

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091718\
 Data File : VX004624.D
 Acq On : 17 Sep 2018 17:45
 Operator : JC/MD
 Sample : VX0917WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0917WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/18/2018 5:51:18 PM

Quant Time: Sep 18 01:18:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	92218	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	106783	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	92958	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	48851	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	49641	41.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.50%	
35) Dibromofluoromethane	5.50	113	45373	46.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.86%	
50) Toluene-d8	8.71	98	161741	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	
62) 4-Bromofluorobenzene	11.14	95	48760	41.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	20546	23.77	ug/l	89
3) Chloromethane	1.32	50	23377	19.65	ug/l	92
4) Vinyl Chloride	1.40	62	25118	20.58	ug/l	97
5) Bromomethane	1.64	94	11557	21.95	ug/l	94
6) Chloroethane	1.72	64	15130	19.17	ug/l	95
7) Trichlorofluoromethane	1.93	101	35037	21.65	ug/l	98
8) Diethyl Ether	2.18	74	12027	16.58	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	23751	23.13	ug/l	96
10) Methyl Iodide	2.51	142	13286	14.16	ug/l	98
11) Tert butyl alcohol	3.07	59	55047	194.01	ug/l	100
12) 1,1-Dichloroethene	2.37	96	20364	21.13	ug/l	97
13) Acrolein	2.29	56	13160	117.50	ug/l	97
14) Allyl chloride	2.73	41	42124	21.26	ug/l	87
15) Acrylonitrile	3.15	53	100199	146.65	ug/l	95
16) Acetone	2.45	43	97772	168.47	ug/l	96
17) Carbon Disulfide	2.57	76	55436	19.90	ug/l	99
18) Methyl Acetate	2.78	43	50105	30.77	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	57322	16.95	ug/l	98
20) Methylene Chloride	2.85	84	19463	16.35	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	19408	18.23	ug/l	97
22) Diisopropyl ether	3.87	45	61240	17.16	ug/l	97
23) Vinyl Acetate	3.82	43	251125	86.98	ug/l	98
24) 1,1-Dichloroethane	3.69	63	38887	19.30	ug/l	99
25) 2-Butanone	4.71	43	139576	151.11	ug/l	91
26) 2,2-Dichloropropane	4.58	77	29243	21.14	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	20182	16.98	ug/l	93
28) Bromochloromethane	5.02	49	14862	16.13	ug/l	94
29) Tetrahydrofuran	5.16	42	86042	154.47	ug/l	97
30) Chloroform	5.21	83	34264	17.42	ug/l	99
31) Cyclohexane	5.57	56	37763	21.96	ug/l	88
32) 1,1,1-Trichloroethane	5.50	97	31412	19.83	ug/l	97
36) 1,1-Dichloropropene	5.81	75	28550	22.02	ug/l	97
37) Ethyl Acetate	4.85	43	40406	27.40	ug/l	100
38) Carbon Tetrachloride	5.78	117	28275	22.33	ug/l	95

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 Misc : 5.0mL/MSVOA X/WATER
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Manual Integrations
 APPROVED

MMDadoda
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Quant Time: Sep 18 01:18:13 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	34507	25.51	ug/l	96
40) Benzene	6.14	78	81336	21.15	ug/l	96
41) Methacrylonitrile	5.06	41	19655	24.19	ug/l	97
42) 1,2-Dichloroethane	6.20	62	23116	18.12	ug/l	98
43) Isopropyl Acetate	6.46	43	41477	21.18	ug/l	99
44) Trichloroethene	7.21	130	21560	21.57	ug/l	96
45) 1,2-Dichloropropane	7.52	63	18171	19.63	ug/l	97
46) Dibromomethane	7.66	93	10413	17.81	ug/l	95
47) Bromodichloromethane	7.90	83	20416	18.46	ug/l	99
48) Methyl methacrylate	7.78	41	20748	21.41	ug/l	96
49) 1,4-Dioxane	7.76	88	21604	941.81	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	169569	122.70	ug/l	97
52) Toluene	8.79	92	44398	19.59	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	19735	15.28	ug/l	97
54) cis-1,3-Dichloropropene	8.44	75	23593	17.92	ug/l	95
55) 1,1,2-Trichloroethane	9.22	97	16818	17.24	ug/l	96
56) Ethyl methacrylate	9.18	69	22625	16.39	ug/l	98
57) 1,3-Dichloropropane	9.37	76	27826	17.55	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	60177	90.34	ug/l	97
59) 2-Hexanone	9.49	43	144470	136.29	ug/l	97
60) Dibromochloromethane	9.59	129	15725	17.12	ug/l	99
61) 1,2-Dibromoethane	9.67	107	17144	18.39	ug/l	99
64) Tetrachloroethene	9.34	164	24140	20.80	ug/l	98
65) Chlorobenzene	10.14	112	46047	19.94	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	15945	20.02	ug/l	98
67) Ethyl Benzene	10.25	91	77831	20.73	ug/l	97
68) m/p-Xylenes	10.36	106	59843	41.38	ug/l	96
69) o-Xylene	10.70	106	28616	20.58	ug/l	98
70) Styrene	10.71	104	42707	18.54	ug/l	97
71) Bromoform	10.86	173	12428	19.01	ug/l #	97
73) Isopropylbenzene	11.02	105	84120	26.15	ug/l	99
74) N-amyl acetate	10.90	43	28390	20.96	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	26497	25.53	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	27394m	27.87	ug/l	
77) Bromobenzene	11.26	156	19386	21.80	ug/l	97
78) n-propylbenzene	11.36	91	94197	25.46	ug/l	100
79) 2-Chlorotoluene	11.42	91	53488	23.84	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	66423	24.56	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	7590	24.62	ug/l	95
82) 4-Chlorotoluene	11.51	91	57256	21.87	ug/l	99
83) tert-Butylbenzene	11.77	119	68688	26.68	ug/l	95
84) 1,2,4-Trimethylbenzene	11.81	105	64651	23.41	ug/l	99
85) sec-Butylbenzene	11.94	105	91794	27.98	ug/l	99
86) p-Isopropyltoluene	12.07	119	75222	25.96	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	34955	21.07	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	33729	19.67	ug/l	98
89) n-Butylbenzene	12.39	91	62908	23.82	ug/l	97
90) Hexachloroethane	12.60	117	11677	25.17	ug/l	95
91) 1,2-Dichlorobenzene	12.40	146	36387	21.67	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	7529	33.98	ug/l	99

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Instrument :
MSVOA_X
ClientSampleId :
VX0917WBSD01

Manual Integrations
APPROVED

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9/18/2018 5:51:18 PM

Quant Time: Sep 18 01:18:13 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)
93) 1,2,4-Trichlorobenzene	13.65	180	19938	16.77	ug/l	98
94) Hexachlorobutadiene	13.79	225	19022	30.63	ug/l	99
95) Naphthalene	13.83	128	72120	21.62	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	22167	18.15	ug/l	99

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

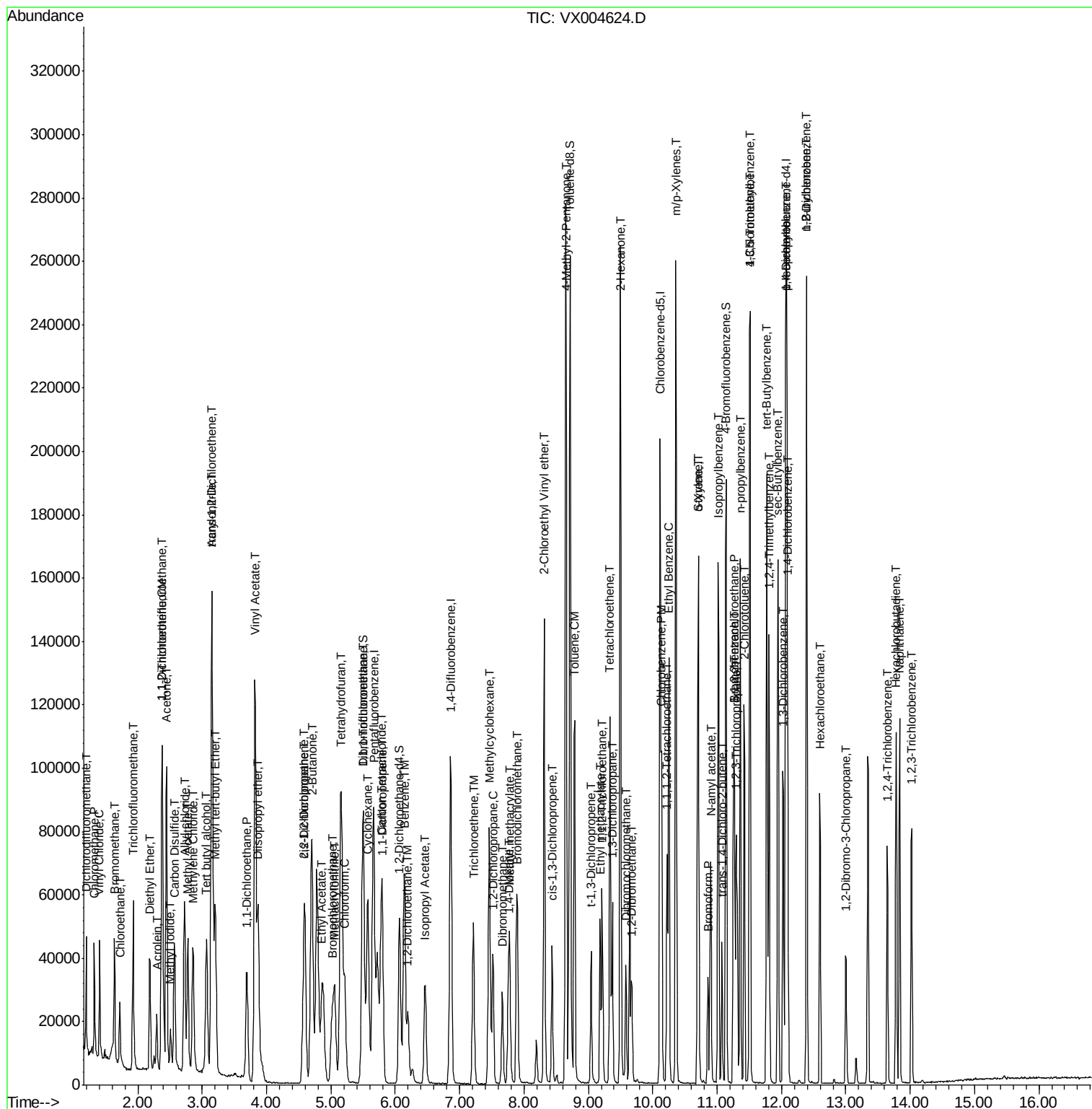
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Data File : VX004624.D
Acq On : 17 Sep 2018 17:45
Operator : JC/MD
Sample : VX0917WBSD01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 5 Sample Multiplier: 1

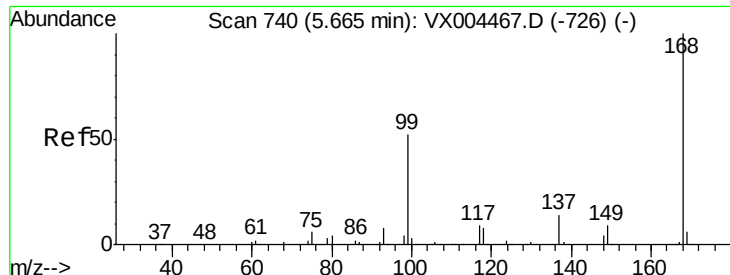
Instrument :
MSVOA_X
ClientSampleId :
VX0917WBSD01

Manual Integrations APPROVED

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9/18/2018 5:51:18 PM

Quant Time: Sep 18 01:18:13 2018
Quant Method : Z:\VQASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 12 02:17:23 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX004624.D

Acq: 17 Sep 2018 17:45

Instrument :

MSVOA_X

ClientSampled :

VX0917WBSD01

Tot Ion:168 Resp: 92218

Ion Ratio Lower Upper

168 100

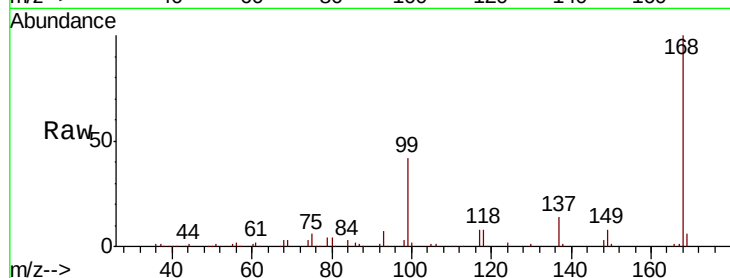
99 42.1 39.9 59.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

40000

30000

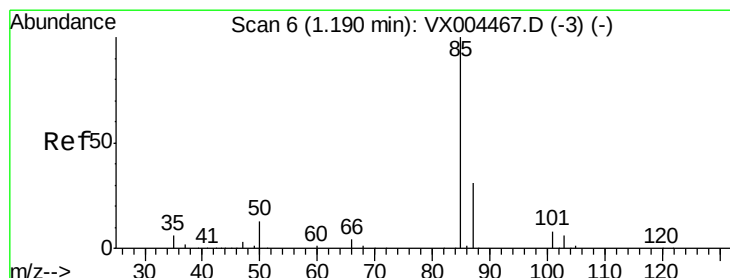
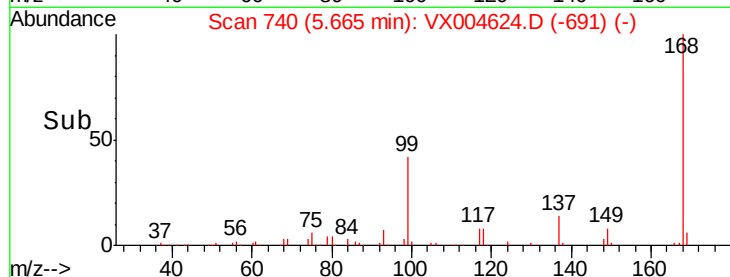
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 23.77 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.01 min

Lab File: VX004624.D

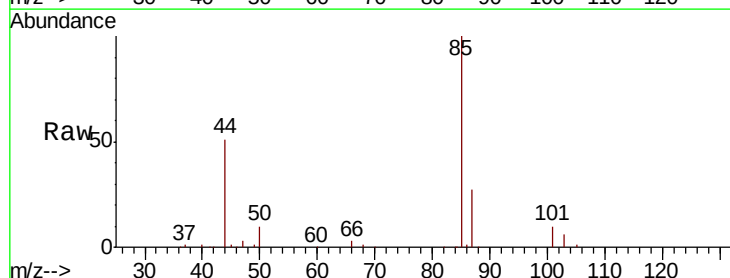
Acq: 17 Sep 2018 17:45

Tgt Ion: 85 Resp: 20546

Ion Ratio Lower Upper

85 100

87 27.5 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

25000

20000

15000

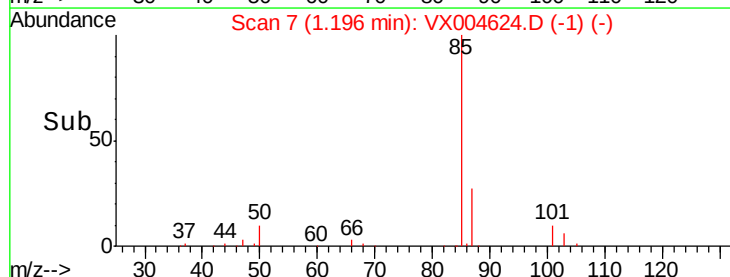
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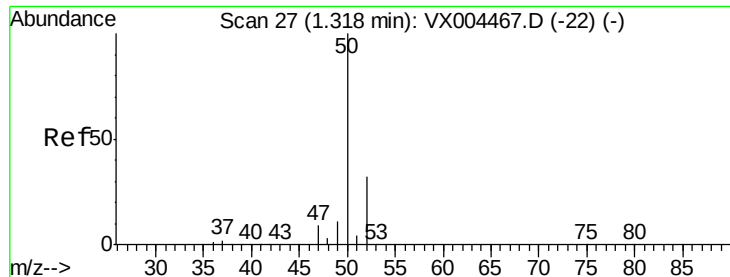
5000

0

Time-->

1.15 1.20 1.25





#3

Chloromethane

Concen: 19.65 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004624.D

Acq: 17 Sep 2018 17:45

Instrument :

MSVOA_X

ClientSampleId :

VX0917WBSD01

Tot Ion: 50 Resp: 23377

Ion Ratio Lower Upper

50 100

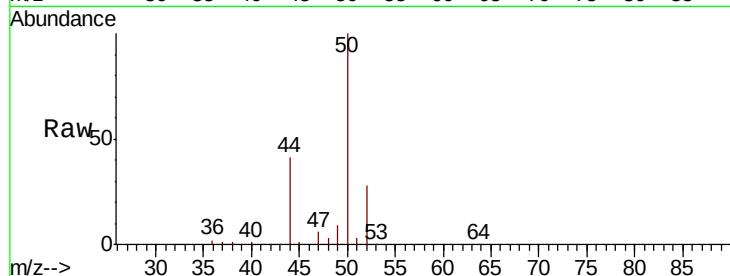
52 28.1 26.2 39.2

Manual Integrations

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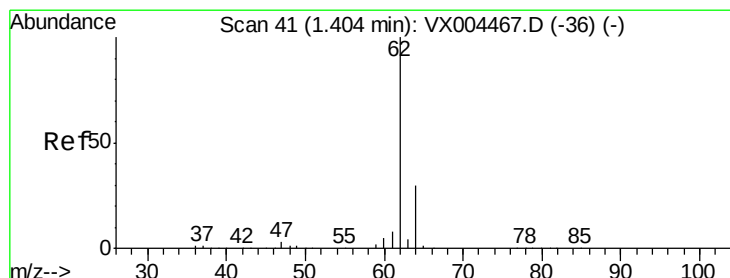
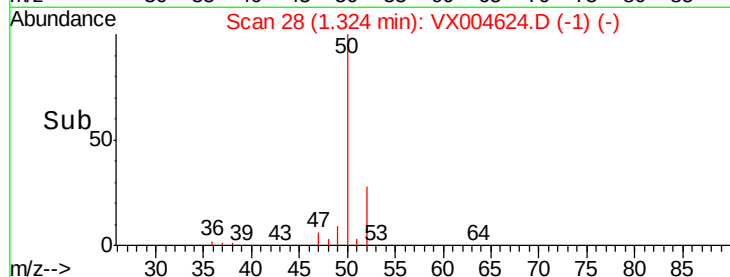
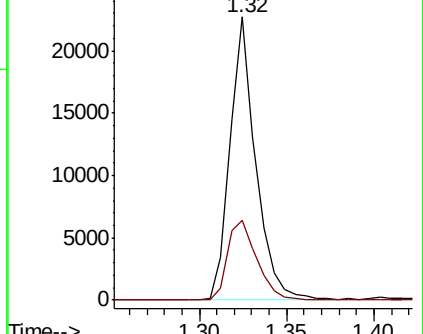
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 20.58 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004624.D

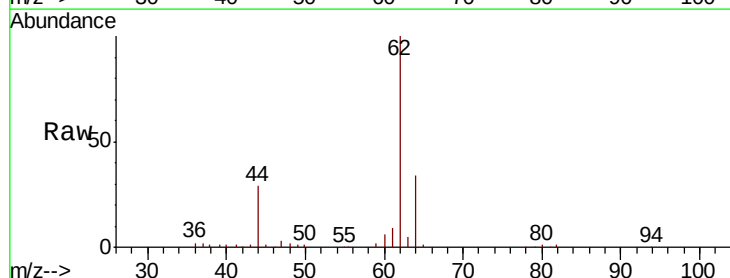
Acq: 17 Sep 2018 17:45

Tgt Ion: 62 Resp: 25118

Ion Ratio Lower Upper

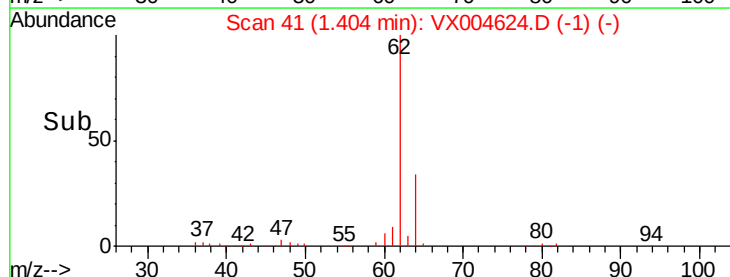
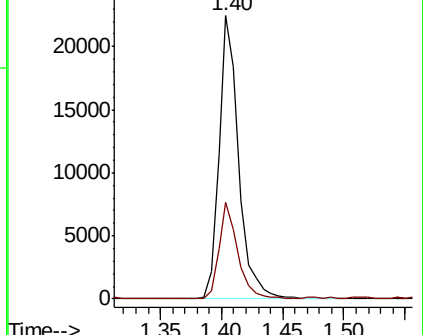
62 100

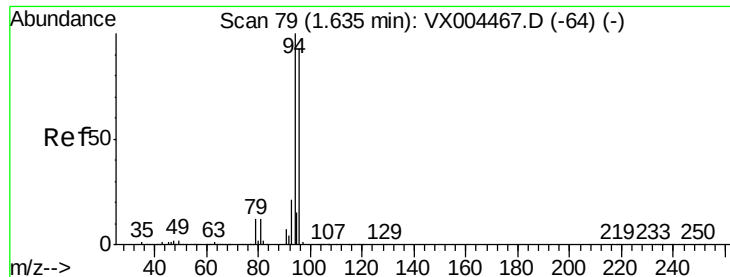
64 34.2 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 21.95 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004624.D

Acq: 17 Sep 2018 17:45

Tot Ion: 94 Resp: 11557

Ion Ratio Lower Upper

94 100

96 99.2 74.5 111.7

Instrument :

MSVOA_X

ClientSampled :

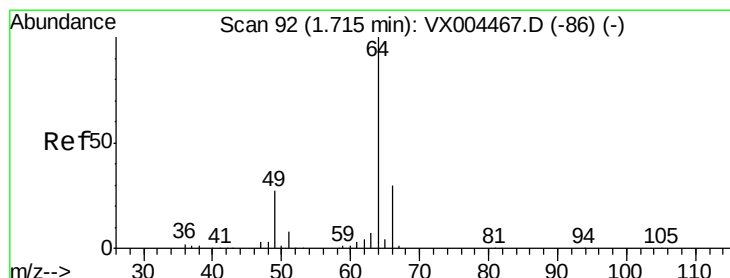
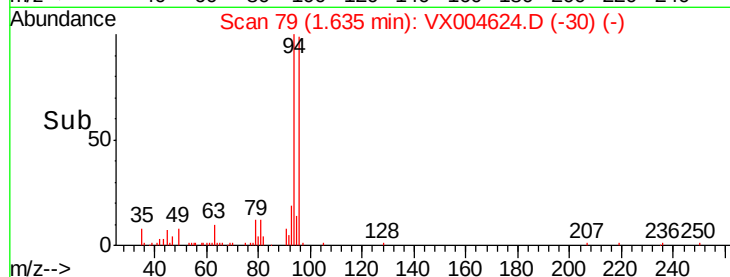
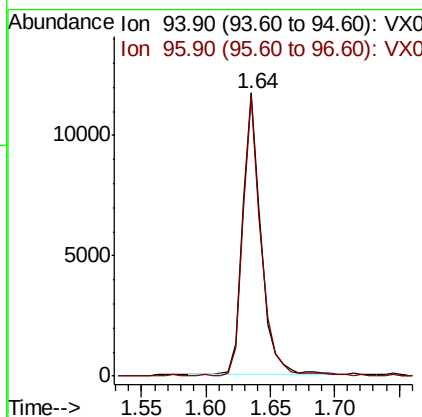
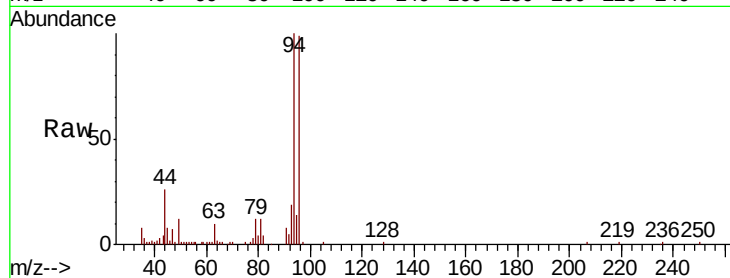
VX0917WBSD01

Manual Integrations

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#6

Chloroethane

Concen: 19.17 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX004624.D

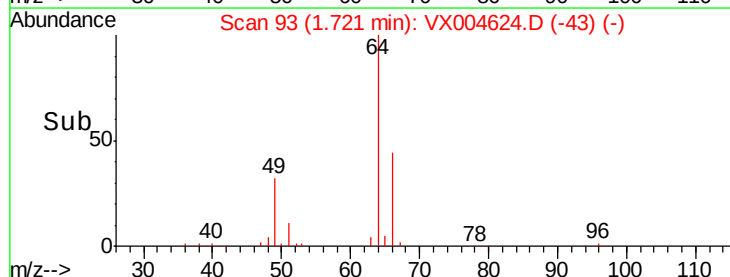
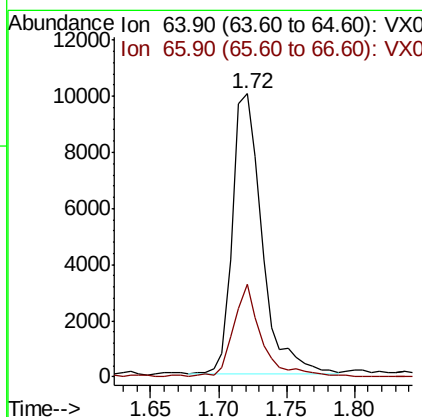
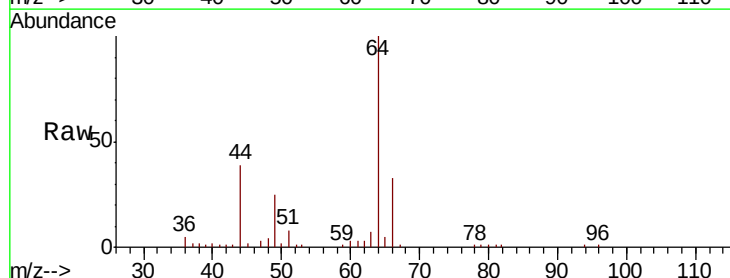
Acq: 17 Sep 2018 17:45

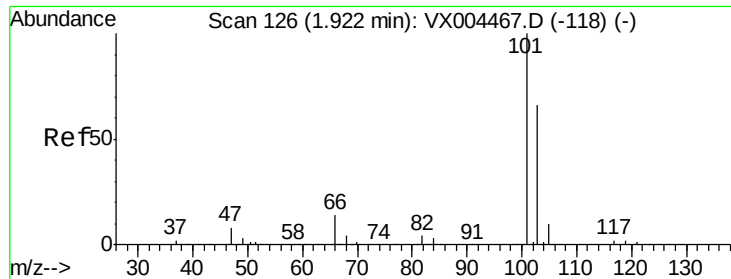
Tgt Ion: 64 Resp: 15130

Ion Ratio Lower Upper

64 100

66 33.2 24.6 36.8





#7

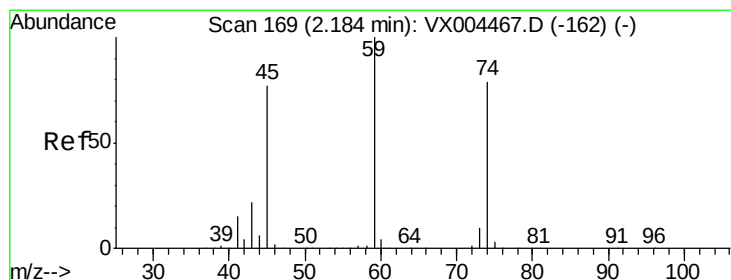
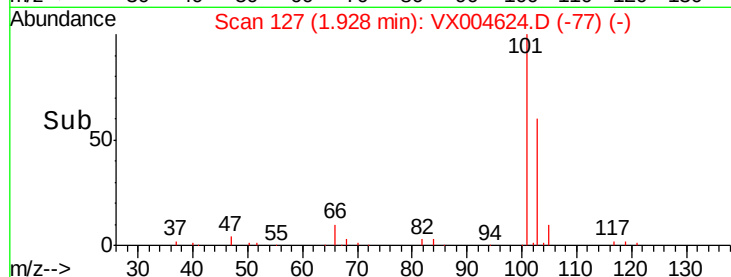
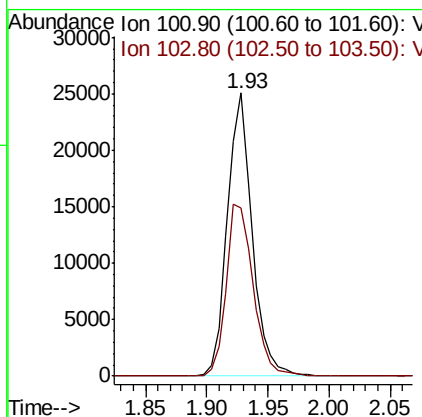
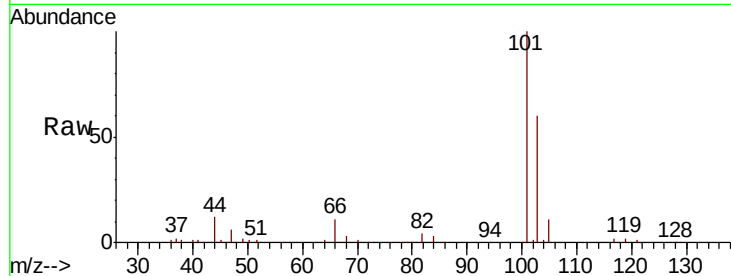
Trichlorofluoromethane
 Concen: 21.65 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX004624.D
 Acq: 17 Sep 2018 17:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0917WBSD01

Tot Ion:101 Resp: 35037
 Ion Ratio Lower Upper
 101 100
 103 59.6 48.9 73.3

Manual Integrations
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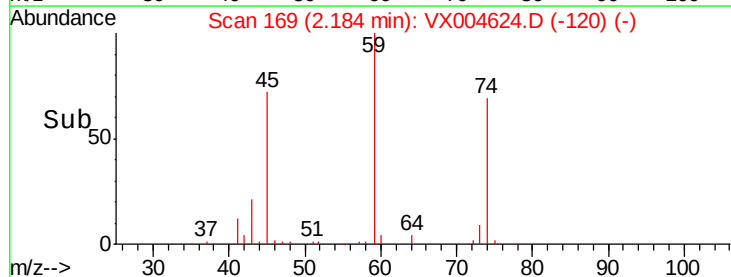
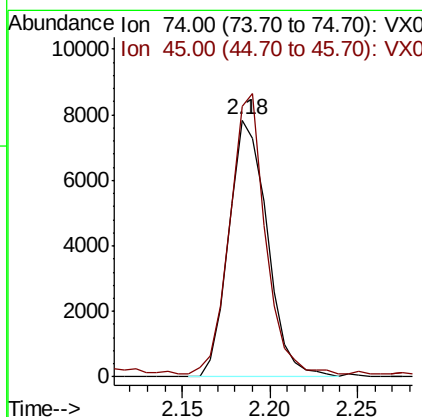
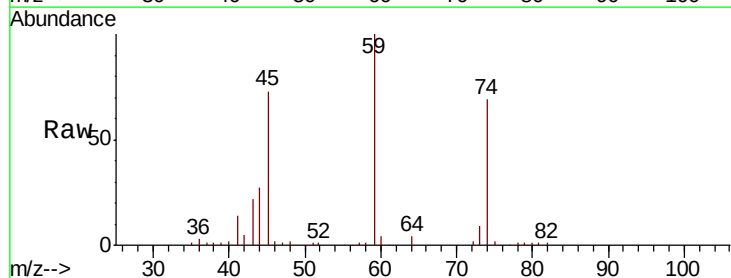
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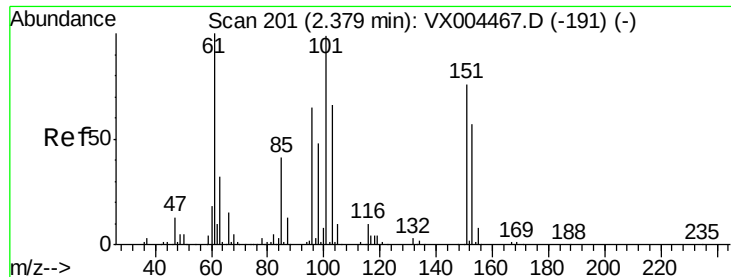


#8

Diethyl Ether
 Concen: 16.58 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. -0.00 min
 Lab File: VX004624.D
 Acq: 17 Sep 2018 17:45

Tgt Ion: 74 Resp: 12027
 Ion Ratio Lower Upper
 74 100
 45 100.2 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.13 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX004624.D

Acq: 17 Sep 2018 17:45

Instrument :

MSVOA_X

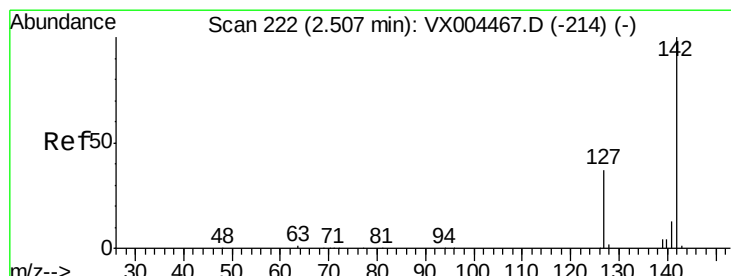
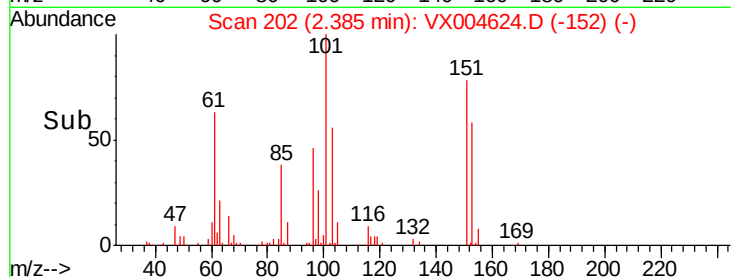
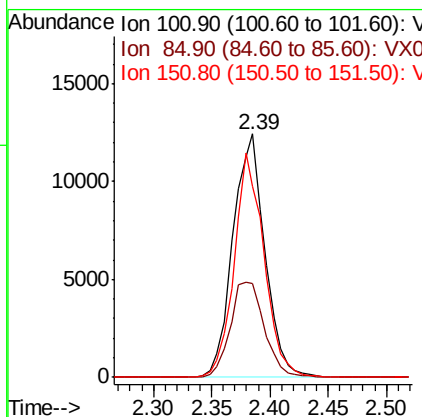
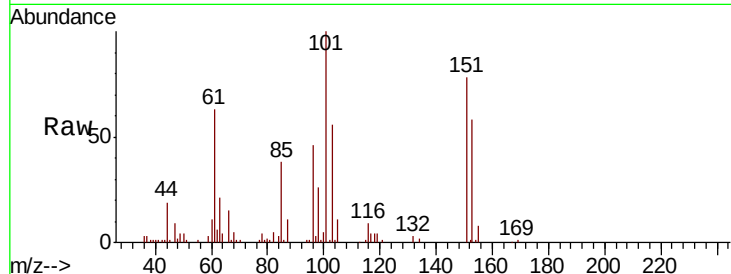
ClientSampleId :

VX0917WBSD01

Tot Ion:	101	Resp:	23751
Ion Ratio	Lower	Upper	
101	100		
85	41.7	34.2	51.4
151	86.0	65.0	97.6

Manual Integrations
APPROVED

MMDadoda
9/18/2018 5:51:18 PM



#10

Methyl Iodide

Concen: 14.16 ug/l

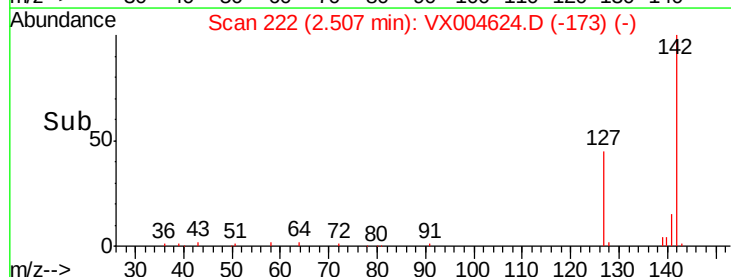
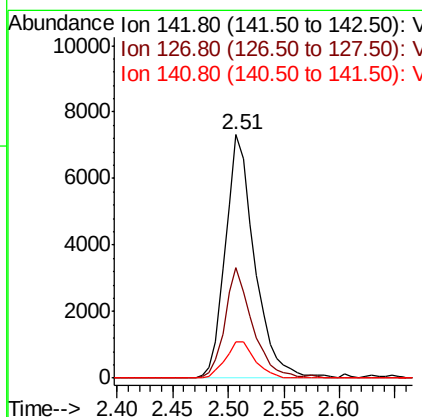
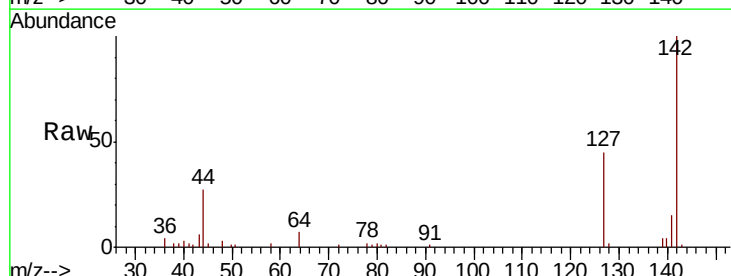
RT: 2.51 min Scan# 222

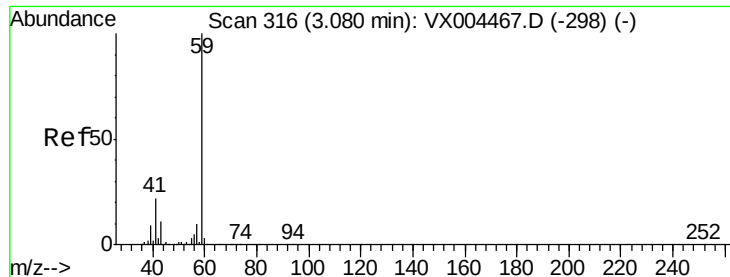
Delta R.T. 0.00 min

Lab File: VX004624.D

Acq: 17 Sep 2018 17:45

Tgt Ion:	142	Resp:	13286
Ion Ratio	Lower	Upper	
142	100		
127	43.0	33.8	50.6
141	15.2	11.4	17.0





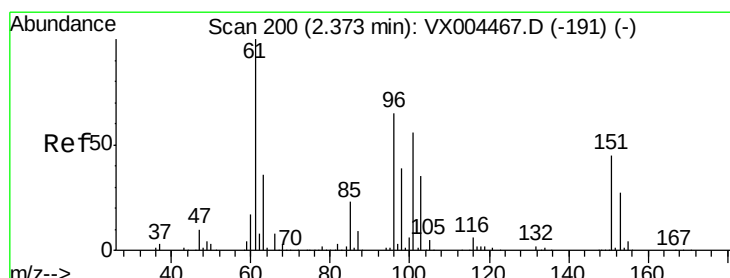
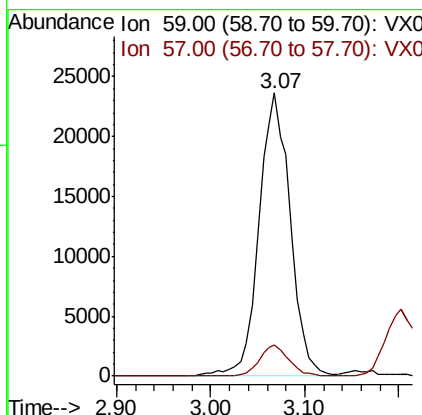
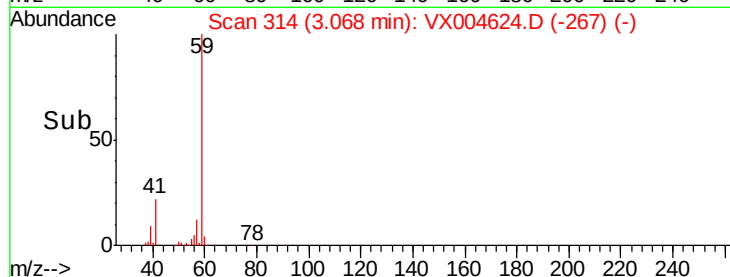
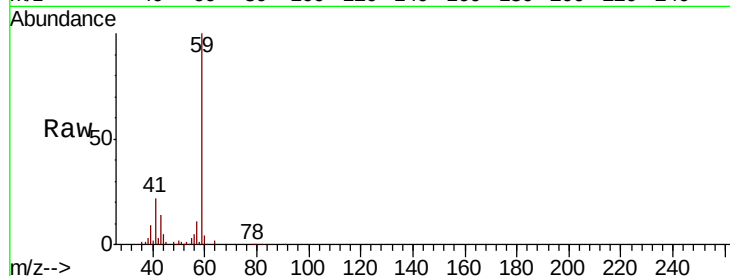
#11
Tert butyl alcohol
Concen: 194.01 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX004624.D
Acq: 17 Sep 2018 17:45

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.4

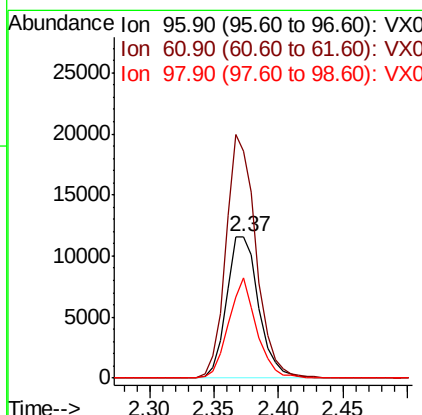
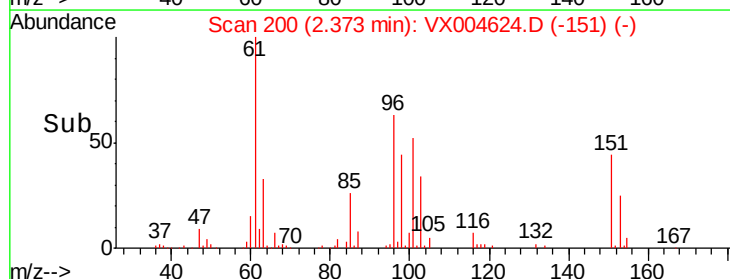
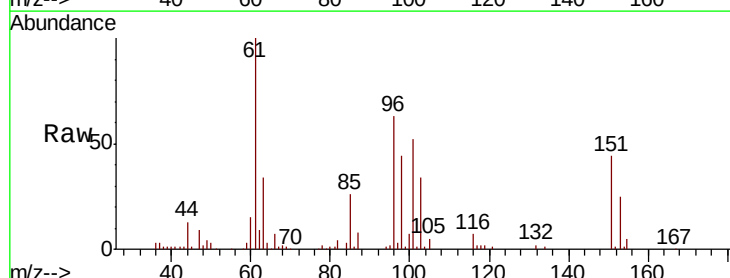
Manual Integrations
APPROVED

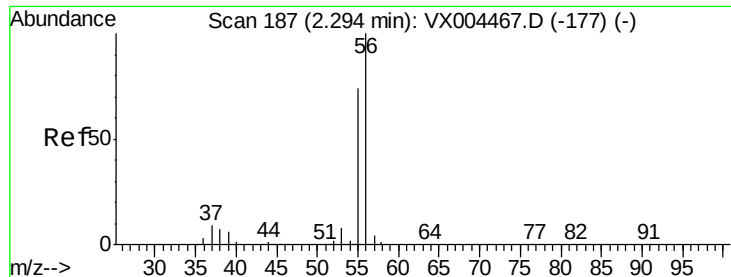
MMDadoda
9/18/2018 5:51:18 PM



#12
1,1-Dichloroethene
Concen: 21.13 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX004624.D
Acq: 17 Sep 2018 17:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.9	128.8	193.2
98	70.7	52.2	78.2





#13

Acrolein

Concen: 117.50 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX004624.D

Acq: 17 Sep 2018 17:45

Instrument :

MSVOA_X

ClientSampleId :

VX0917WBSD01

Tot Ion: 56 Resp: 13160

Ion Ratio Lower Upper

56 100

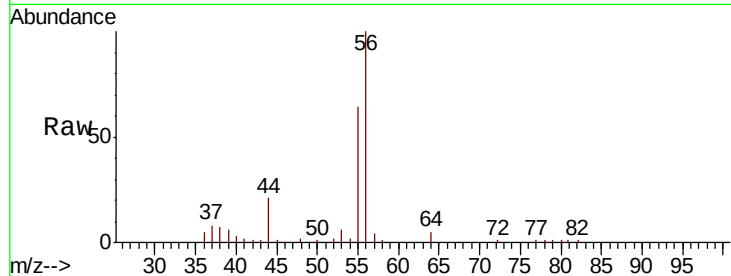
55 70.9 54.7 82.1

Manual Integrations

APPROVED

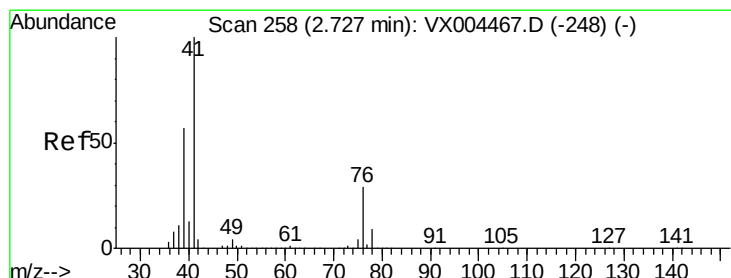
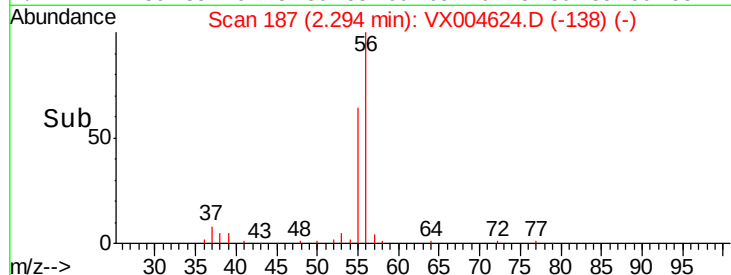
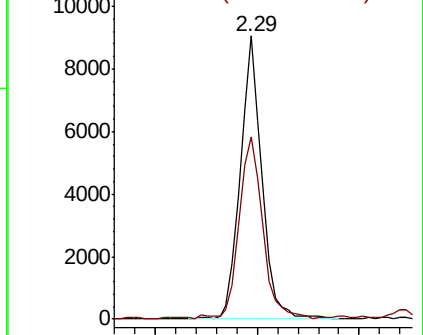
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 21.26 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX004624.D

Acq: 17 Sep 2018 17:45

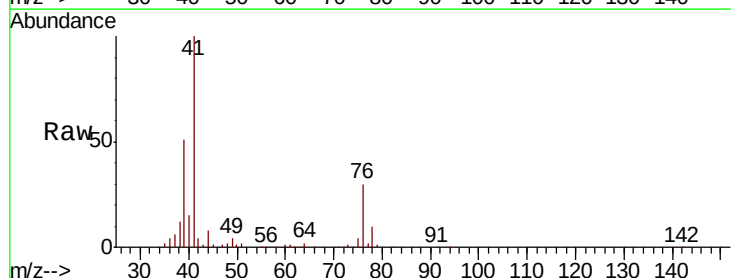
Tgt Ion: 41 Resp: 42124

Ion Ratio Lower Upper

41 100

39 50.4 48.9 73.3

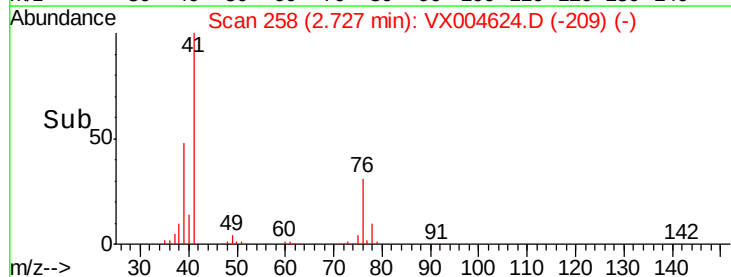
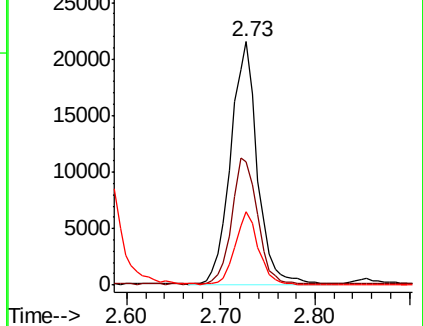
76 26.9 26.7 40.1

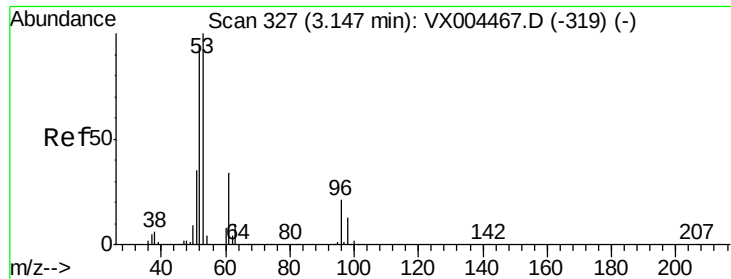


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 146.65 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX004624.D

Acq: 17 Sep 2018 17:45

Instrument :

MSVOA_X

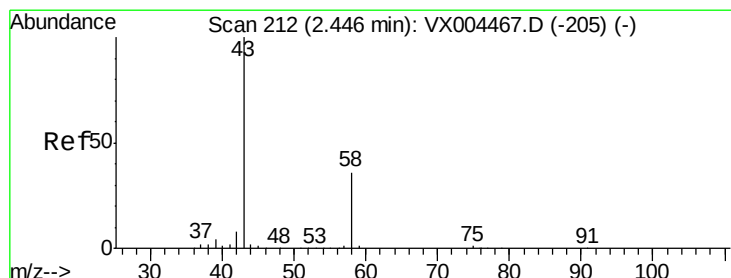
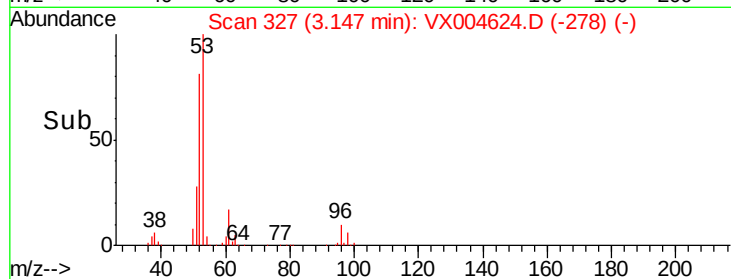
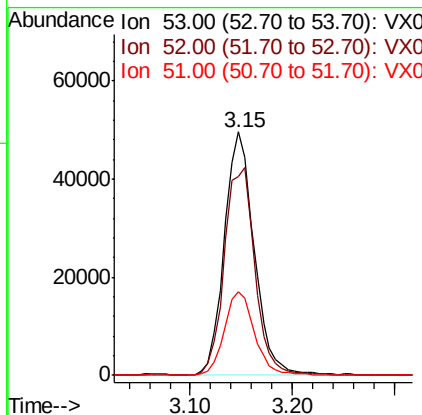
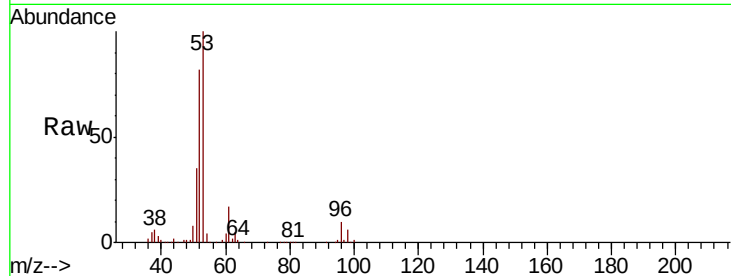
ClientSampleId :

VX0917WBSD01

Tot Ion:	53	Resp:	100199
Ion Ratio		Lower	Upper
53	100		
52	87.4	65.2	97.8
51	34.5	28.2	42.2

Manual Integrations
APPROVED

MMDadoda
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#16

Acetone

Concen: 168.47 ug/l

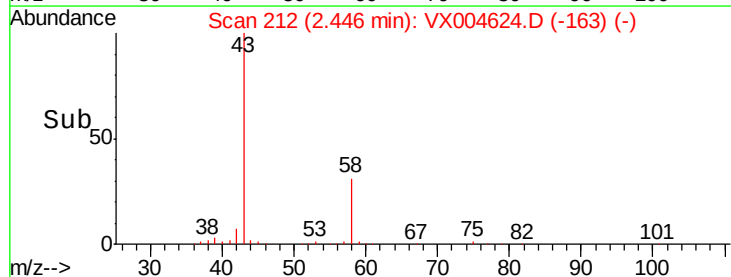
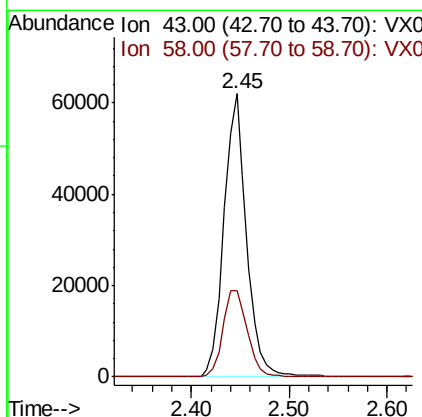
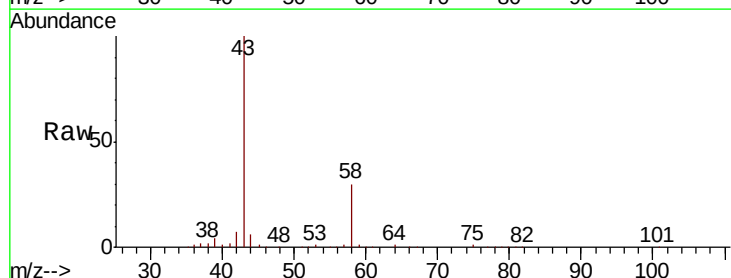
RT: 2.45 min Scan# 212

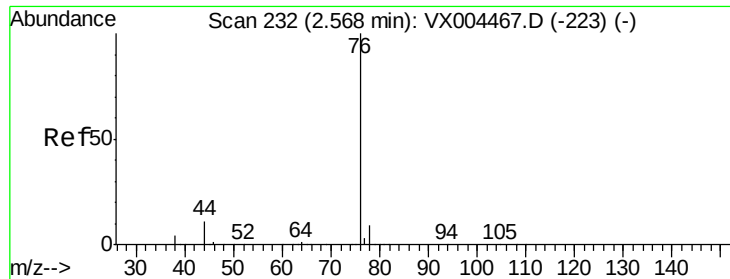
Delta R.T. -0.00 min

Lab File: VX004624.D

Acq: 17 Sep 2018 17:45

Tgt Ion:	43	Resp:	97772
Ion Ratio		Lower	Upper
43	100		
58	30.5	26.2	39.4





#17

Carbon Disulfide

Concen: 19.90 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX004624.D

Acq: 17 Sep 2018 17:45

Instrument :

MSVOA_X

ClientSampled :

VX0917WBSD01

Tot Ion: 76 Resp: 55436

Ion Ratio Lower Upper

76 100

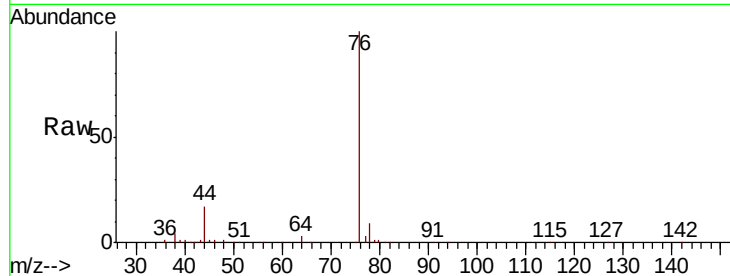
78 9.0 7.0 10.6

Manual Integrations

APPROVED

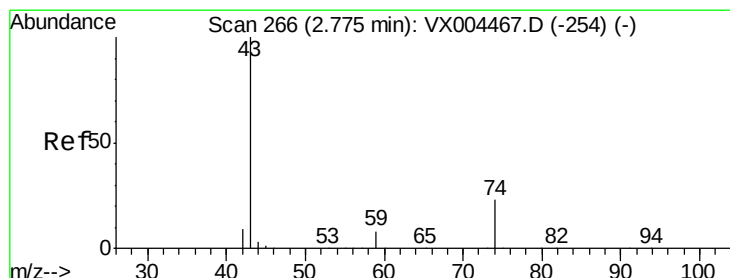
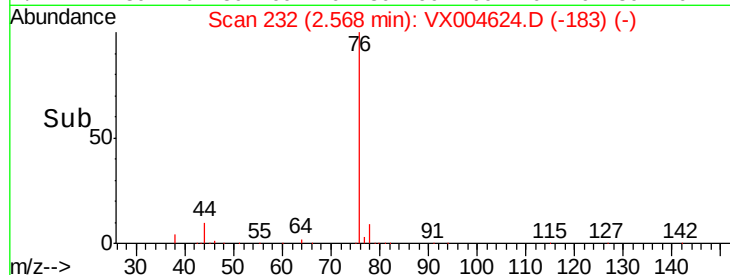
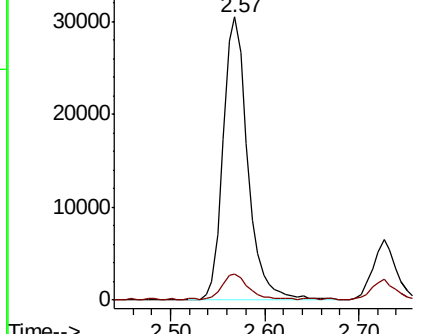
MMDadoda

9/18/2018 5:51:18 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 30.77 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX004624.D

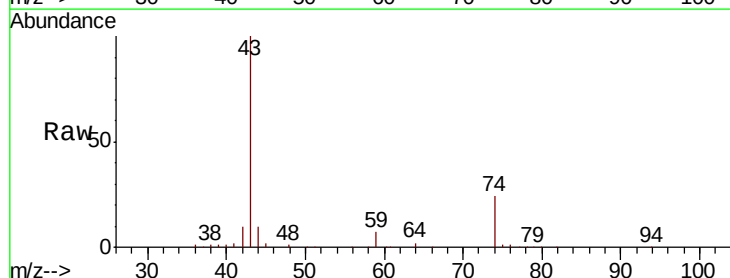
Acq: 17 Sep 2018 17:45

Tgt Ion: 43 Resp: 50105

Ion Ratio Lower Upper

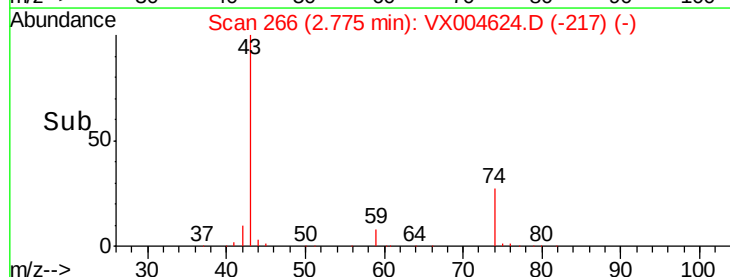
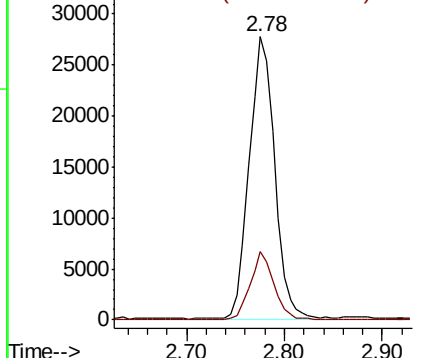
43 100

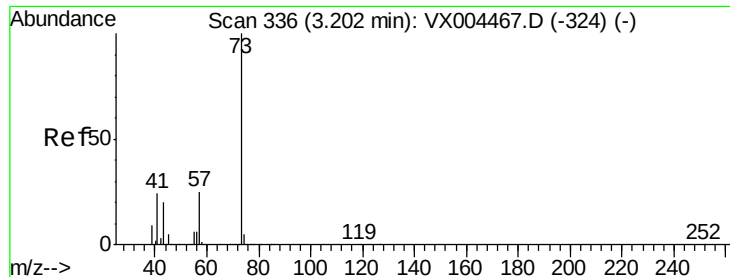
74 22.7 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





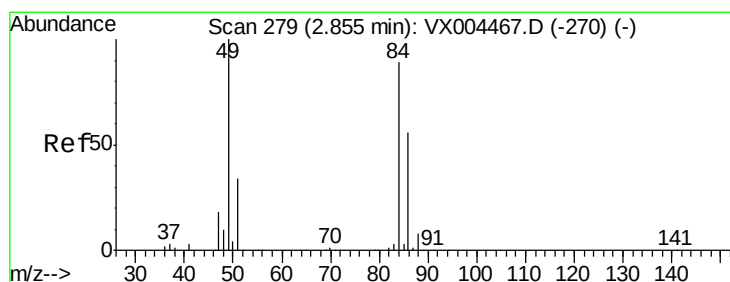
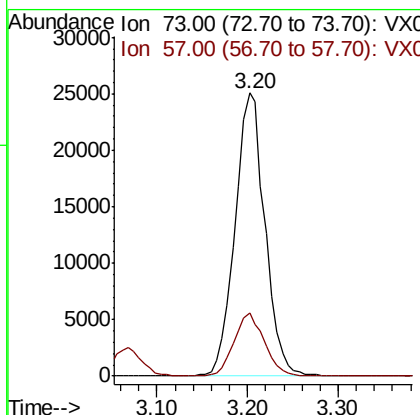
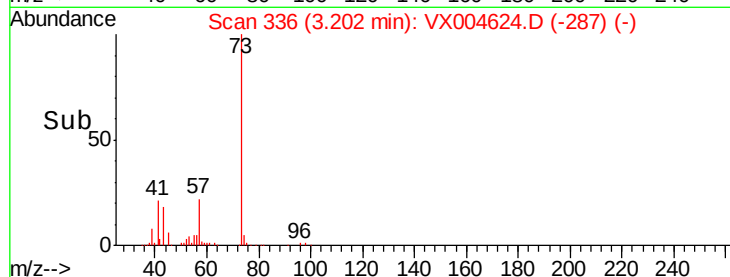
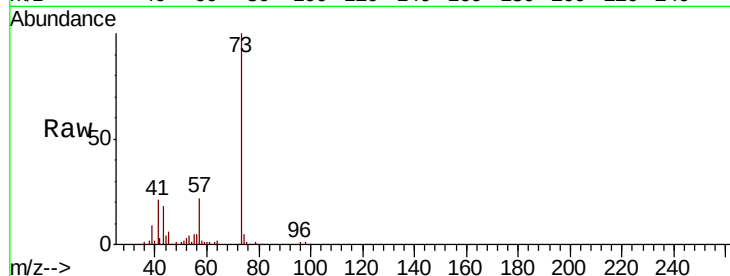
#19
Methyl tert-butyl Ether
Concen: 16.95 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX004624.D
Acq: 17 Sep 2018 17:45

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
73	73	100		
57	57	22.2	17.1	25.7

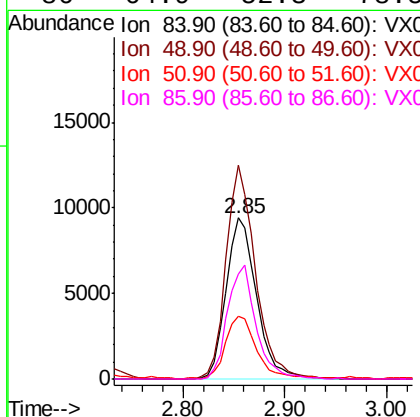
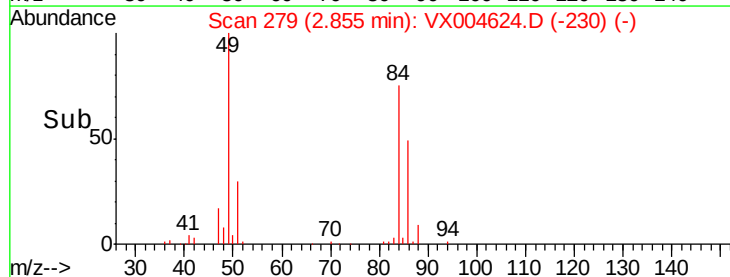
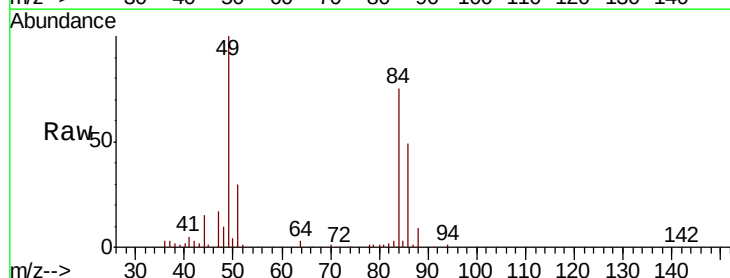
Manual Integrations
APPROVED

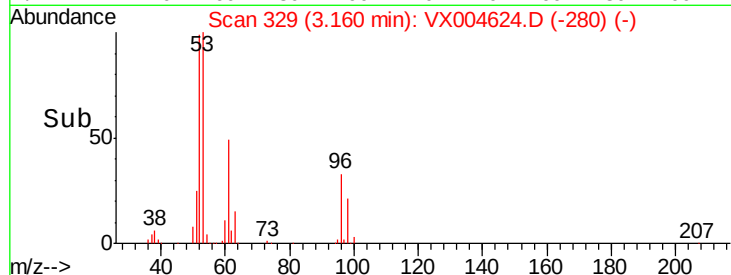
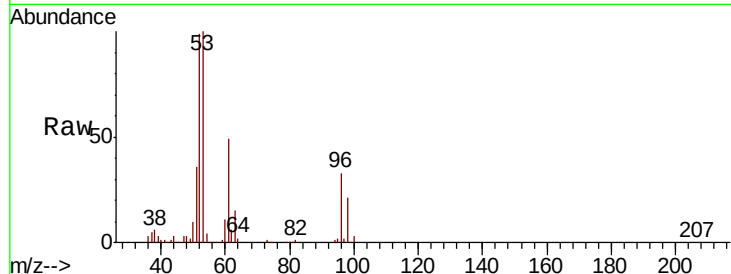
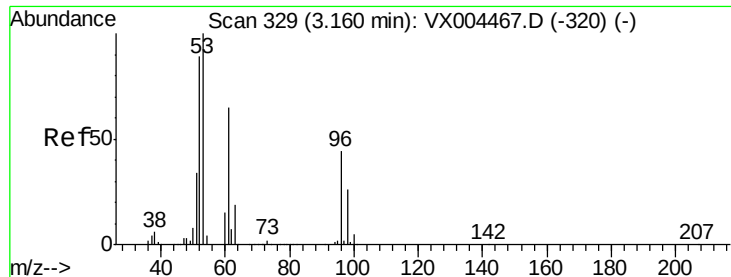
MMDadoda
9/18/2018 5:51:18 PM



#20
Methylene Chloride
Concen: 16.35 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX004624.D
Acq: 17 Sep 2018 17:45

Tgt Ion	Ion	Ratio	Lower	Upper
84	84	100		
49	49	132.5	101.2	151.8
51	51	38.6	29.5	44.3
86	86	64.9	52.3	78.5





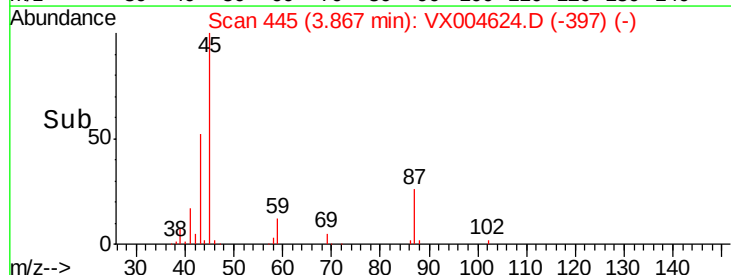
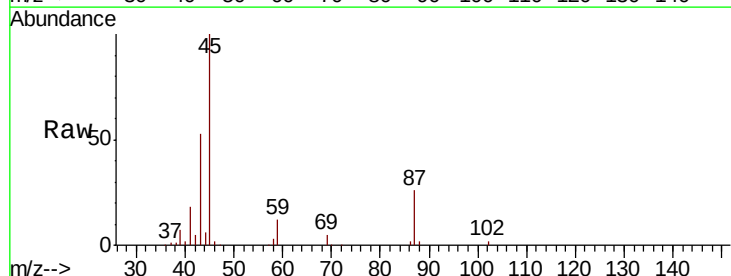
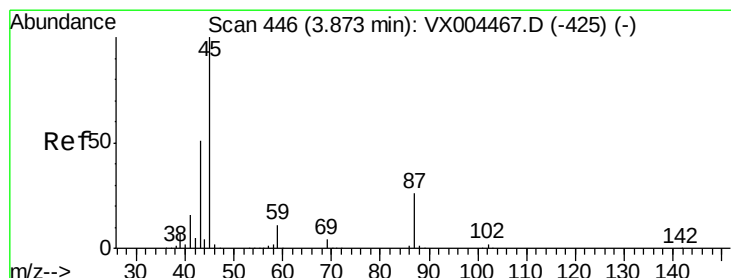
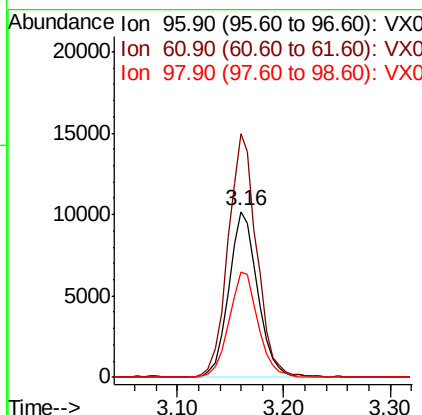
#21
trans-1,2-Dichloroethene
Concen: 18.23 ug/l
RT: 3.16 min Scan# 329
Delta R.T. -0.00 min
Lab File: VX004624.D
Acq: 17 Sep 2018 17:45

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.7	113.8	170.6
98	63.1	51.8	77.8

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBSD01

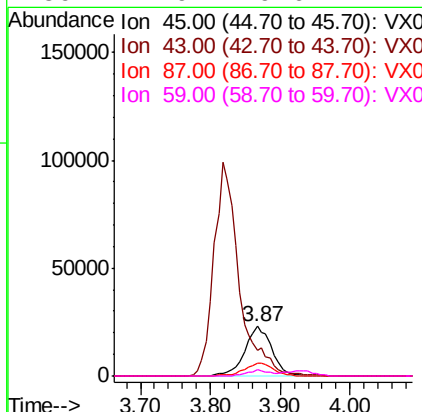
Manual Integrations
APPROVED

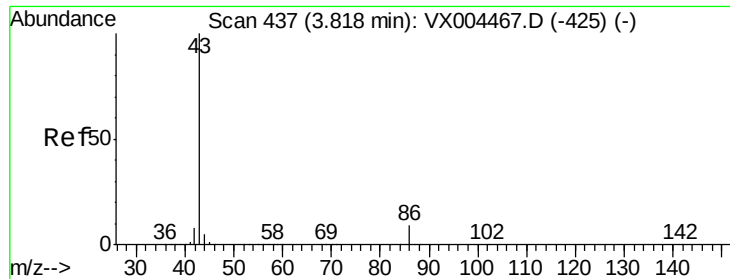
MMDadoda
9/18/2018 5:51:18 PM



#22
Diisopropyl ether
Concen: 17.16 ug/l
RT: 3.87 min Scan# 445
Delta R.T. -0.01 min
Lab File: VX004624.D
Acq: 17 Sep 2018 17:45

Tgt Ion	Ratio	Lower	Upper
45	100		
43	52.0	42.8	64.2
87	25.8	22.6	34.0
59	11.9	9.6	14.4





#23

Vinyl Acetate

Concen: 86.98 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX004624.D

Acq: 17 Sep 2018 17:45

Tot Ion: 43 Resp: 251125

Ion Ratio Lower Upper

43 100

86 10.4 8.9 13.3

Instrument :

MSVOA_X

ClientSampleId :

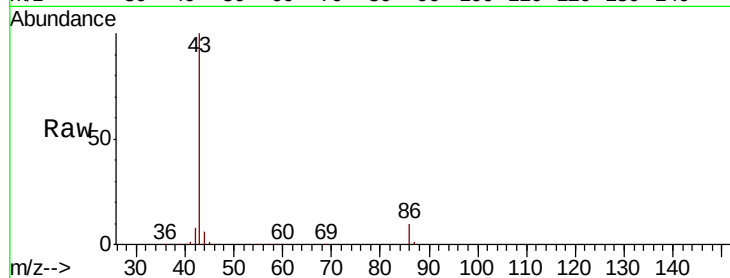
VX0917WBSD01

Manual Integrations

APPROVED

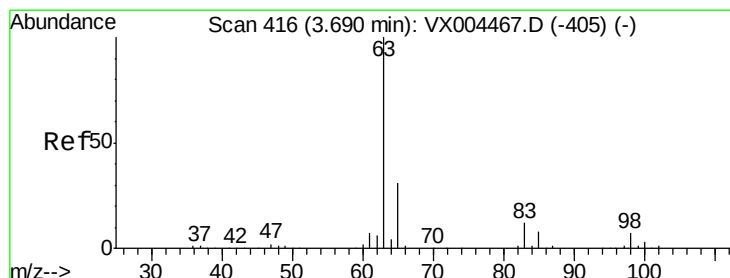
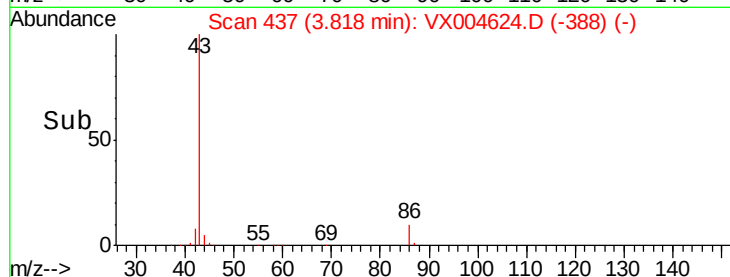
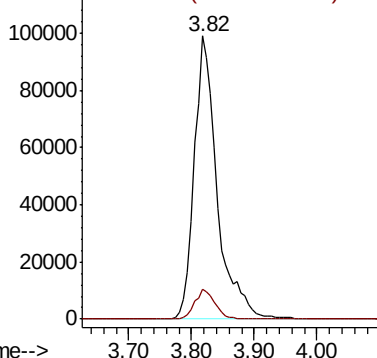
MMDadoda

9/18/2018 5:51:18 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 19.30 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.00 min

Lab File: VX004624.D

Acq: 17 Sep 2018 17:45

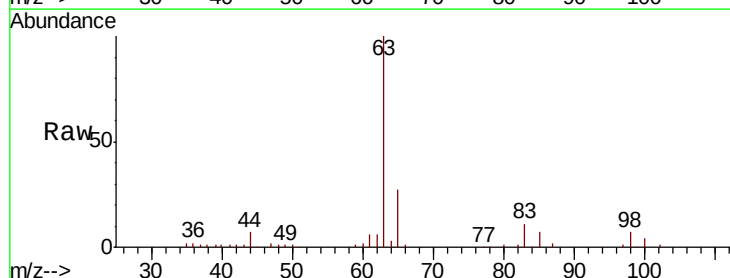
Tgt Ion: 63 Resp: 38887

Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.4

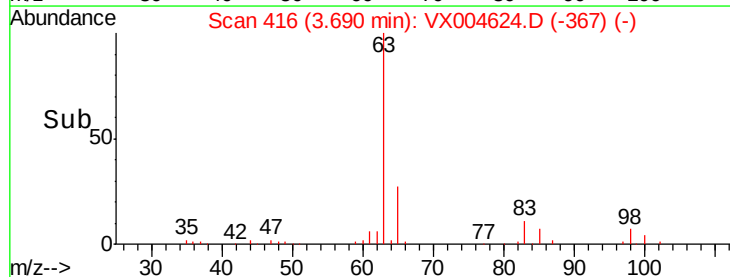
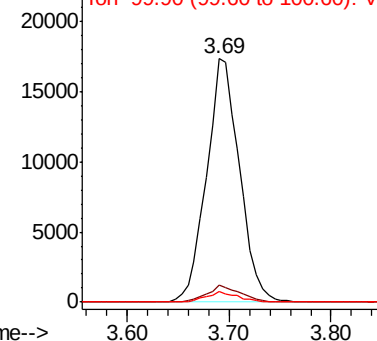
100 4.2 2.4 7.1

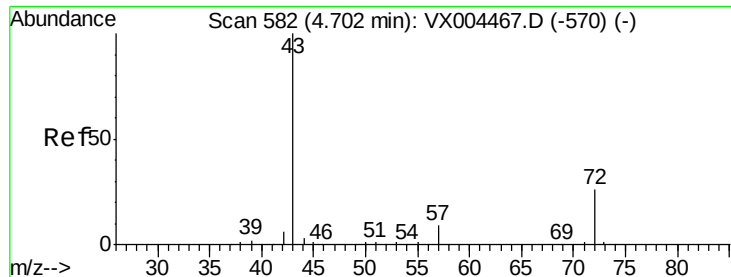


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 151.11 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX004624.D

Acq: 17 Sep 2018 17:45

Instrument :

MSVOA_X

ClientSampleId :

VX0917WBSD01

Tot Ion: 43 Resp: 139576

Ion Ratio Lower Upper

43 100

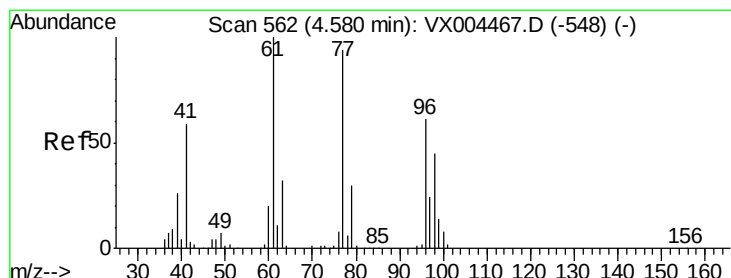
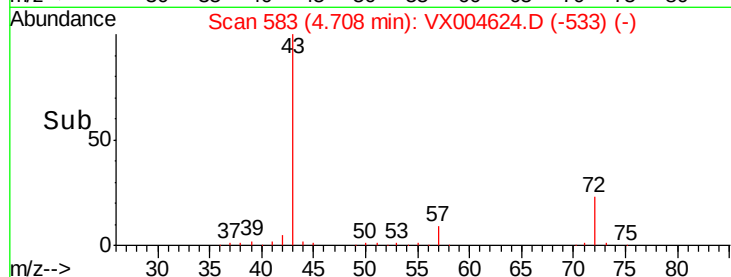
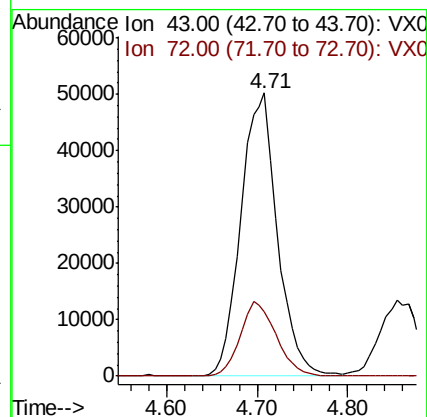
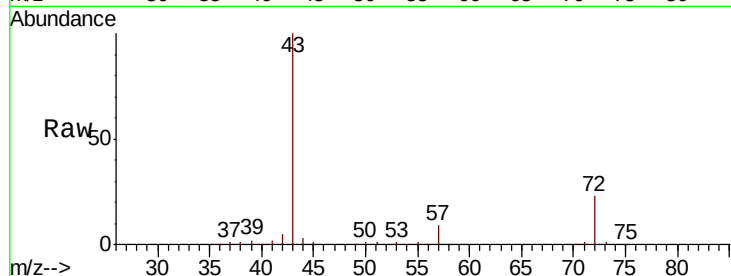
72 22.7 22.0 33.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 21.14 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX004624.D

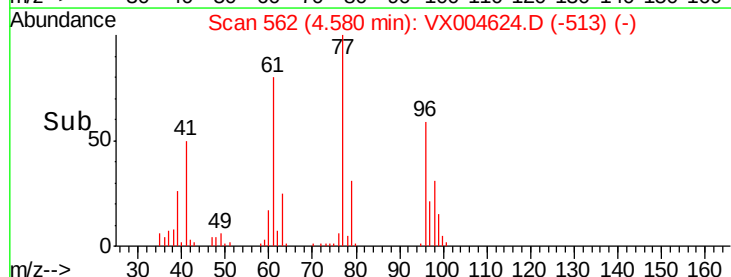
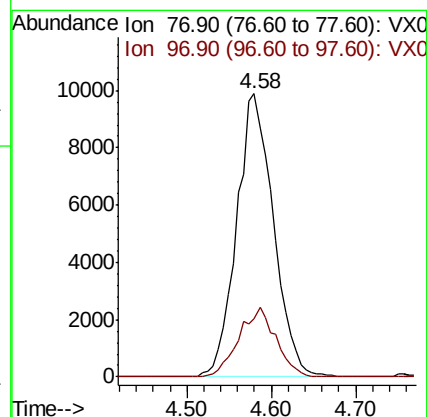
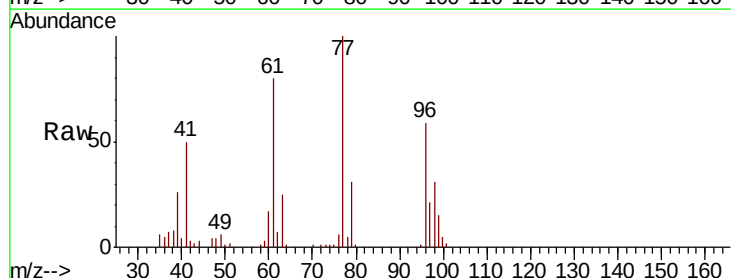
Acq: 17 Sep 2018 17:45

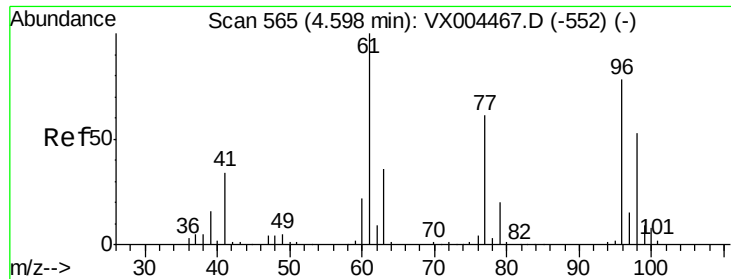
Tgt Ion: 77 Resp: 29243

Ion Ratio Lower Upper

77 100

97 24.5 11.7 35.0





#27

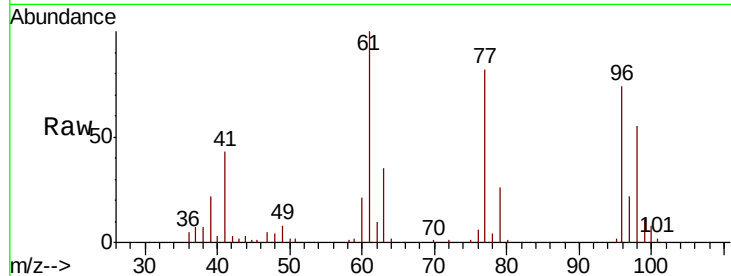
cis-1,2-Dichloroethene
Concen: 16.98 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX004624.D
Acq: 17 Sep 2018 17:45

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	20182		
61	152.6		0.0	282.6
98	66.0		0.0	130.2

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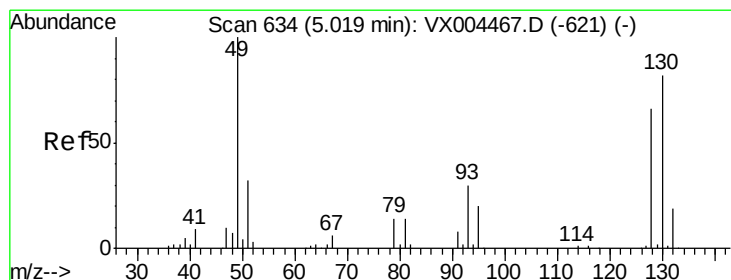
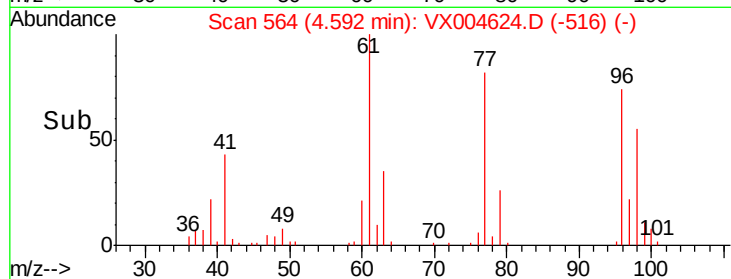
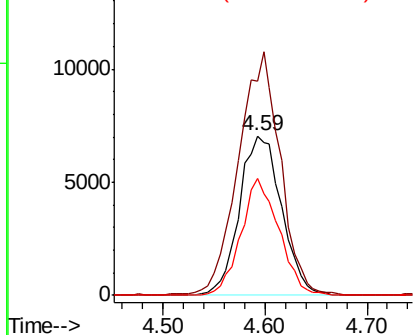


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

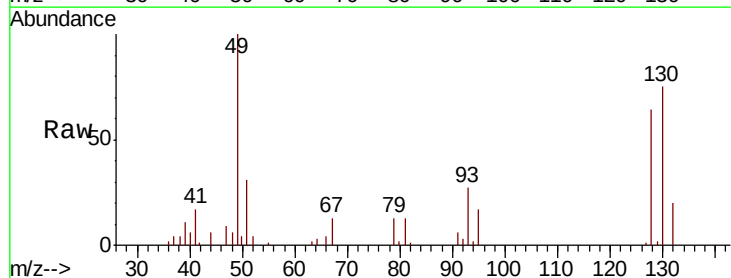
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
Concen: 16.13 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX004624.D
Acq: 17 Sep 2018 17:45

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	14862		
129	2.0		0.0	4.2
130	79.1		67.5	101.3

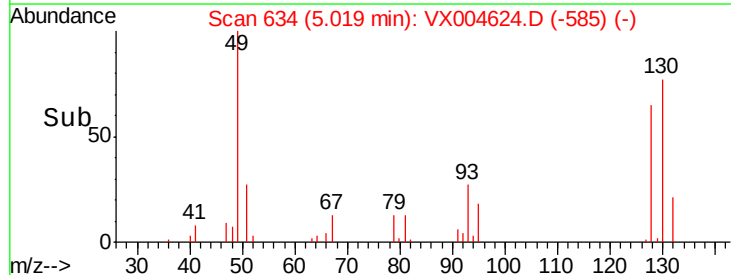
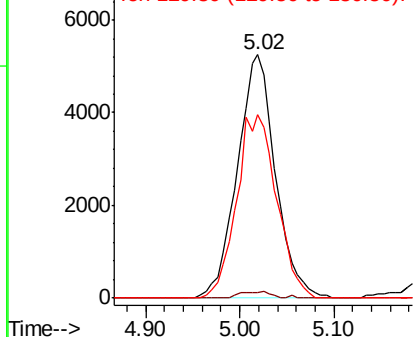


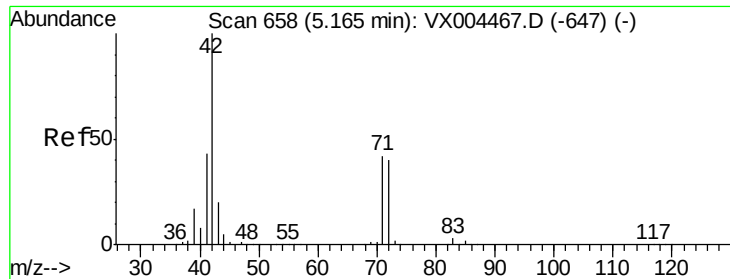
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





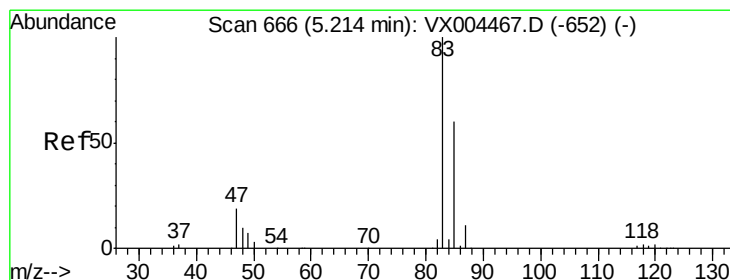
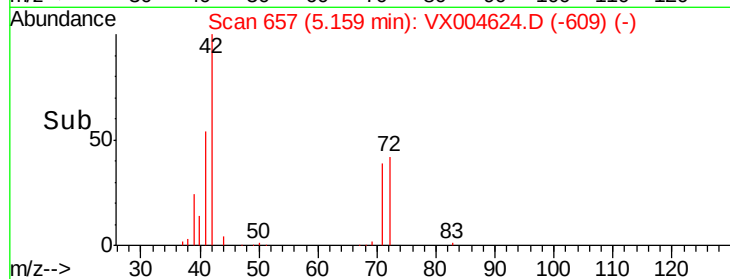
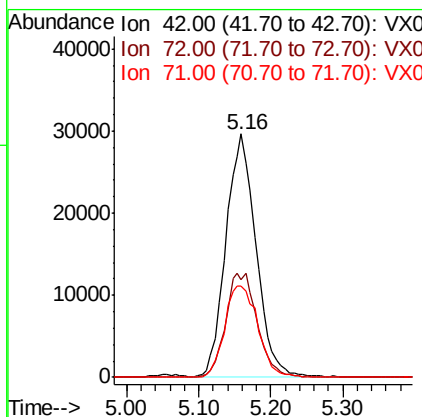
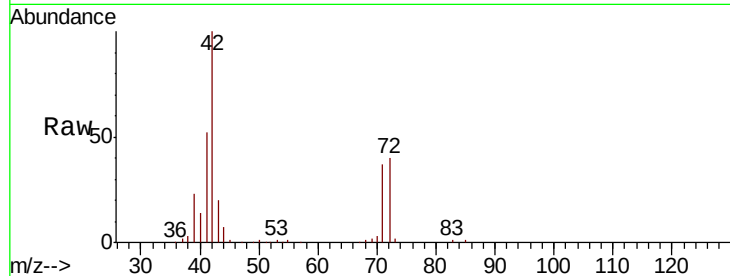
#29
Tetrahydrofuran
Concen: 154.47 ug/l
RT: 5.16 min Scan# 657
Delta R.T. -0.01 min
Lab File: VX004624.D
Acq: 17 Sep 2018 17:45

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.6	37.4	56.0
71	41.6	34.5	51.7

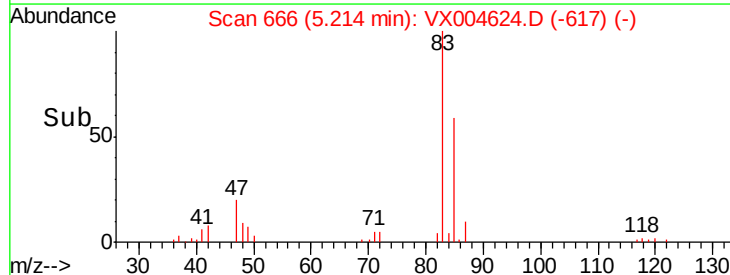
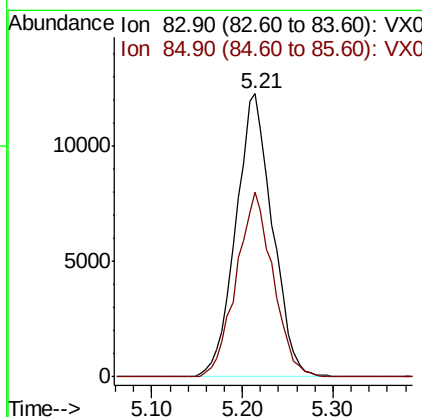
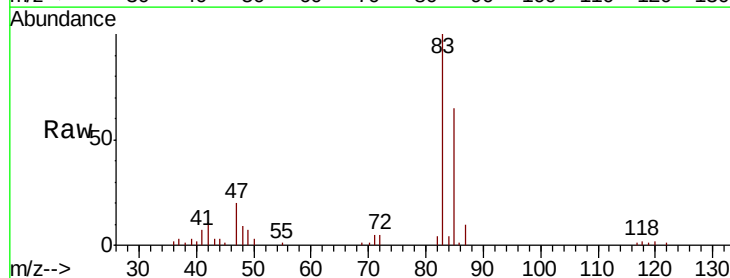
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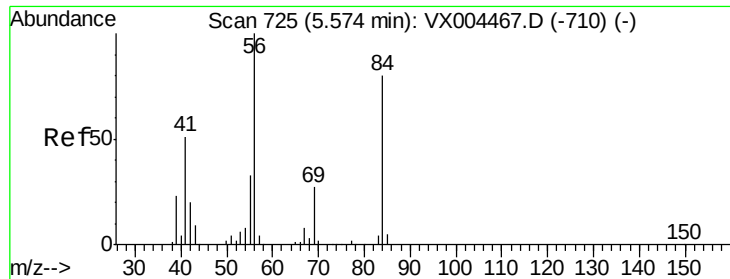
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#30
Chloroform
Concen: 17.42 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX004624.D
Acq: 17 Sep 2018 17:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.6	79.0





#31

Cyclohexane

Concen: 21.96 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX004624.D

Acq: 17 Sep 2018 17:45

Instrument :

MSVOA_X

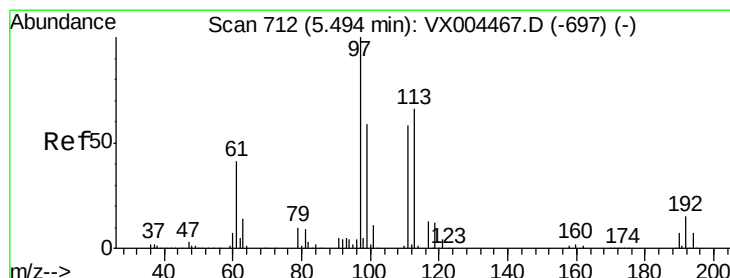
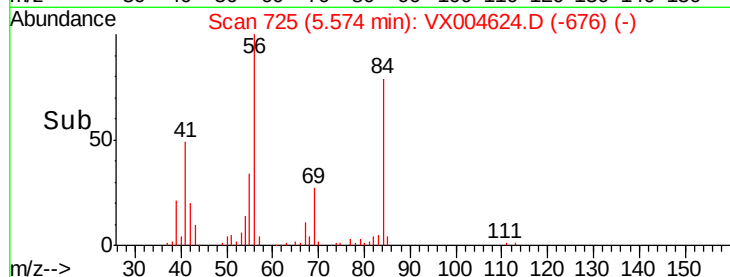
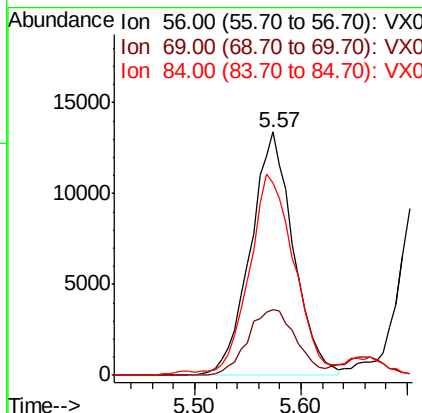
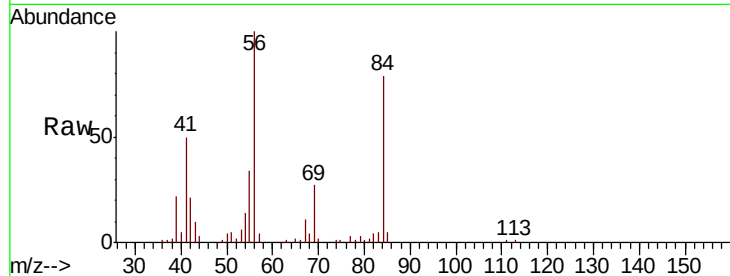
ClientSampleId :

VX0917WBSD01

Tot Ion:	56	Resp:	37763
Ion Ratio	Lower	Upper	
56	100		
69	26.9	25.4	38.2
84	77.5	71.4	107.2

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#32

1,1,1-Trichloroethane

Concen: 19.83 ug/l

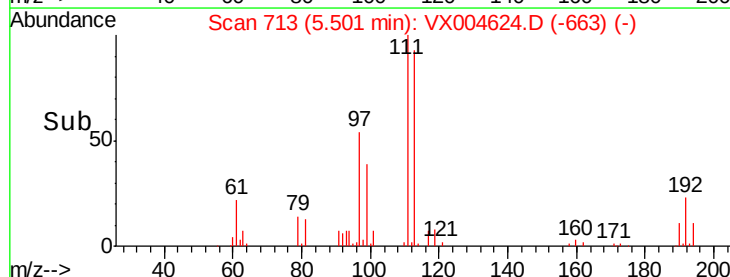
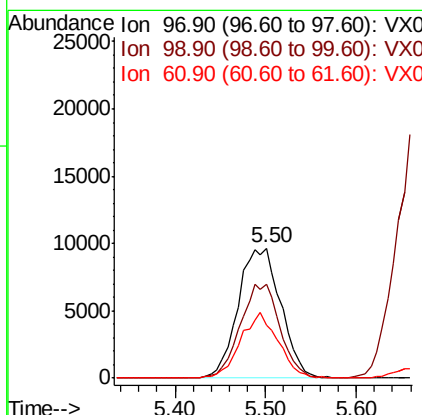
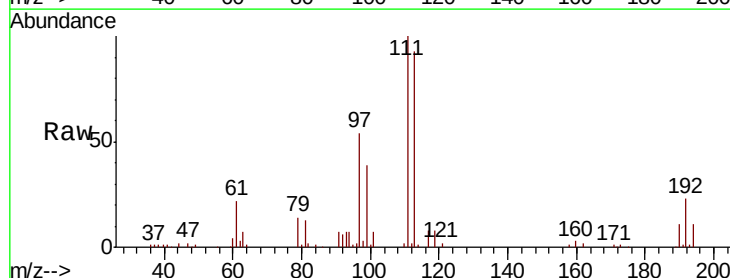
RT: 5.50 min Scan# 713

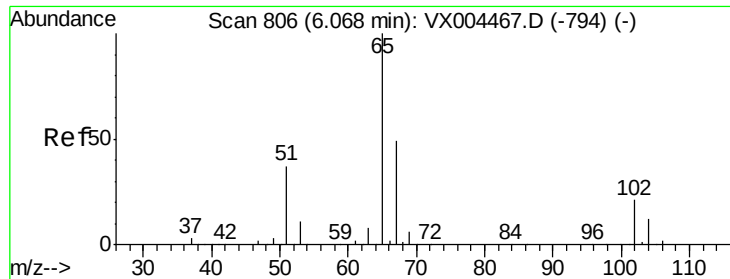
Delta R.T. 0.01 min

Lab File: VX004624.D

Acq: 17 Sep 2018 17:45

Tgt Ion:	97	Resp:	31412
Ion Ratio	Lower	Upper	
97	100		
99	67.5	52.0	78.0
61	44.6	34.9	52.3





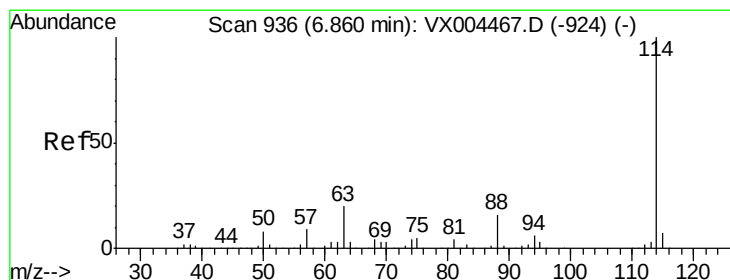
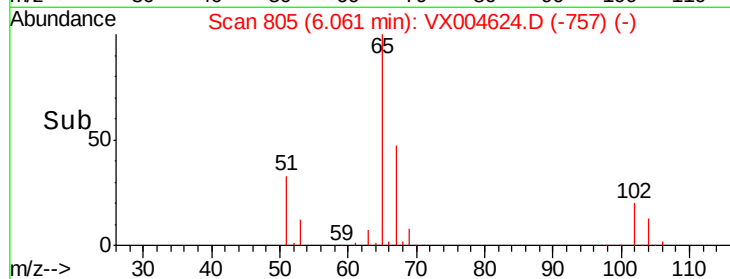
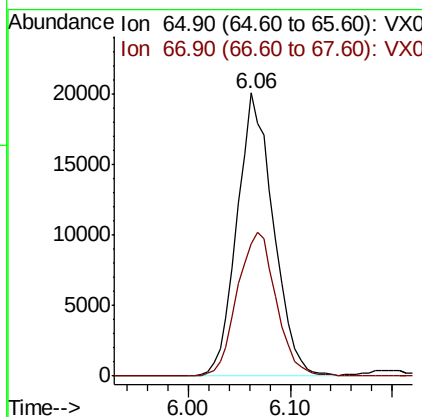
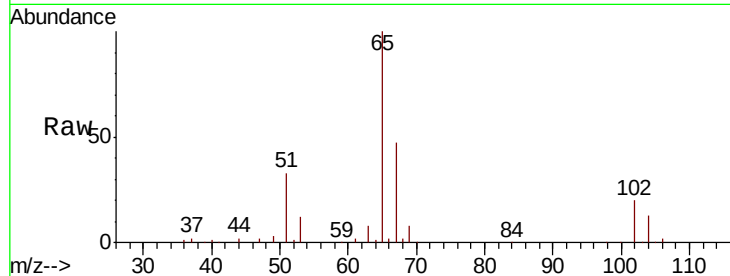
#33
 1,2-Dichloroethane-d4
 Concen: 41.75 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX004624.D
 Acq: 17 Sep 2018 17:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0917WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.1	0.0	106.8

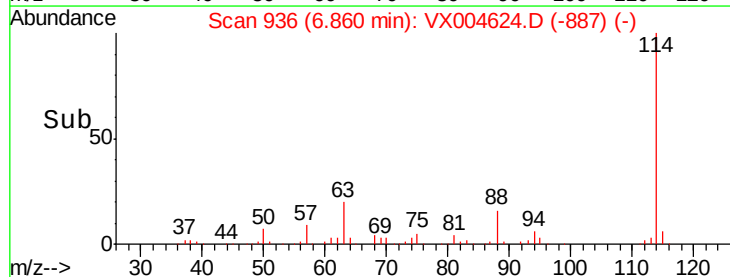
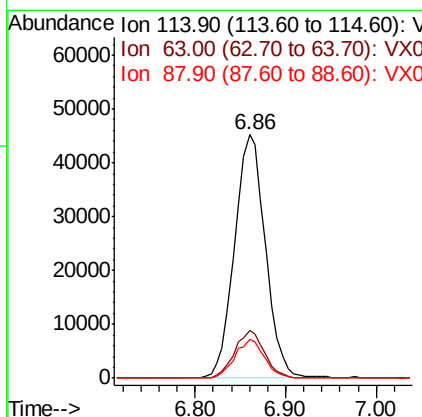
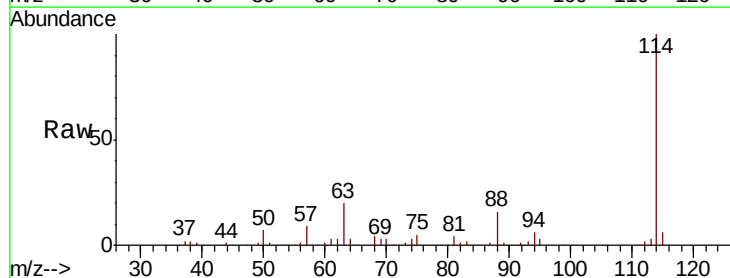
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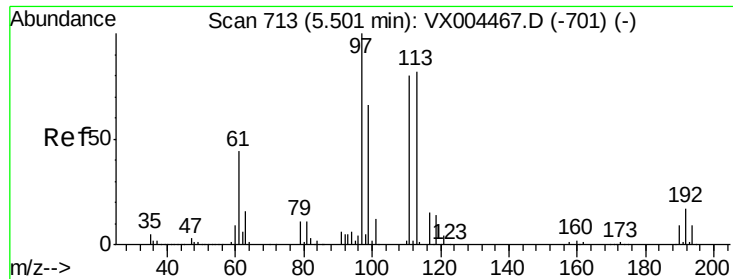
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004624.D
 Acq: 17 Sep 2018 17:45

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	39.0
88	16.2	0.0	30.4





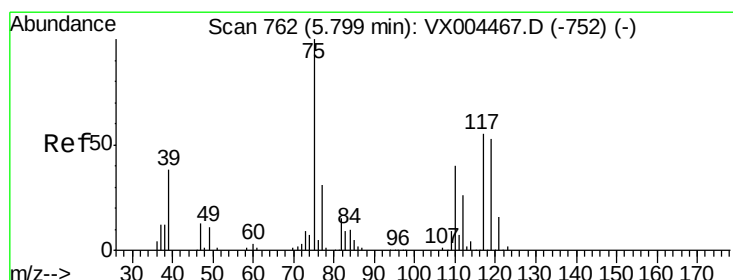
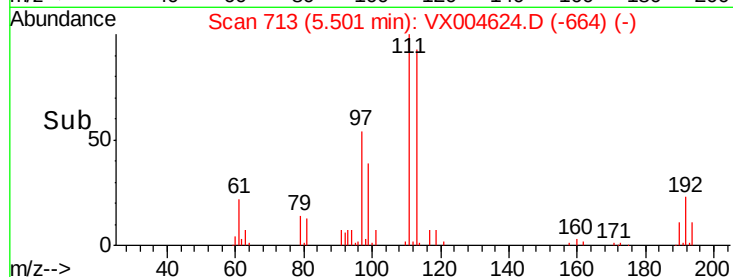
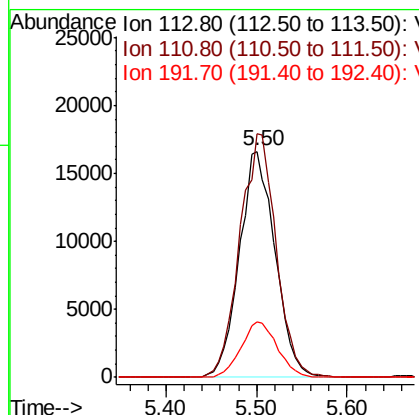
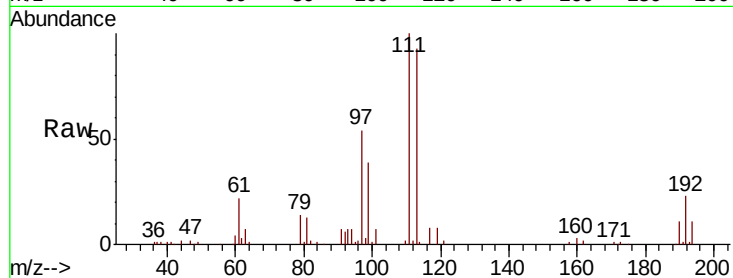
#35
 Dibromofluoromethane
 Concen: 46.43 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX004624.D
 Acq: 17 Sep 2018 17:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0917WBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	108.9	82.4	123.6
192	24.8	19.4	29.2

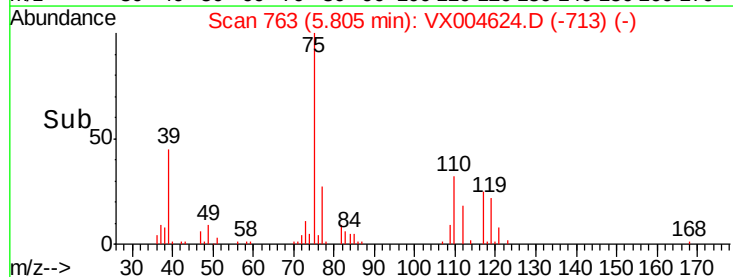
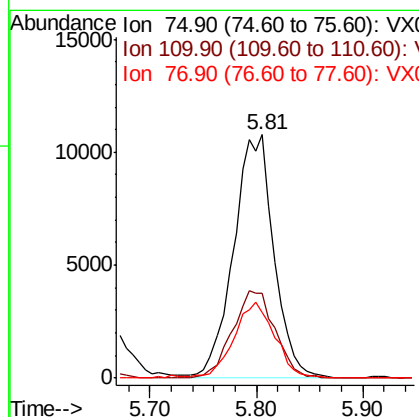
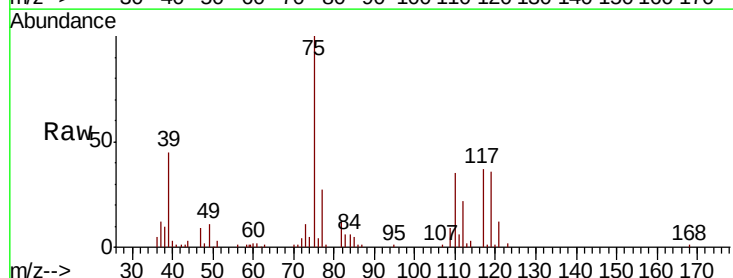
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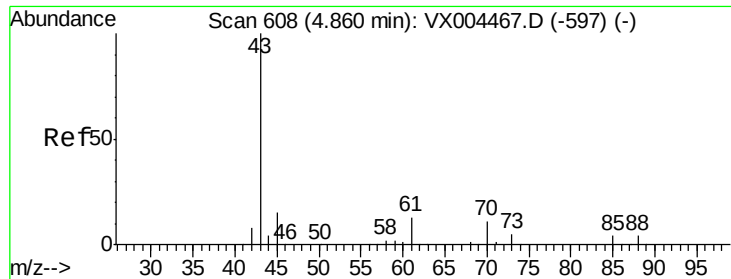
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#36
 1,1-Dichloropropene
 Concen: 22.02 ug/l
 RT: 5.81 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: VX004624.D
 Acq: 17 Sep 2018 17:45

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.9	18.0	54.0
77	31.6	24.6	36.8





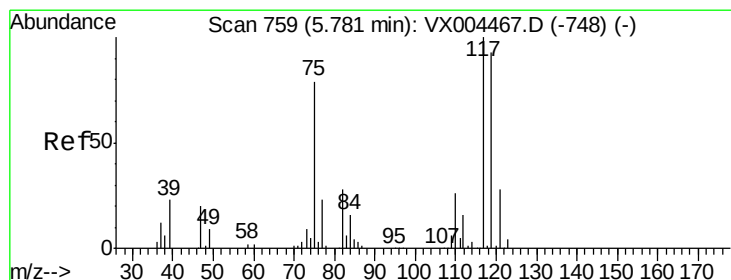
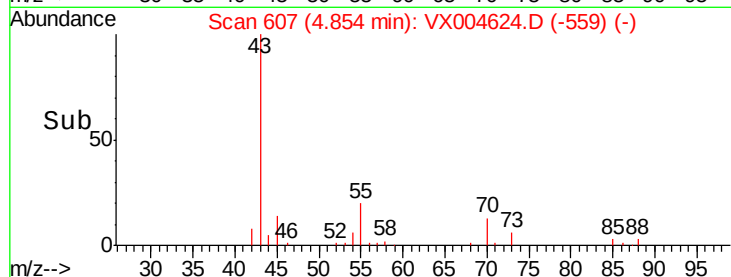
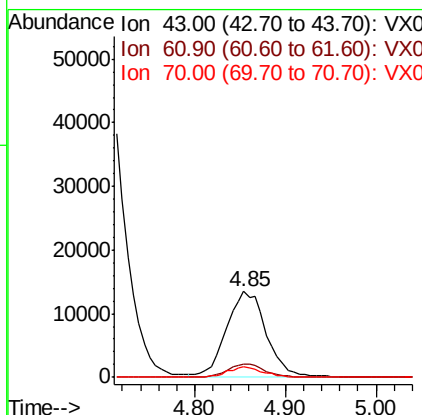
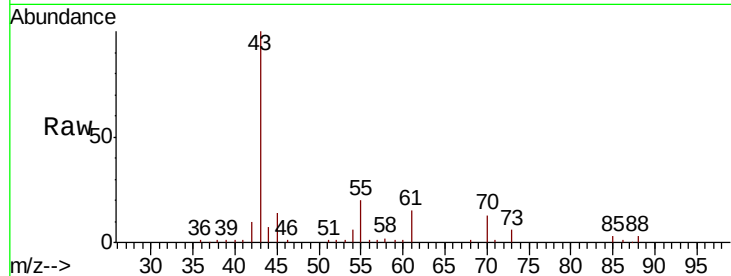
#37
Ethyl Acetate
Concen: 27.40 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX004624.D
Acq: 17 Sep 2018 17:45

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.5	17.3
70	11.3	9.0	13.6

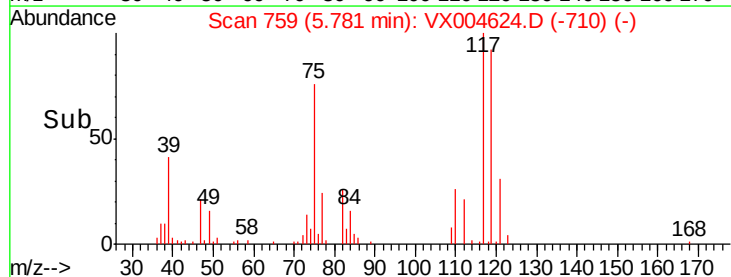
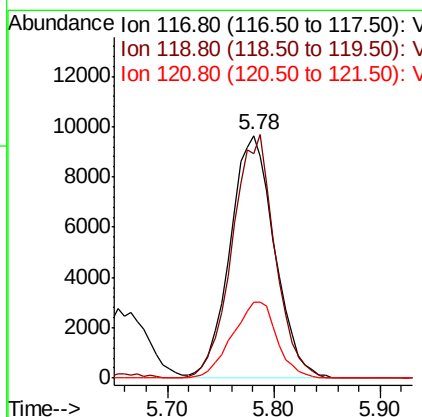
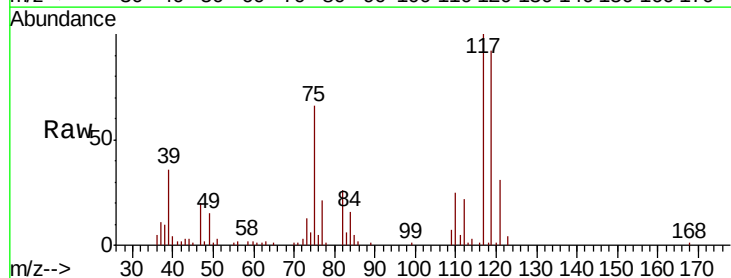
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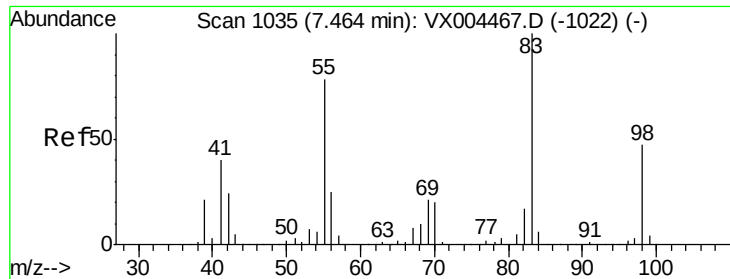
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#38
Carbon Tetrachloride
Concen: 22.33 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX004624.D
Acq: 17 Sep 2018 17:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.3	78.8	118.2
121	31.5	24.9	37.3





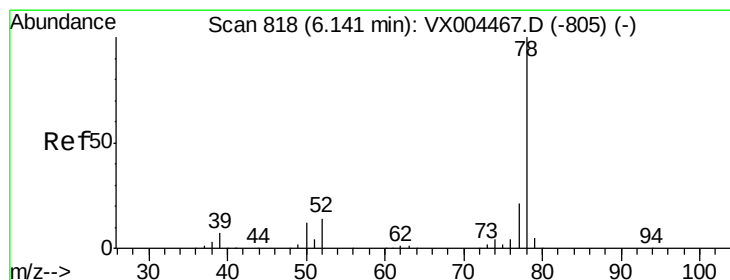
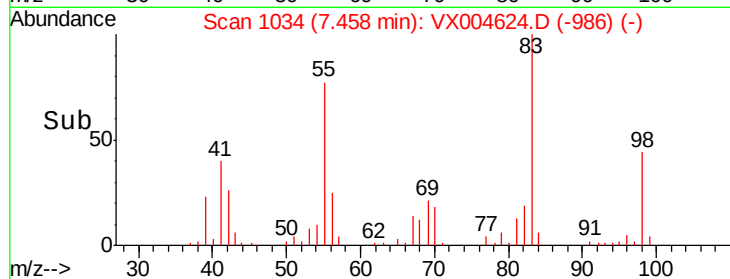
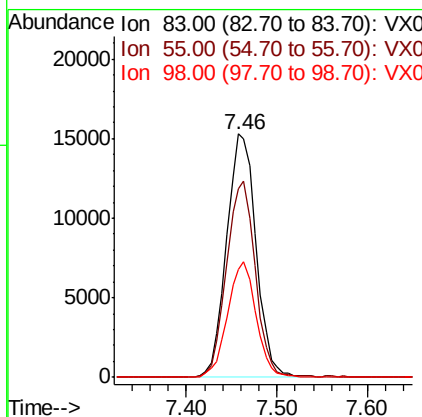
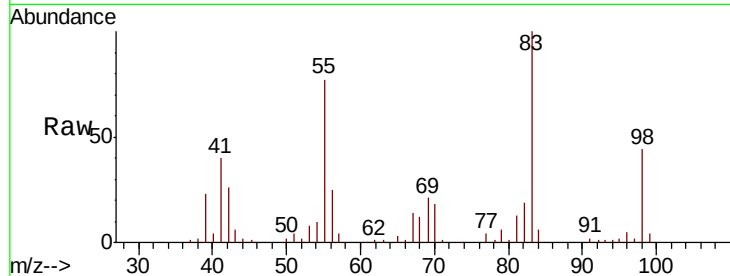
#39
Methylvlcyclohexane
Concen: 25.51 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX004624.D
Acq: 17 Sep 2018 17:45

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.2	61.0	91.4
98	44.2	39.6	59.4

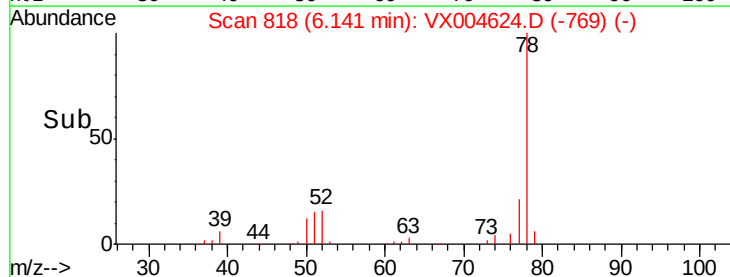
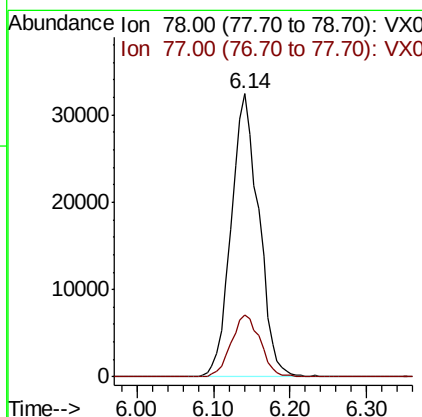
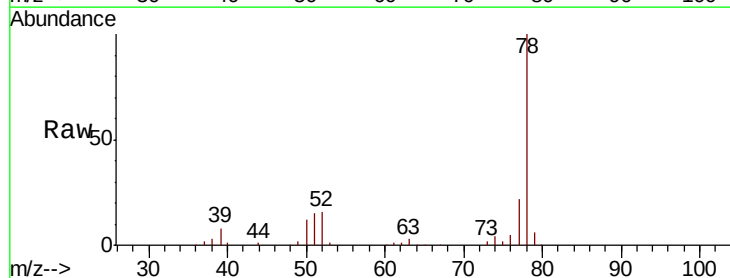
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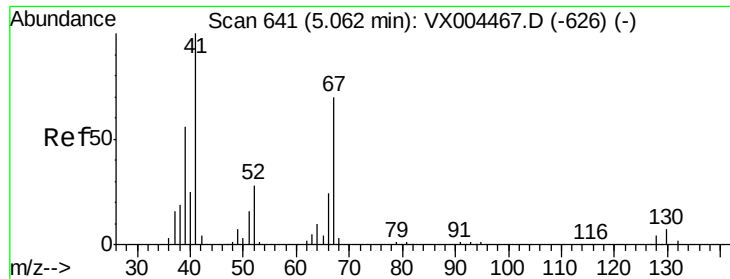
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#40
Benzene
Concen: 21.15 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX004624.D
Acq: 17 Sep 2018 17:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.7	19.0	28.4





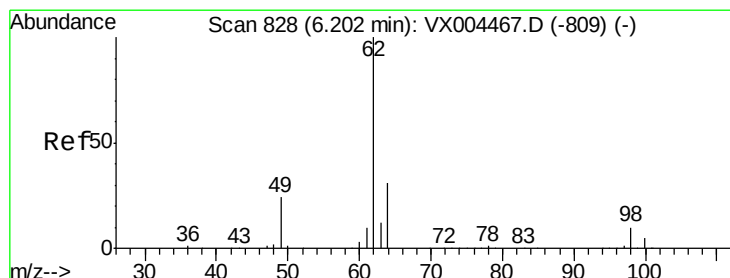
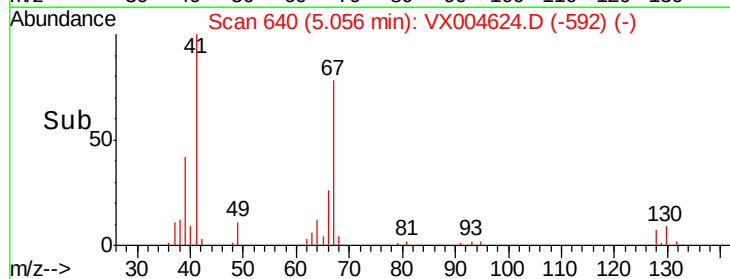
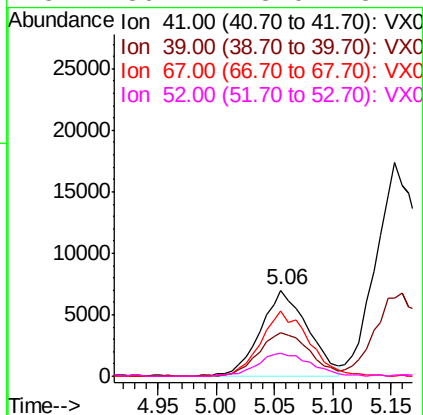
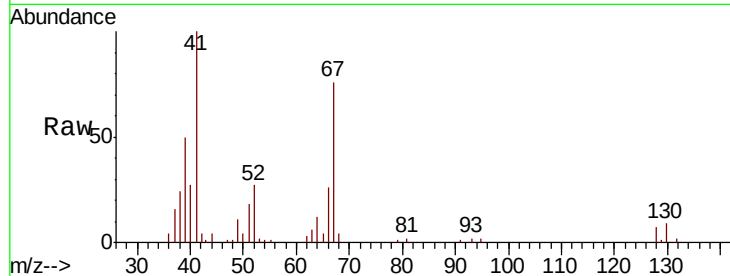
#41
Methacrylonitrile
Concen: 24.19 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX004624.D
Acq: 17 Sep 2018 17:45

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBSD01

Tot Ion	41	Resp:	19655
Ion Ratio	Lower	Upper	
41	100		
39	54.6	42.4	63.6
67	77.0	59.2	88.8
52	30.1	23.0	34.4

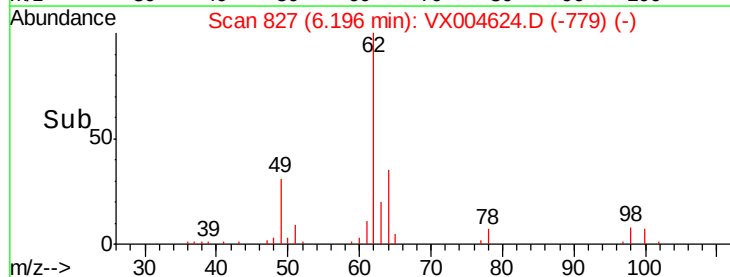
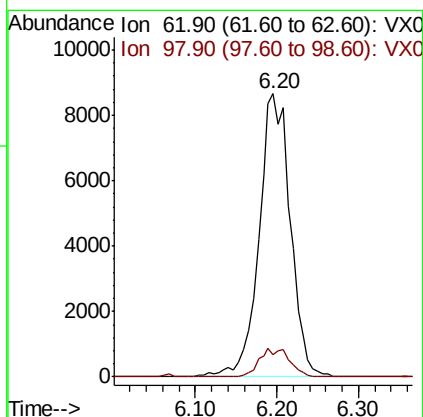
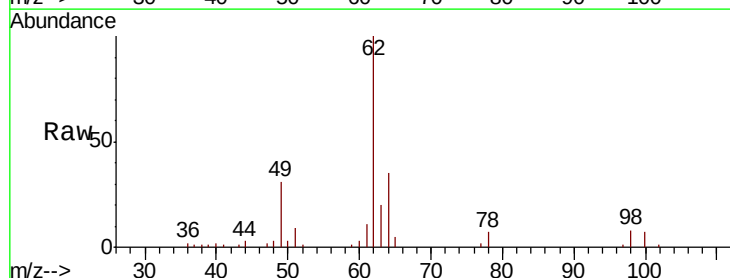
Manual Integrations
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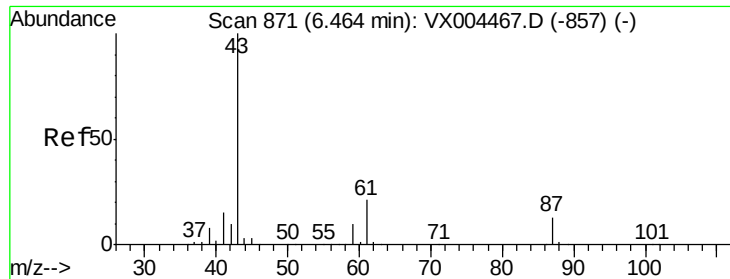
MMDadoda
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#42
1,2-Dichloroethane
Concen: 18.12 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.01 min
Lab File: VX004624.D
Acq: 17 Sep 2018 17:45

Tgt Ion	62	Resp:	23116
Ion Ratio	Lower	Upper	
62	100		
98	9.6	0.0	20.6





#43

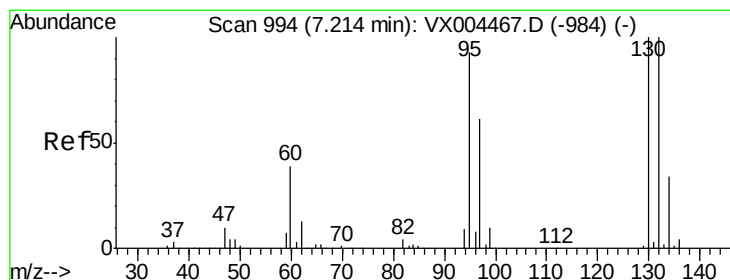
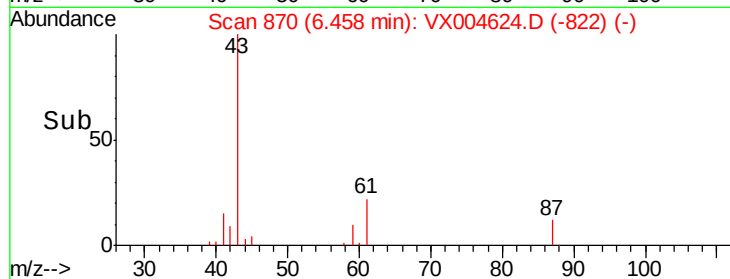
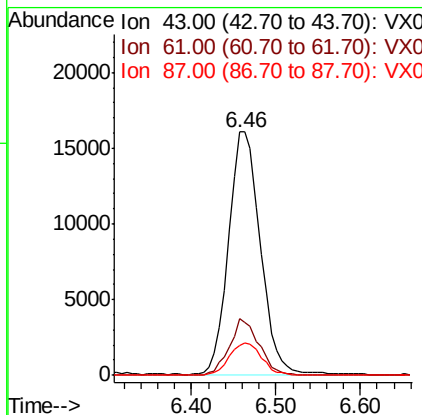
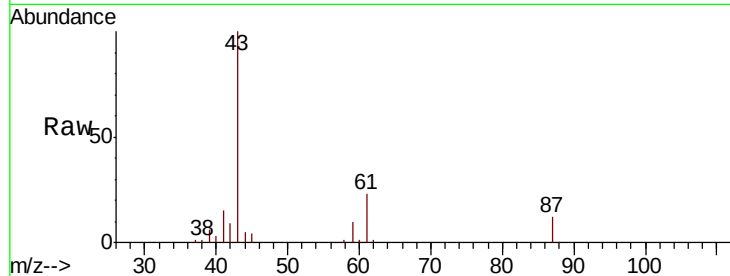
Isopropyl Acetate
 Concen: 21.18 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.01 min
 Lab File: VX004624.D
 Acq: 17 Sep 2018 17:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0917WBSD01

Tot Ion	43	61	87
Resp	41477		
Ratio	100	21.4	13.3
Lower		17.0	11.4
Upper		25.4	17.2

Manual Integrations
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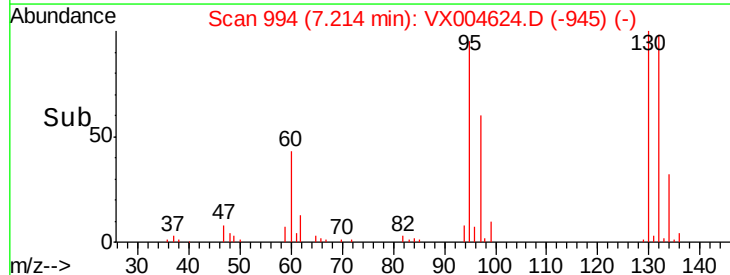
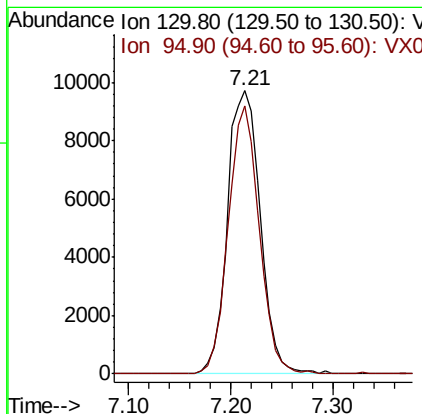
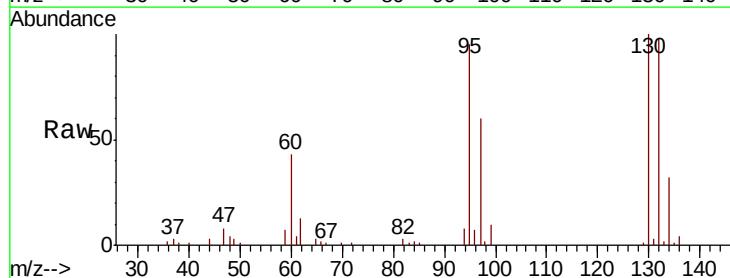
MMDadoda
 9/18/2018 5:51:18 PM

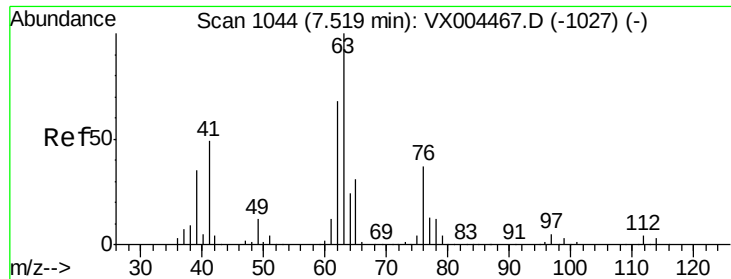


#44

Trichloroethene
 Concen: 21.57 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX004624.D
 Acq: 17 Sep 2018 17:45

Tgt Ion	130	95
Resp	21560	
Ratio	100	94.6
Lower		0.0
Upper		181.6





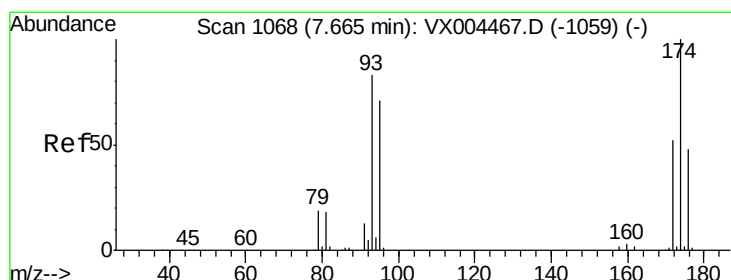
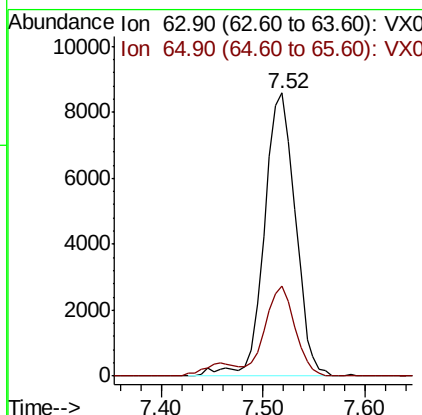
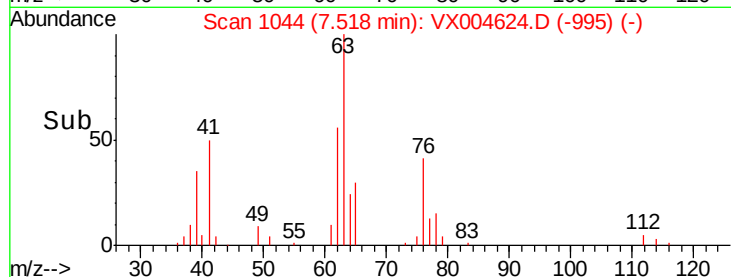
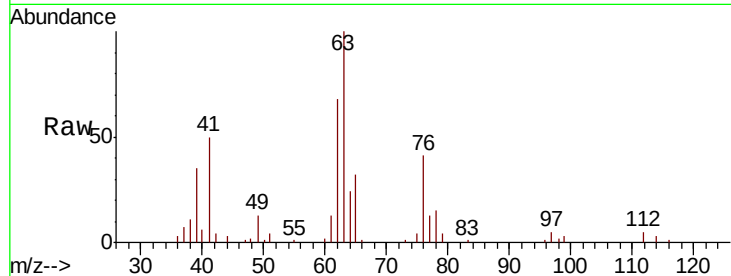
#45
 1,2-Dichloropropane
 Concen: 19.63 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX004624.D
 Acq: 17 Sep 2018 17:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0917WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.8	24.3	36.5

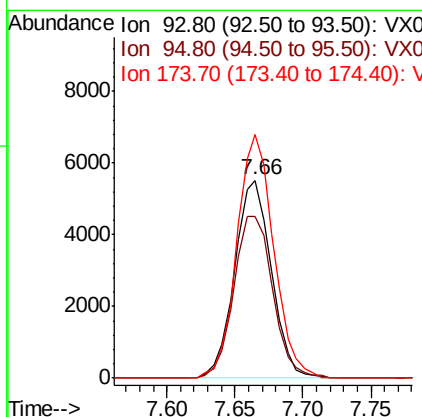
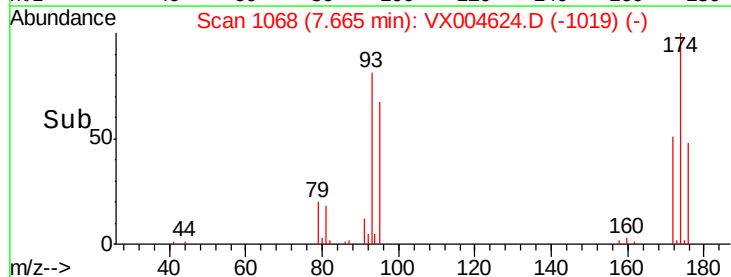
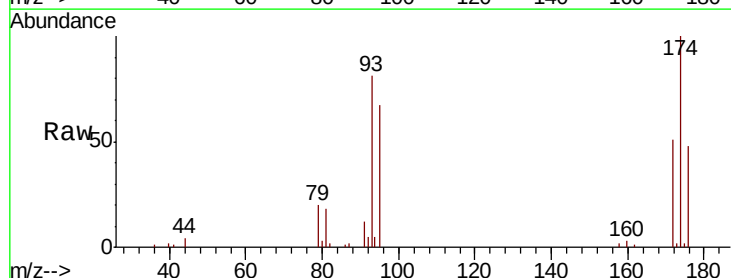
Manual Integrations
 APPROVED

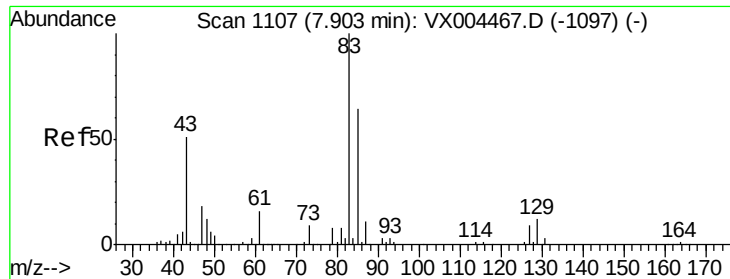
MMDadoda
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#46
 Dibromomethane
 Concen: 17.81 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VX004624.D
 Acq: 17 Sep 2018 17:45

Tgt Ion	Ratio	Lower	Upper
93	100		
95	86.8	65.5	98.3
174	123.2	94.2	141.4





#47

Bromodichloromethane

Concen: 18.46 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VX004624.D

Acq: 17 Sep 2018 17:45

Instrument :

MSVOA_X

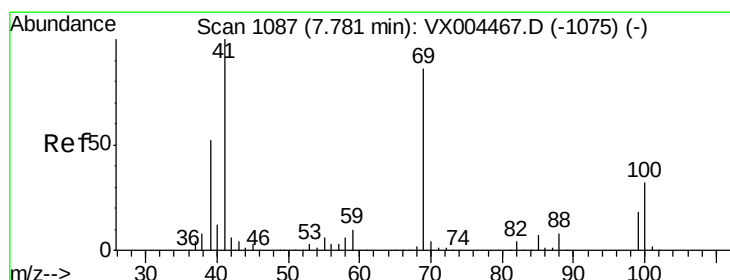
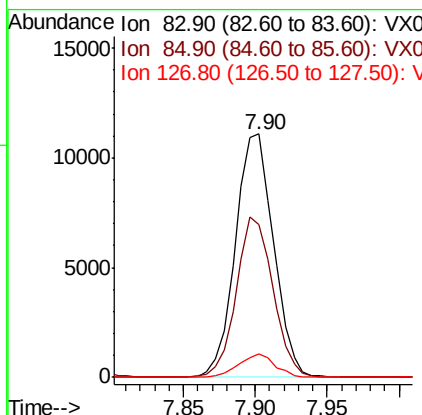
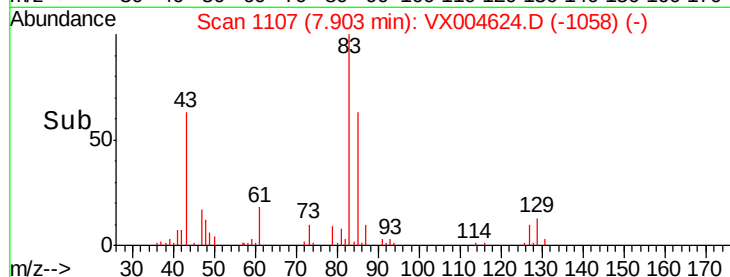
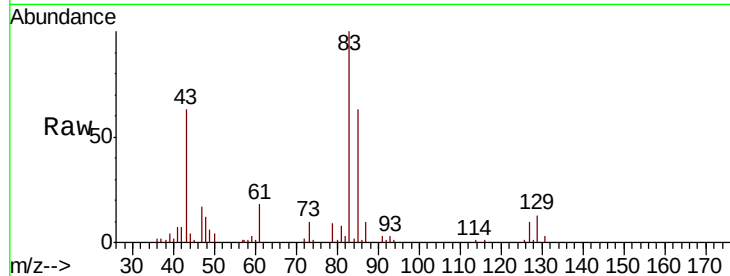
ClientSampleId :

VX0917WBSD01

Tot Ion:	83	Resp:	20416
Ion	Ratio	Lower	Upper
83	100		
85	62.7	50.9	76.3
127	9.5	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.41 ug/l

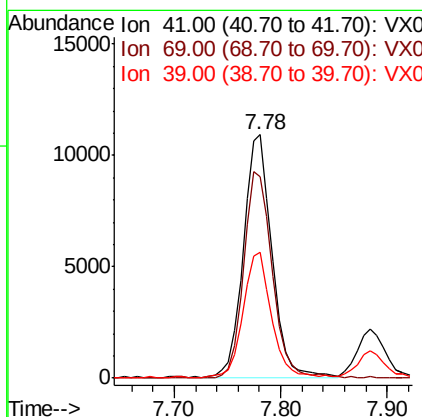
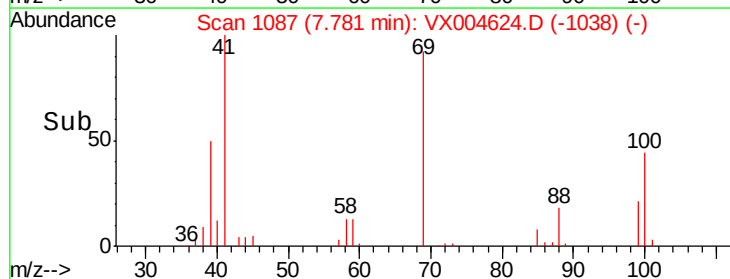
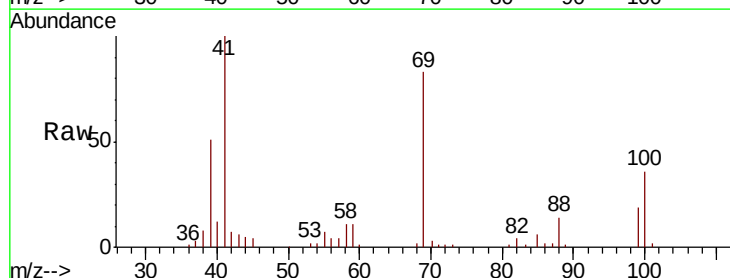
RT: 7.78 min Scan# 1087

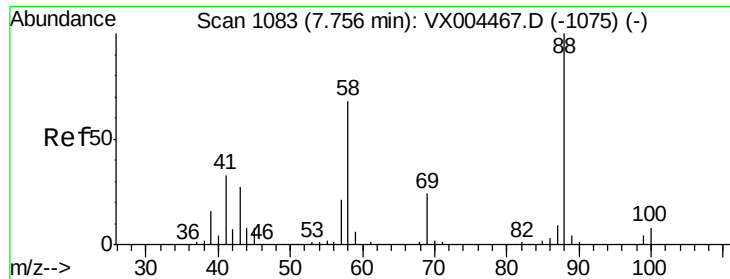
Delta R.T. -0.00 min

Lab File: VX004624.D

Acq: 17 Sep 2018 17:45

Tgt Ion:	41	Resp:	20748
Ion	Ratio	Lower	Upper
41	100		
69	84.5	70.2	105.4
39	50.9	42.7	64.1





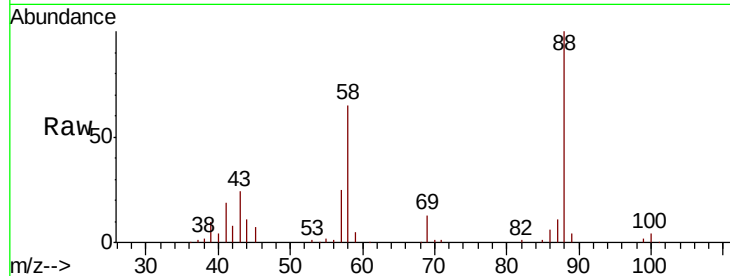
#49
1,4-Dioxane
Concen: 941.81 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX004624.D
Acq: 17 Sep 2018 17:45

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.4	24.7	37.1
58	71.0	55.3	82.9

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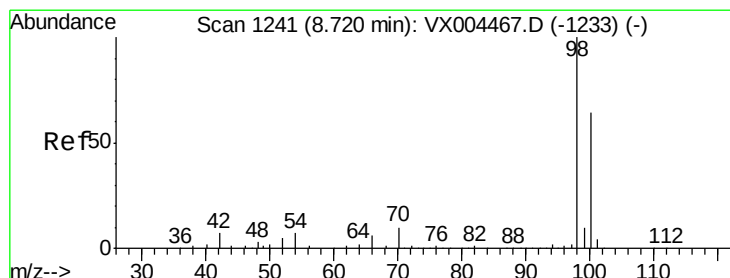
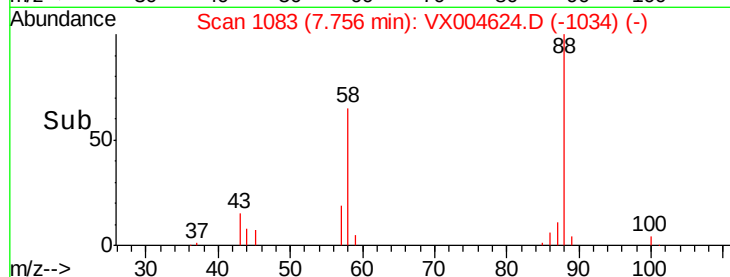
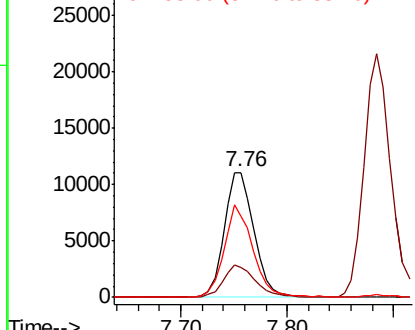


Abundance

Ion 88.00 (87.70 to 88.70): VX0

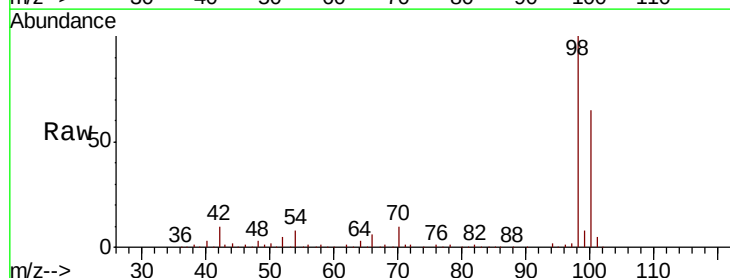
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 49.36 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VX004624.D
Acq: 17 Sep 2018 17:45

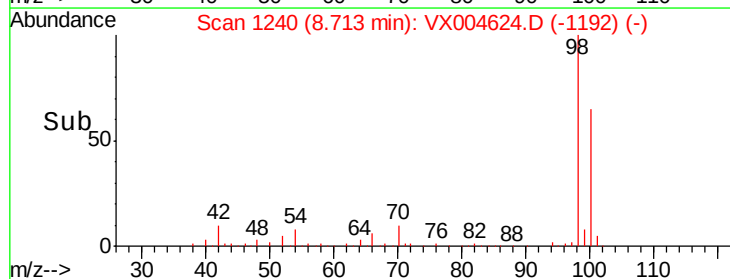
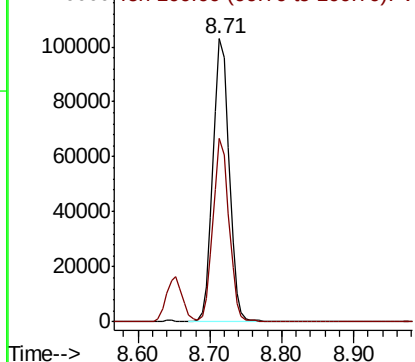
Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	52.9	79.3

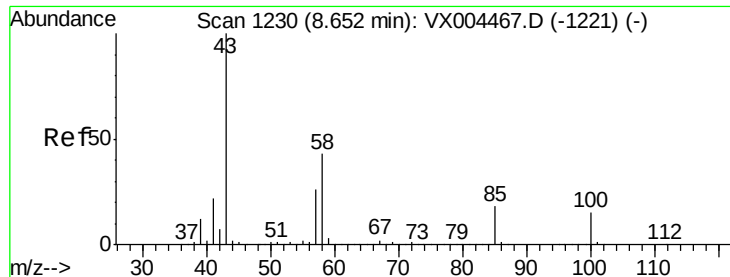


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 122.70 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX004624.D

Acq: 17 Sep 2018 17:45

Instrument :

MSVOA_X

ClientSampleId :

VX0917WBSD01

Tot Ion: 43 Resp: 169569

Ion Ratio Lower Upper

43 100

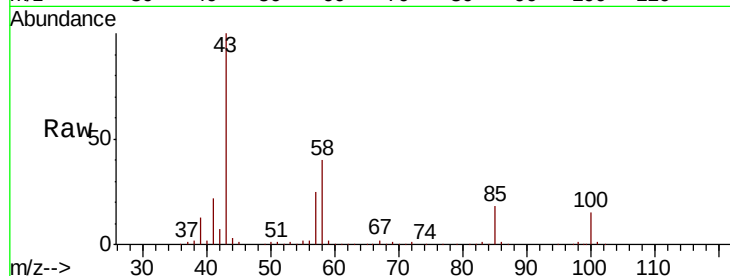
58 39.4 33.1 49.7

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

120000

100000

80000

60000

40000

20000

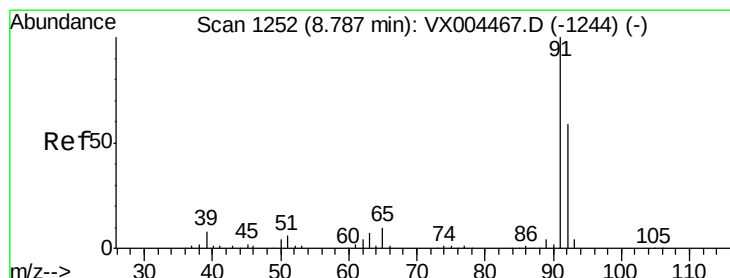
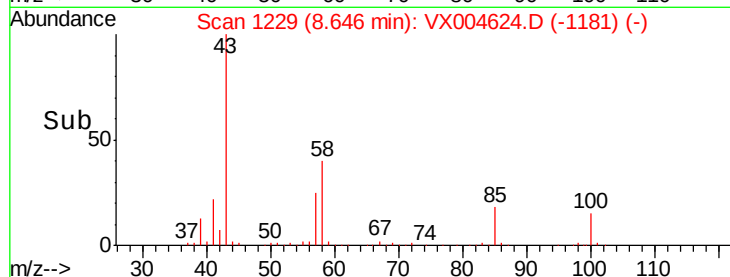
0

8.65

8.70

8.80

Time-->



#52

Toluene

Concen: 19.59 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX004624.D

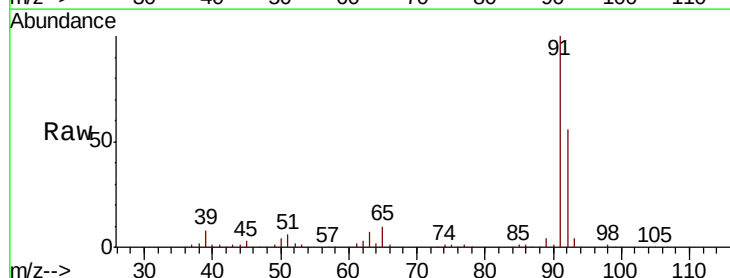
Acq: 17 Sep 2018 17:45

Tgt Ion: 92 Resp: 44398

Ion Ratio Lower Upper

92 100

91 173.3 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

50000

40000

30000

20000

10000

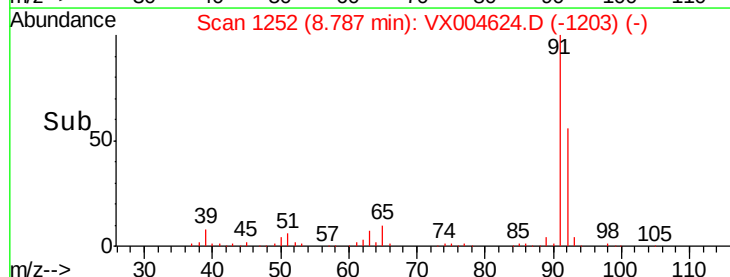
0

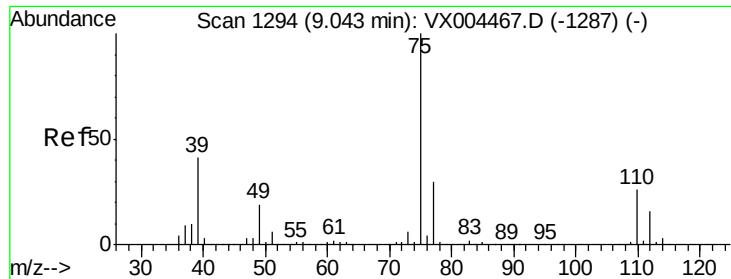
8.79

8.85

8.90

Time-->





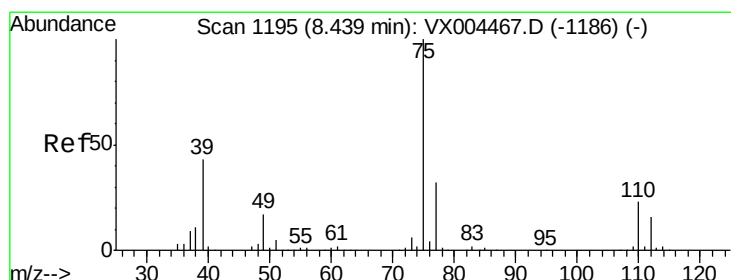
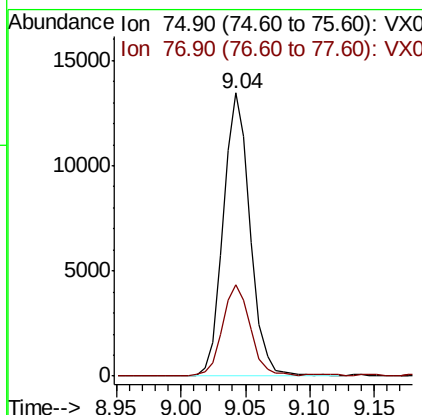
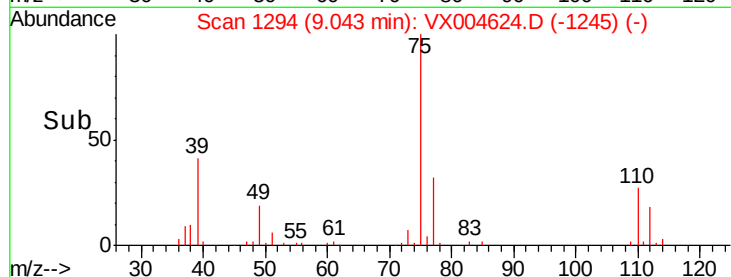
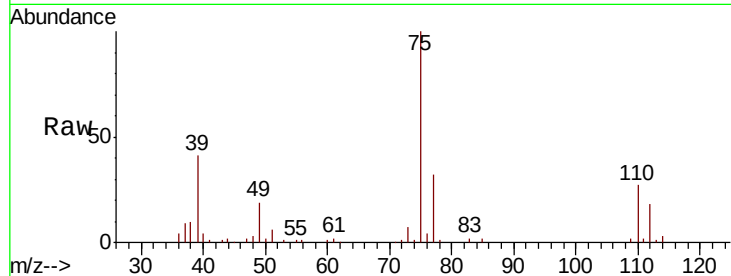
#53
 t-1,3-Dichloropropene
 Concen: 15.28 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX004624.D
 Acq: 17 Sep 2018 17:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0917WBSD01

Tot Ion: 75 Resp: 19735
 Ion Ratio Lower Upper
 75 100
 77 32.2 24.6 37.0

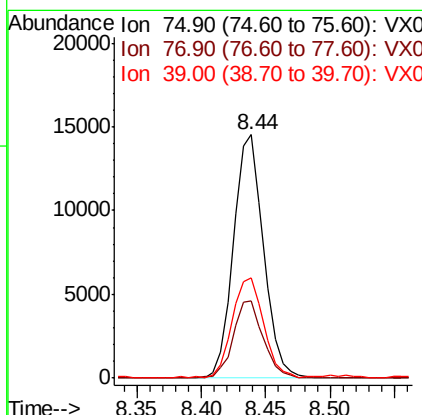
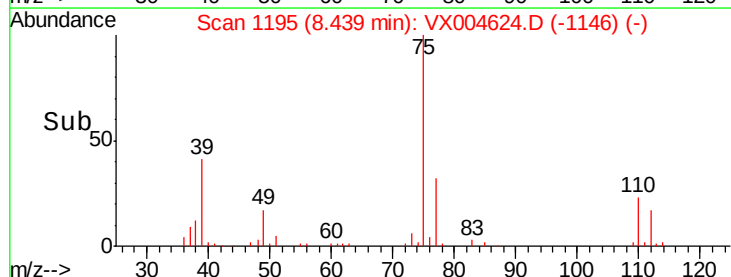
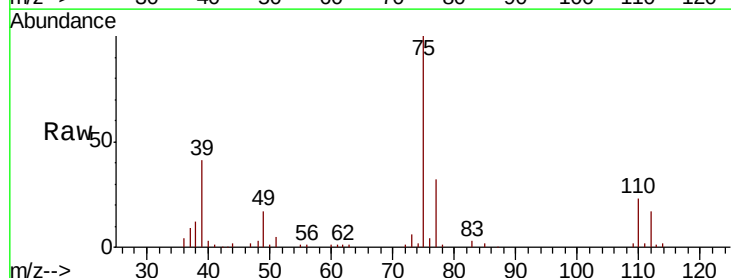
Manual Integrations
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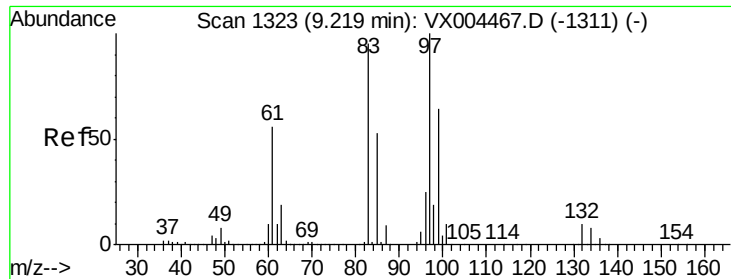
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#54
 cis-1,3-Dichloropropene
 Concen: 17.92 ug/l
 RT: 8.44 min Scan# 1195
 Delta R.T. -0.00 min
 Lab File: VX004624.D
 Acq: 17 Sep 2018 17:45

Tgt Ion: 75 Resp: 23593
 Ion Ratio Lower Upper
 75 100
 77 31.8 26.2 39.2
 39 41.0 36.4 54.6





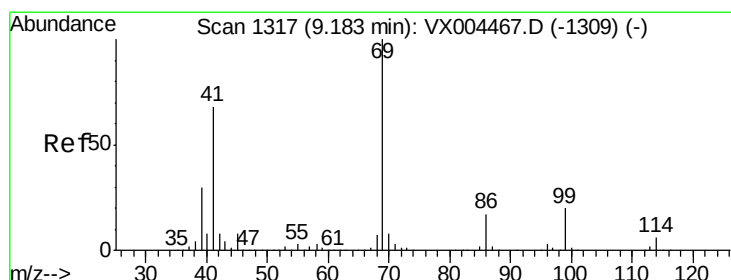
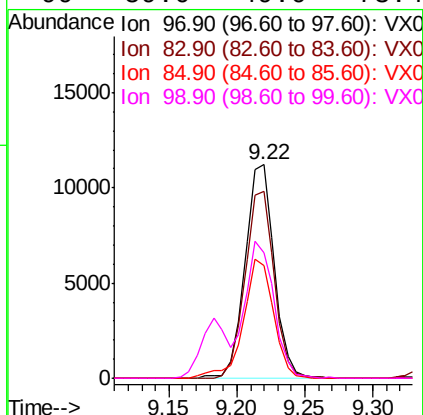
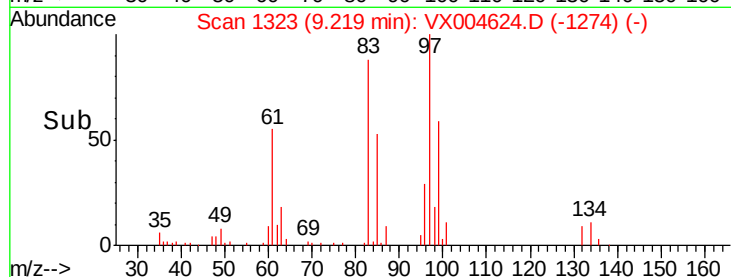
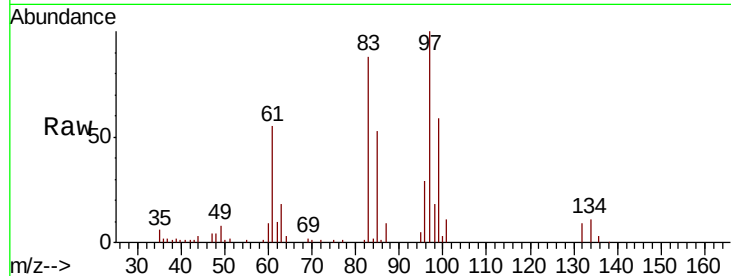
#55
 1,1,2-Trichloroethane
 Concen: 17.24 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VX004624.D
 Acq: 17 Sep 2018 17:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0917WBSD01

Tot Ion:	97	Resp:	16818
Ion	Ratio	Lower	Upper
97	100		
83	87.6	66.4	99.6
85	52.6	43.3	64.9
99	59.0	49.0	73.4

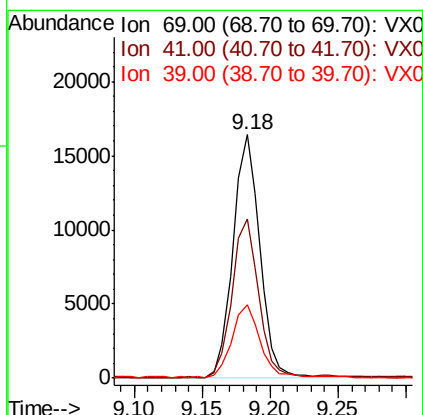
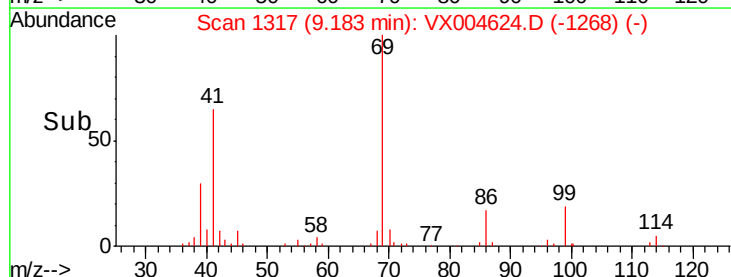
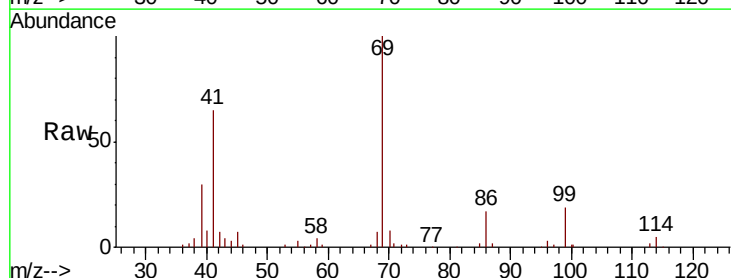
Manual Integrations
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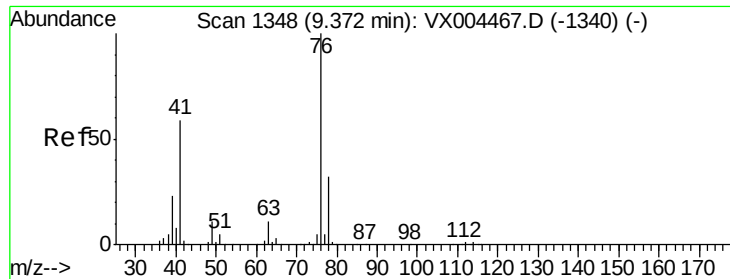
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#56
 Ethyl methacrylate
 Concen: 16.39 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX004624.D
 Acq: 17 Sep 2018 17:45

Tgt Ion:	69	Resp:	22625
Ion	Ratio	Lower	Upper
69	100		
41	64.8	51.0	76.4
39	30.7	26.1	39.1





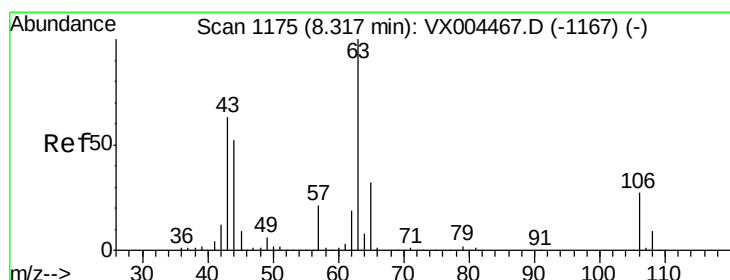
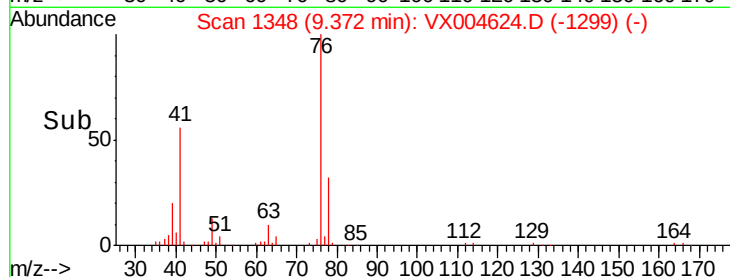
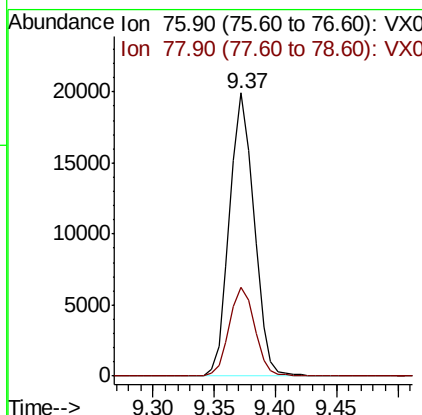
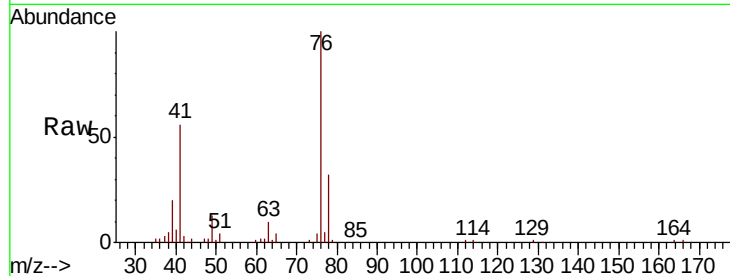
#57
 1,3-Dichloropropane
 Concen: 17.55 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX004624.D
 Acq: 17 Sep 2018 17:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0917WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.5	38.3

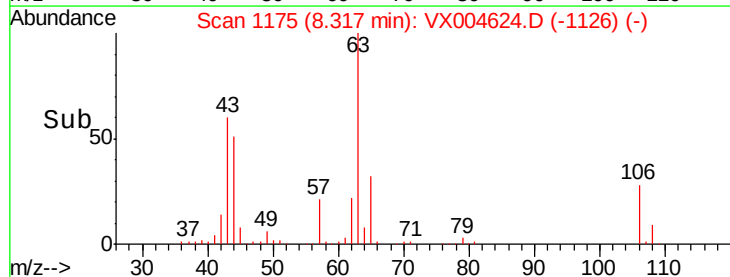
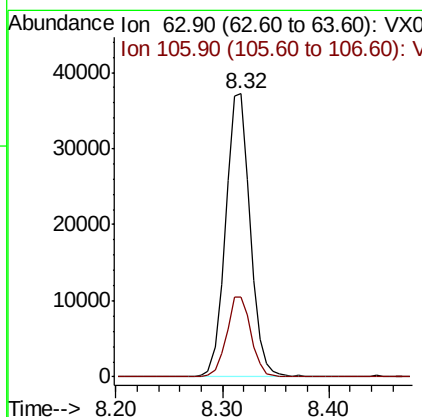
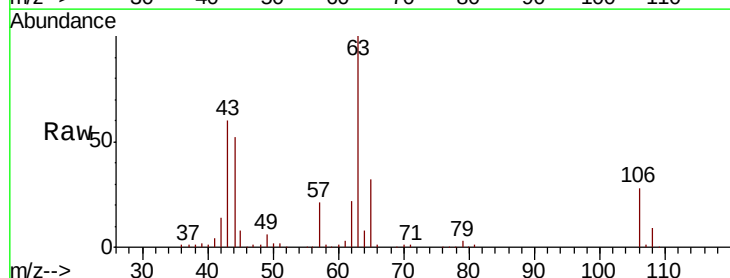
Manual Integrations
 APPROVED

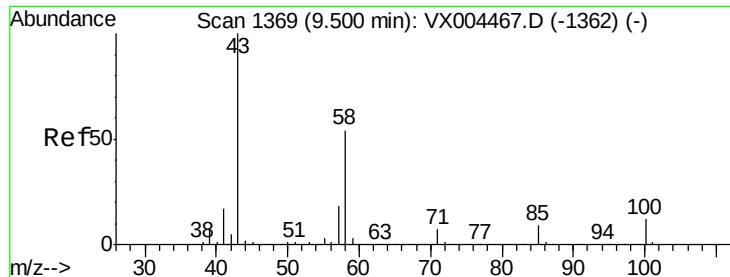
MMDadoda
 9/18/2018 5:51:18 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 90.34 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VX004624.D
 Acq: 17 Sep 2018 17:45

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.1	23.9	35.9





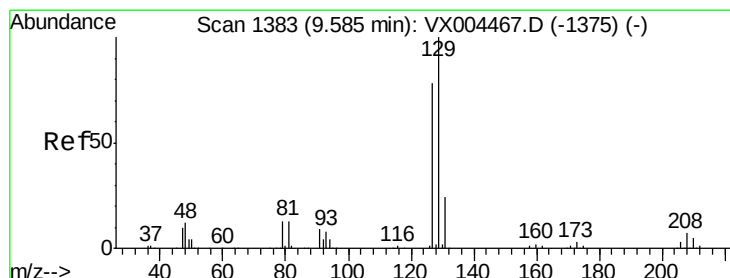
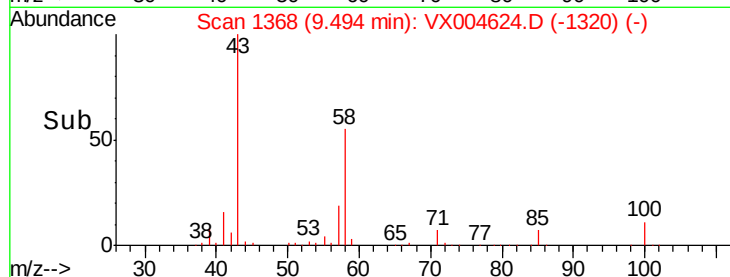
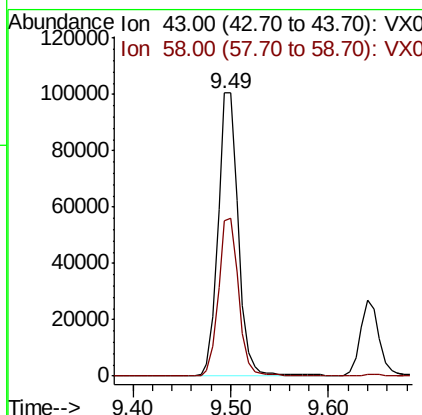
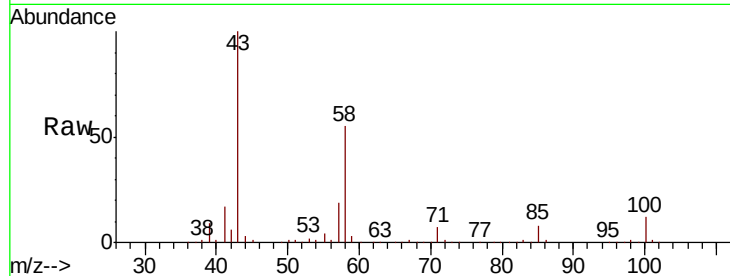
#59
2-Hexanone
Concen: 136.29 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX004624.D
Acq: 17 Sep 2018 17:45

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBSD01

Tot Ion: 43 Resp: 144470
Ion Ratio Lower Upper
43 100
58 55.6 29.0 87.0

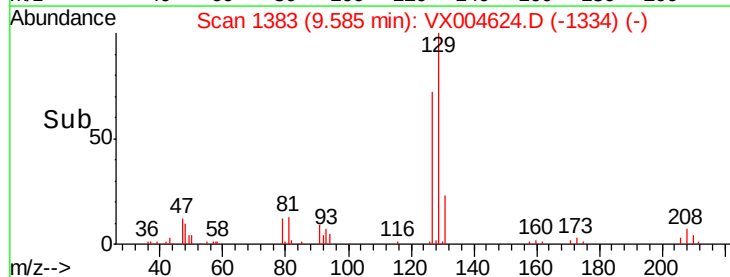
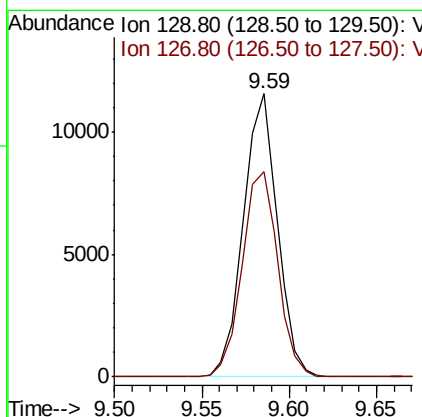
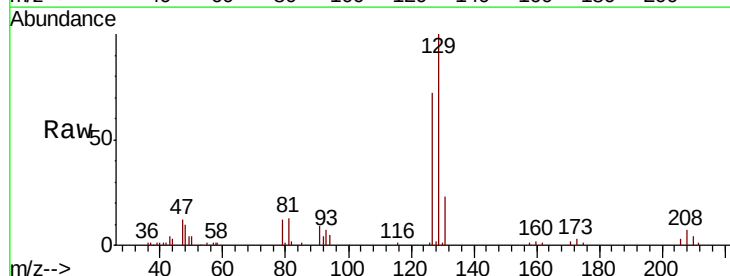
Manual Integrations
APPROVED

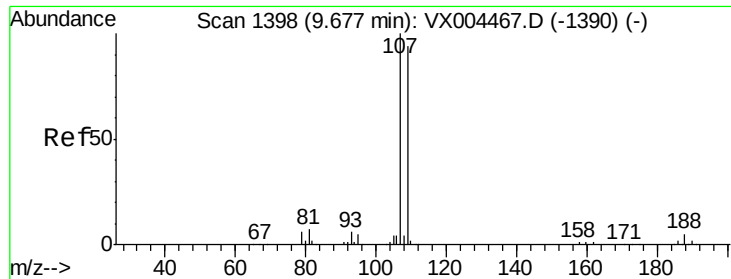
MMDadoda
9/18/2018 5:51:18 PM



#60
Dibromochloromethane
Concen: 17.12 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX004624.D
Acq: 17 Sep 2018 17:45

Tgt Ion: 129 Resp: 15725
Ion Ratio Lower Upper
129 100
127 76.0 38.5 115.5





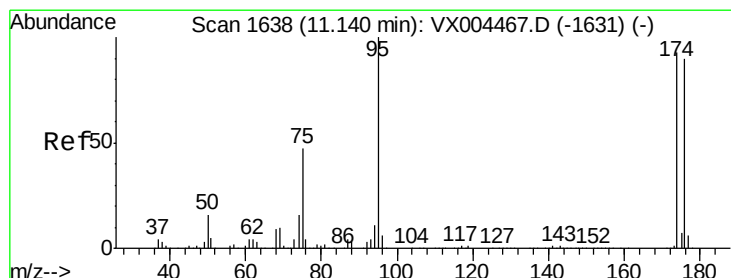
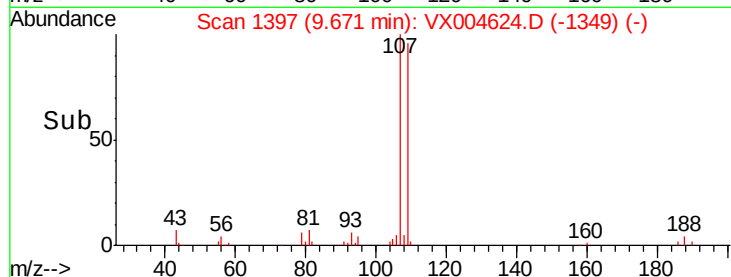
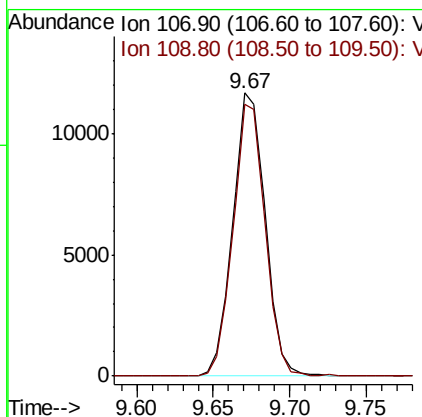
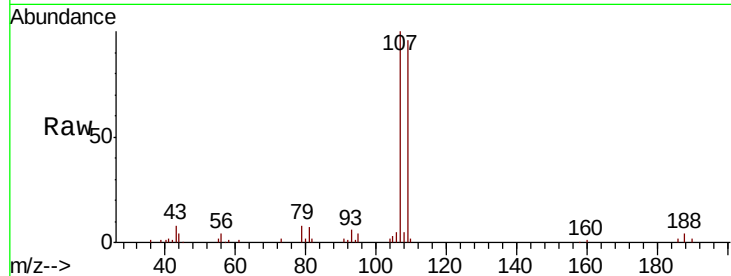
#61
 1,2-Dibromoethane
 Concen: 18.39 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.01 min
 Lab File: VX004624.D
 Acq: 17 Sep 2018 17:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0917WBSD01

Tot Ion:107 Resp: 17144
 Ion Ratio Lower Upper
 107 100
 109 94.4 76.0 114.0

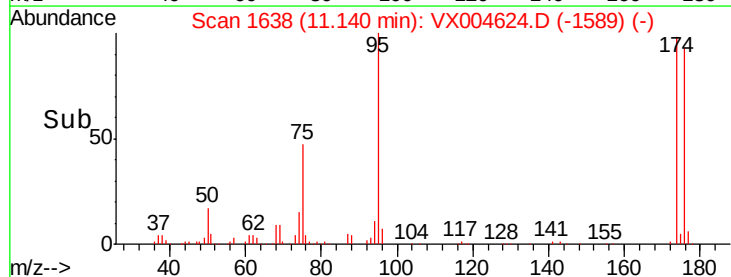
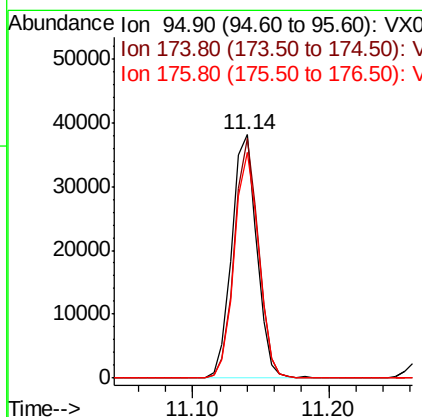
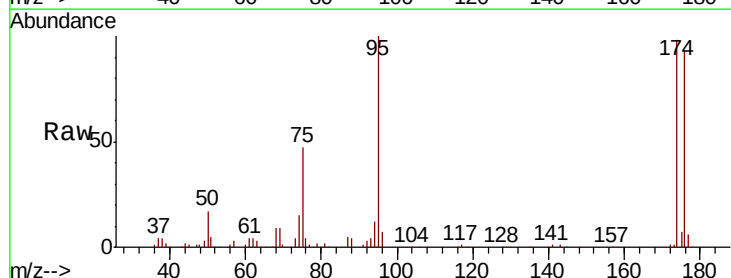
Manual Integrations
 APPROVED

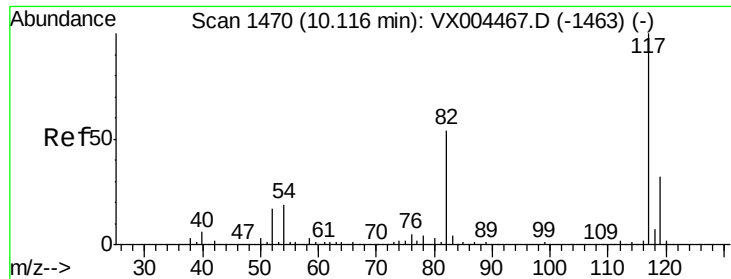
MMDadoda
 9/18/2018 5:51:18 PM



#62
 4-Bromofluorobenzene
 Concen: 41.69 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: VX004624.D
 Acq: 17 Sep 2018 17:45

Tgt Ion: 95 Resp: 48760
 Ion Ratio Lower Upper
 95 100
 174 94.8 0.0 185.2
 176 91.1 0.0 178.6





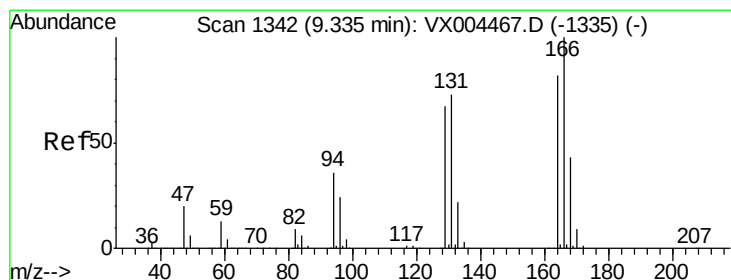
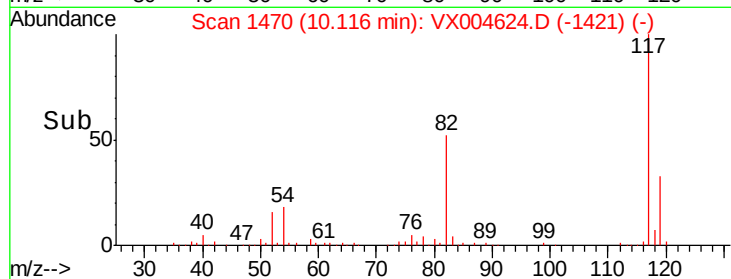
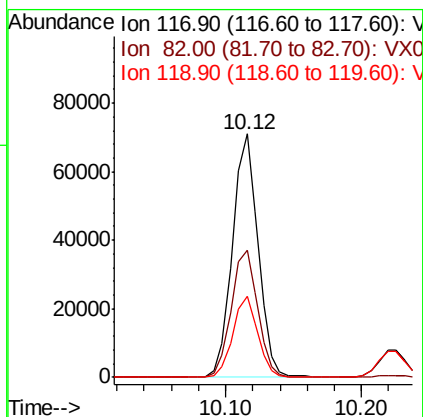
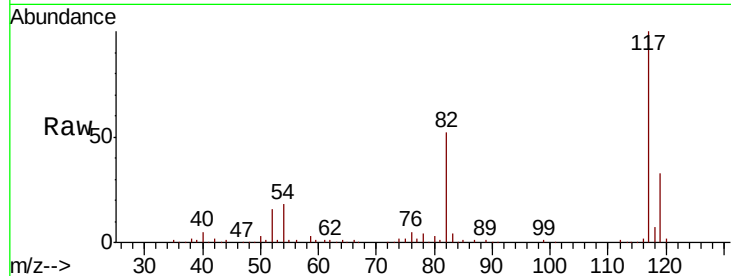
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004624.D
Acq: 17 Sep 2018 17:45

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.3	47.8	71.6
119	33.1	29.3	43.9

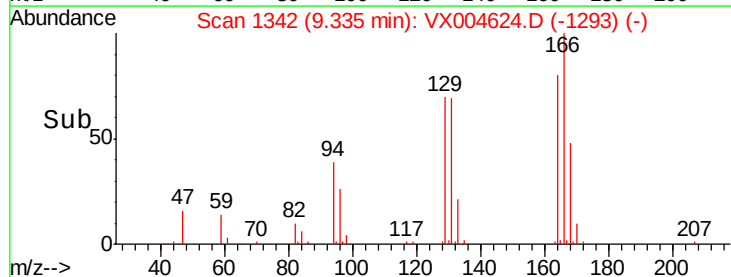
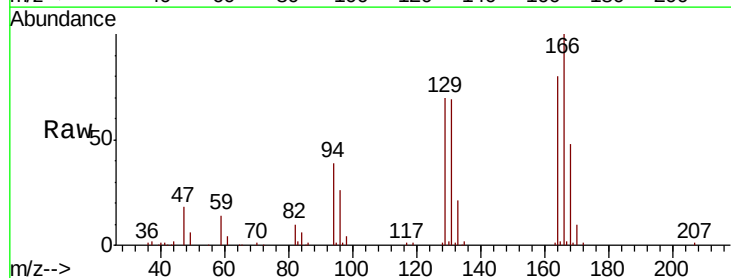
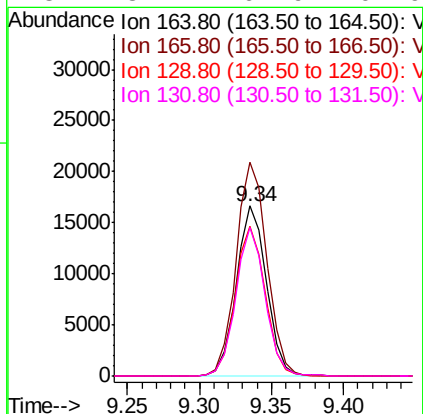
Manual Integrations
APPROVED

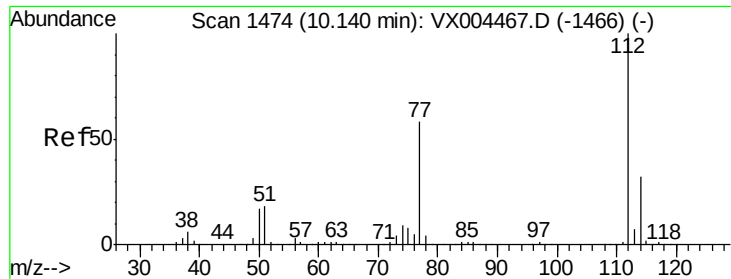
MMDadoda
9/18/2018 5:51:18 PM



#64
Tetrachloroethene
Concen: 20.80 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX004624.D
Acq: 17 Sep 2018 17:45

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.6	102.8	154.2
129	88.2	69.4	104.0
131	87.1	67.9	101.9





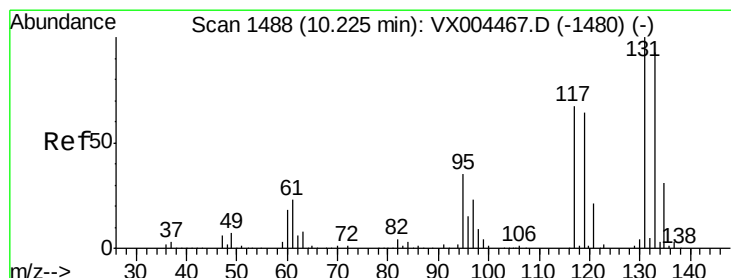
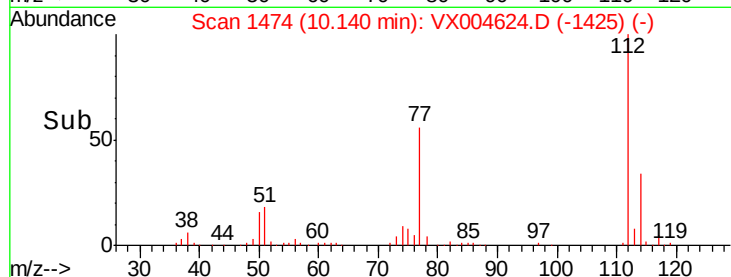
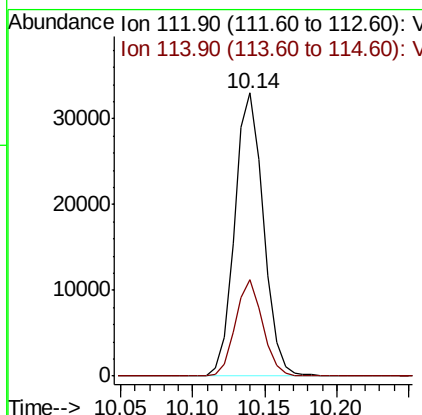
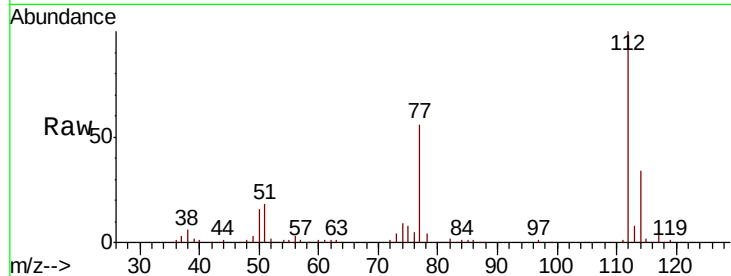
#65
Chlorobenzene
Concen: 19.94 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX004624.D
Acq: 17 Sep 2018 17:45

Instrument :
MSVOA_X
ClientSampled :
VX0917WBSD01

Tot Ion:112 Resp: 46047
Ion Ratio Lower Upper
112 100
114 34.1 27.8 41.8

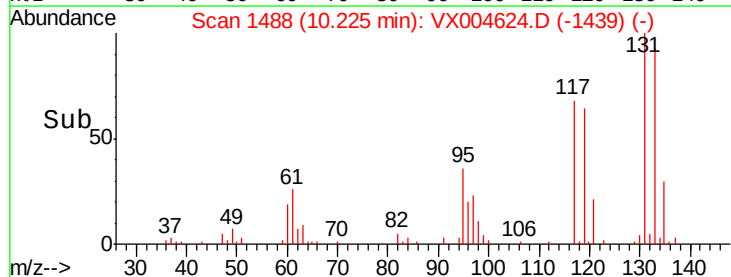
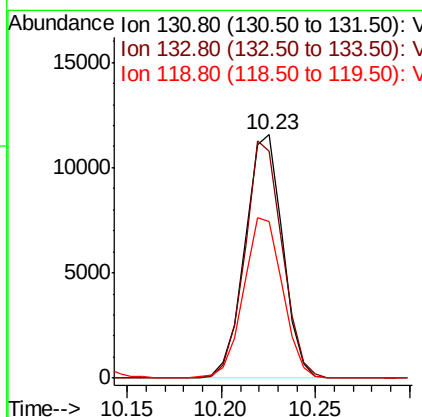
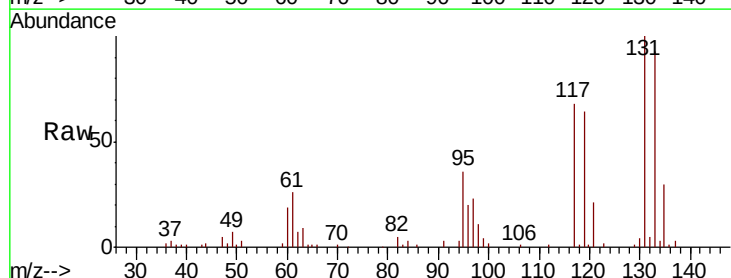
Manual Integrations
APPROVED

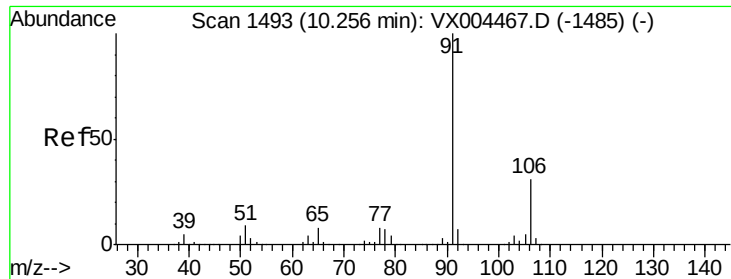
MMDadoda
9/18/2018 5:51:18 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.02 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VX004624.D
Acq: 17 Sep 2018 17:45

Tgt Ion:131 Resp: 15945
Ion Ratio Lower Upper
131 100
133 97.0 48.1 144.4
119 68.2 32.9 98.6





#67

Ethyl Benzene

Concen: 20.73 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VX004624.D

Acq: 17 Sep 2018 17:45

Instrument :

MSVOA_X

ClientSampleId :

VX0917WBSD01

Tot Ion: 91 Resp: 77831

Ion Ratio Lower Upper

91 100

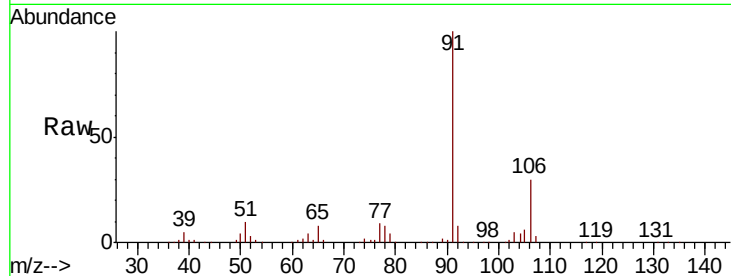
106 30.5 25.9 38.9

Manual Integrations

APPROVED

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

100000

80000

60000

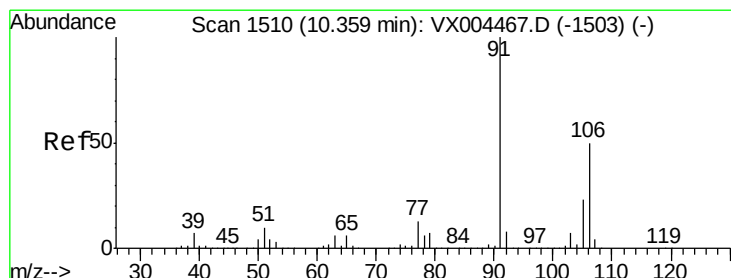
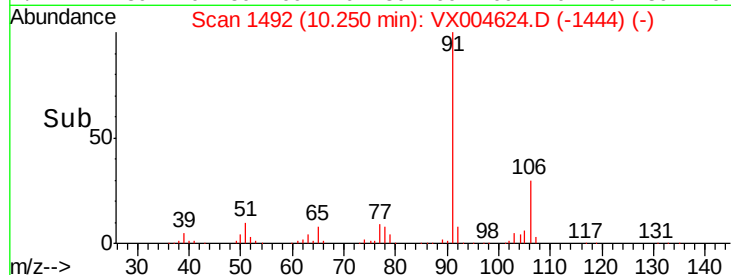
40000

20000

0

10.20 10.25 10.30 10.35

Time-->



#68

m/p-Xylenes

Concen: 41.38 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX004624.D

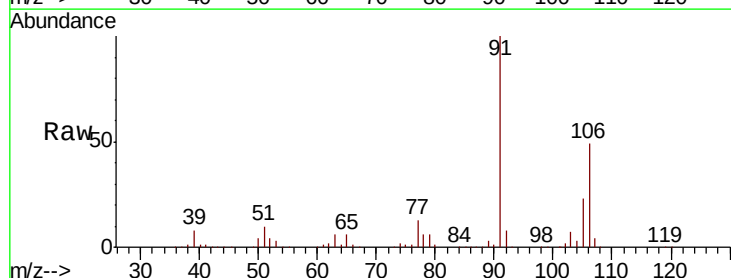
Acq: 17 Sep 2018 17:45

Tgt Ion:106 Resp: 59843

Ion Ratio Lower Upper

106 100

91 202.3 157.1 235.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

100000

80000

60000

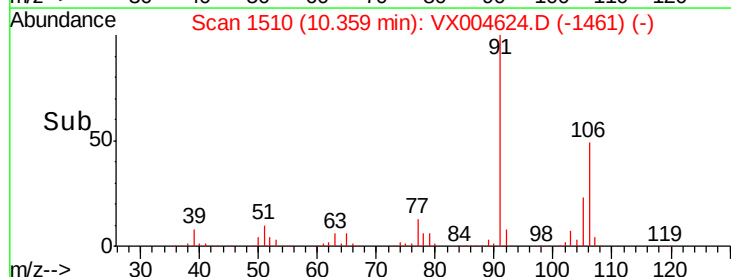
40000

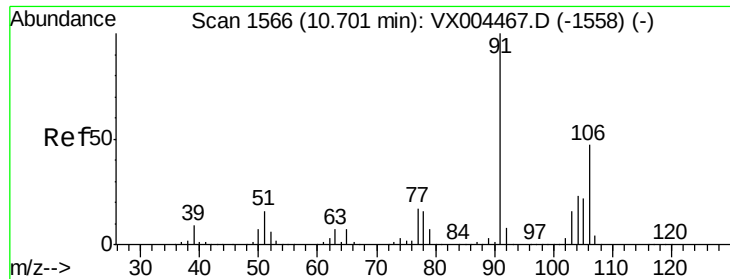
20000

0

10.30 10.35 10.40

Time-->





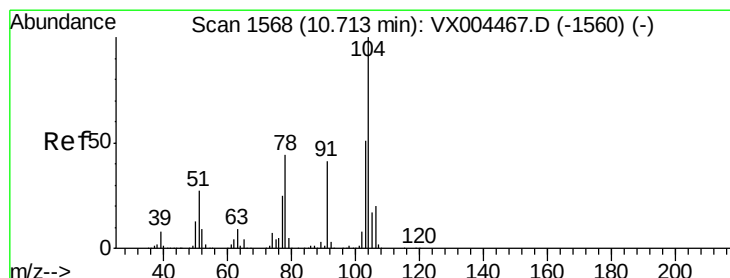
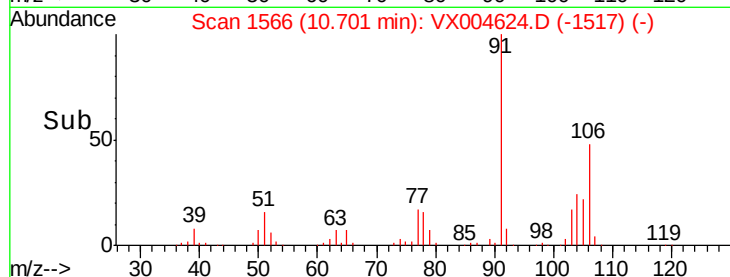
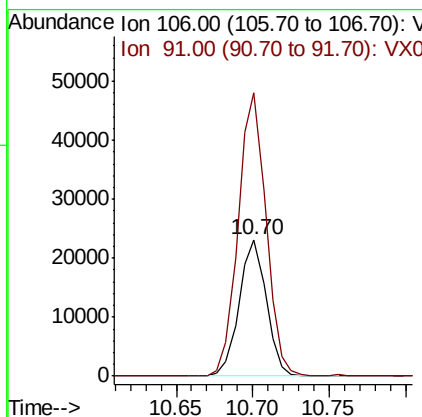
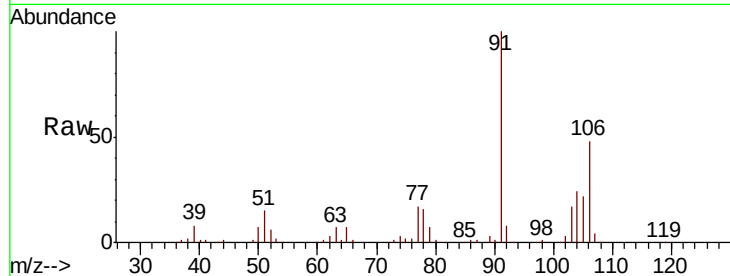
#69
o-Xylene
Concen: 20.58 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004624.D
Acq: 17 Sep 2018 17:45

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBSD01

Tot Ion:106 Resp: 28616
Ion Ratio Lower Upper
106 100
91 212.6 105.1 315.1

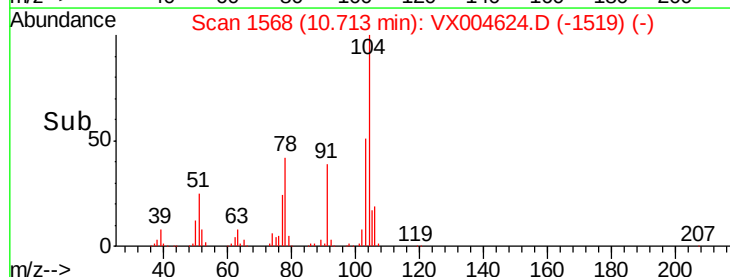
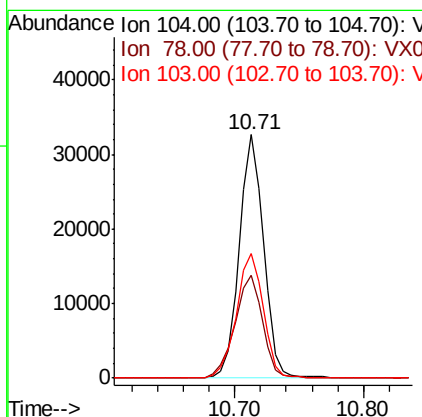
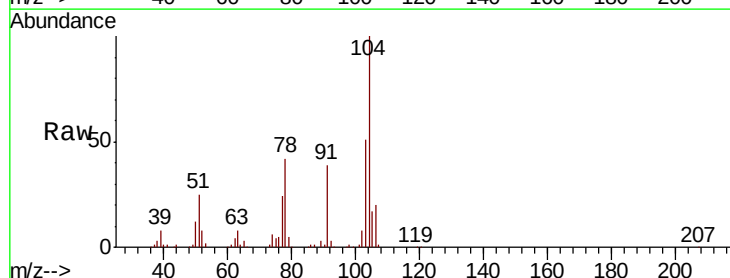
Manual Integrations
APPROVED

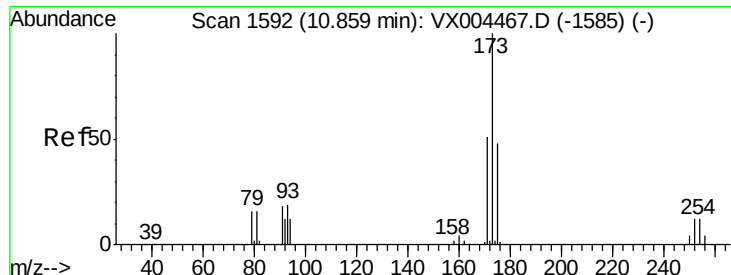
MMDadoda
9/18/2018 5:51:18 PM



#70
Styrene
Concen: 18.54 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX004624.D
Acq: 17 Sep 2018 17:45

Tgt Ion:104 Resp: 42707
Ion Ratio Lower Upper
104 100
78 48.3 37.4 56.0
103 57.0 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: VX004624.D

Acq: 17 Sep 2018 17:45

Instrument :

MSVOA_X

ClientSampleId :

VX0917WBSD01

Tot Ion:173 Resp: 12428

Ion Ratio Lower Upper

173 100

175 50.4 24.1 72.3

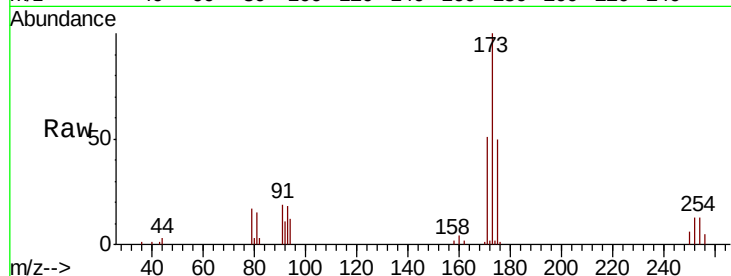
254 0.0 0.2 0.2#

Manual Integrations

APPROVED

MMDadoda

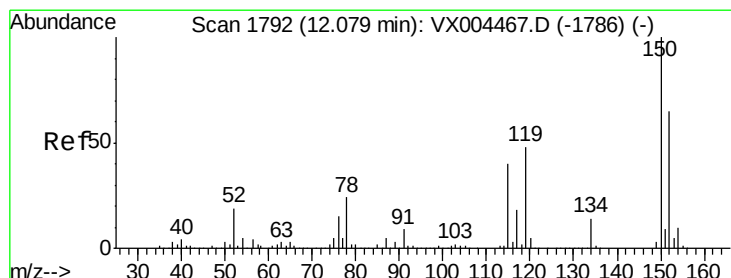
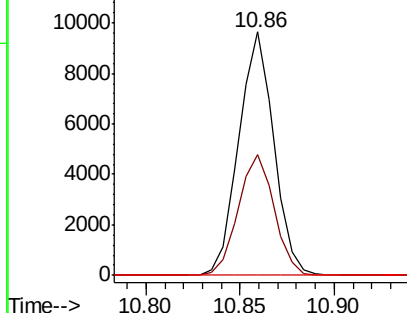
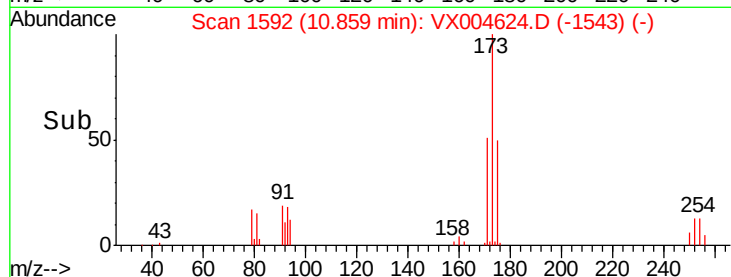
9/18/2018 5:51:18 PM



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: VX004624.D

Acq: 17 Sep 2018 17:45

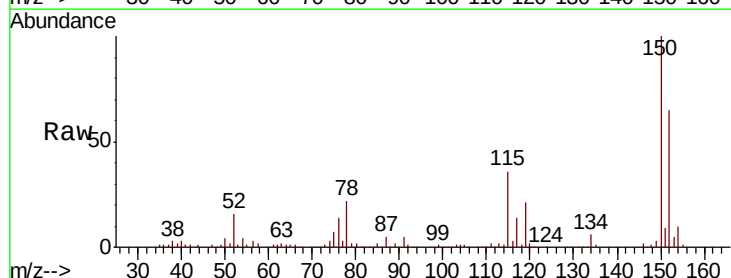
Tgt Ion:152 Resp: 48851

Ion Ratio Lower Upper

152 100

115 66.6 39.0 117.0

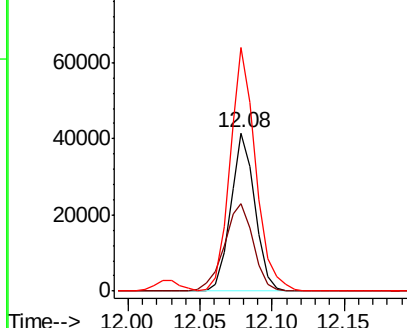
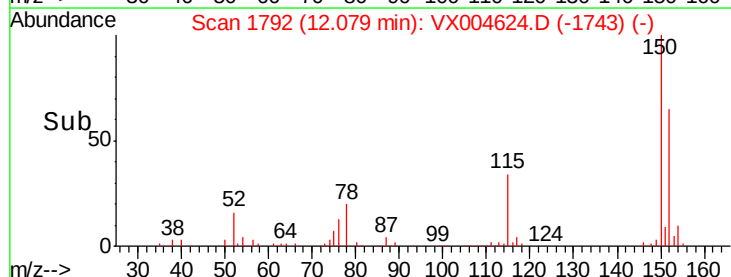
150 162.9 0.0 351.0

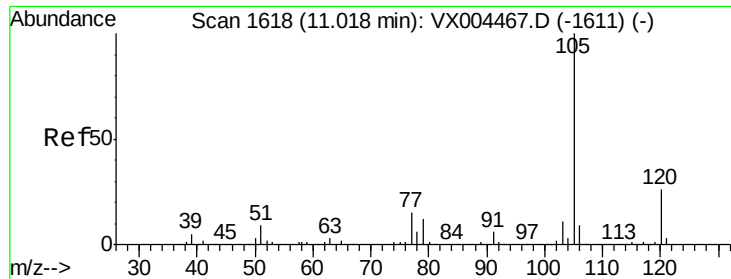


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 26.15 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX004624.D

Acq: 17 Sep 2018 17:45

Instrument :

MSVOA_X

ClientSampleId :

VX0917WBSD01

Tot Ion:105 Resp: 84120

Ion Ratio Lower Upper

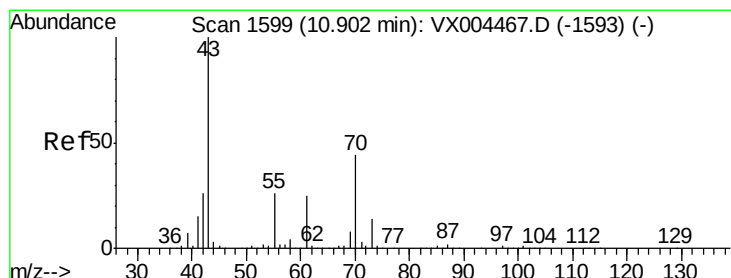
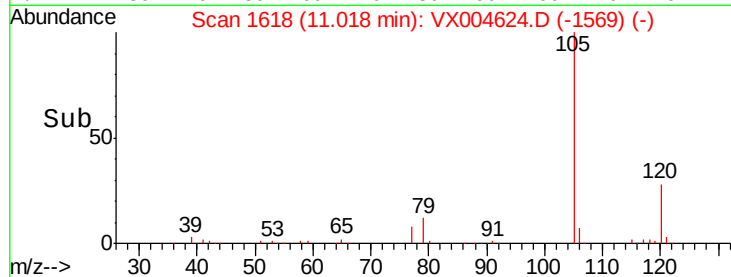
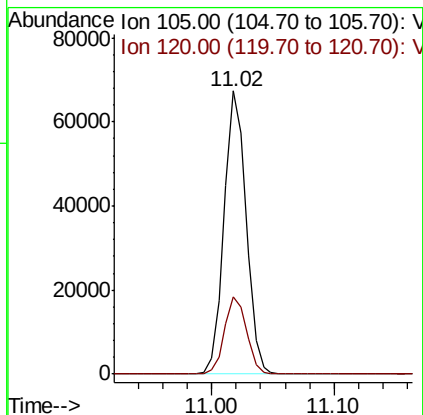
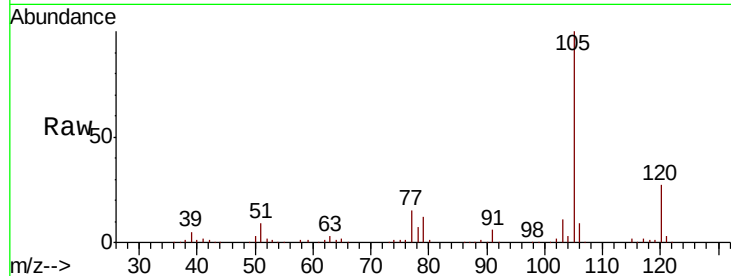
105 100

120 27.4 13.5 40.4

Manual Integrations
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#74

N-ethyl acetate

Concen: 20.96 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VX004624.D

Acq: 17 Sep 2018 17:45

Tgt Ion: 43 Resp: 28390

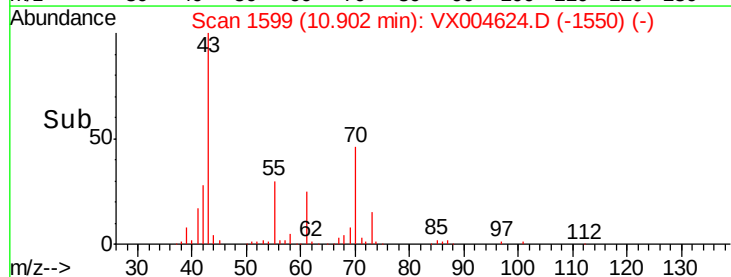
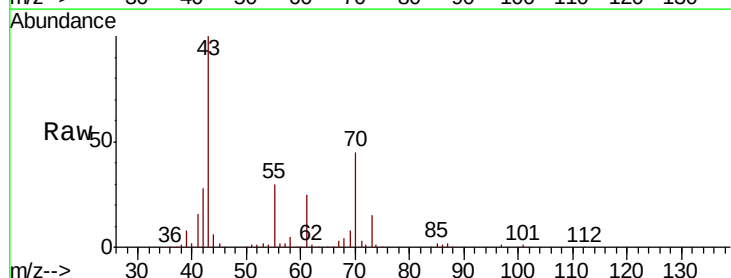
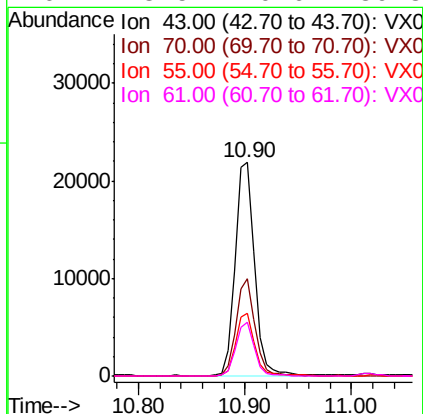
Ion Ratio Lower Upper

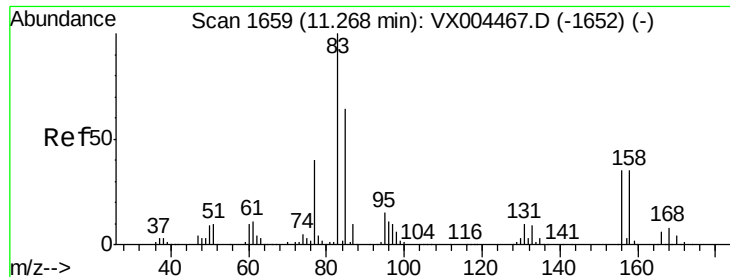
43 100

70 43.9 37.4 56.0

55 28.4 21.8 32.8

61 23.5 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 25.53 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX004624.D

Acq: 17 Sep 2018 17:45

Instrument :

MSVOA_X

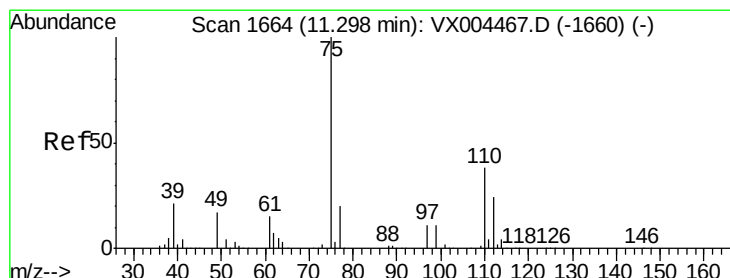
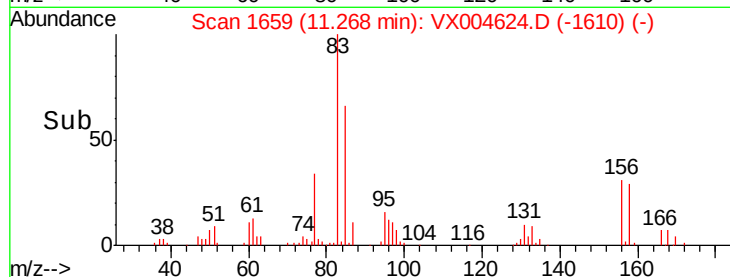
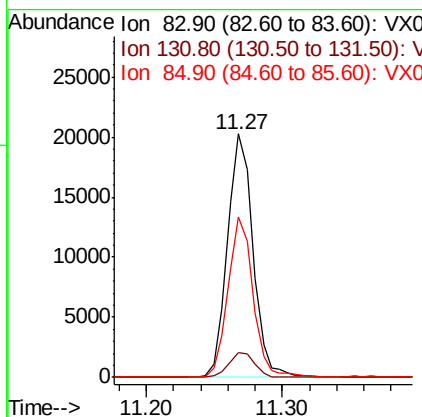
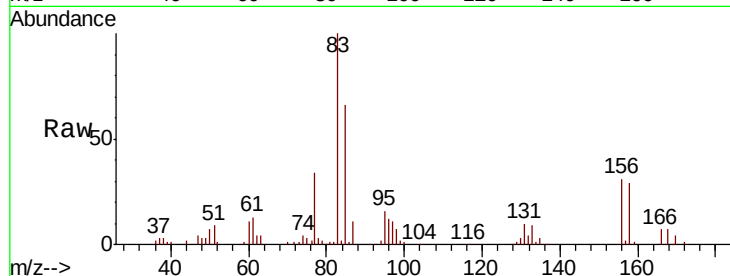
ClientSampleId :

VX0917WBSD01

Tot Ion:	83	Resp:	26497
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.2	15.6
85	64.5	32.3	96.8

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#76

1,2,3-Trichloropropane

Concen: 27.87 ug/l m

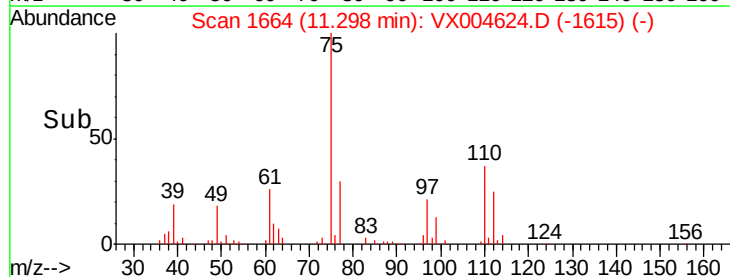
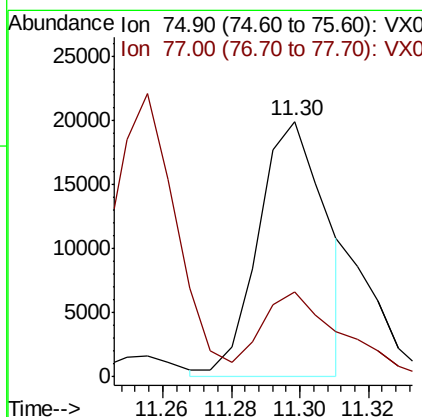
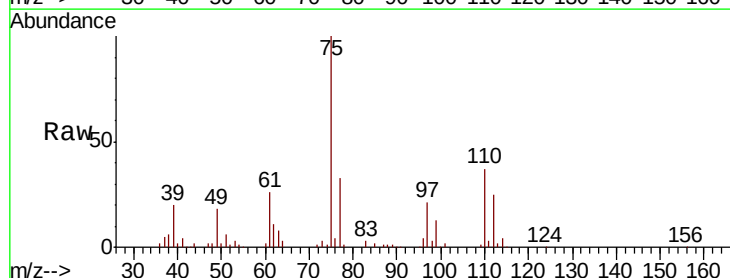
RT: 11.30 min Scan# 1664

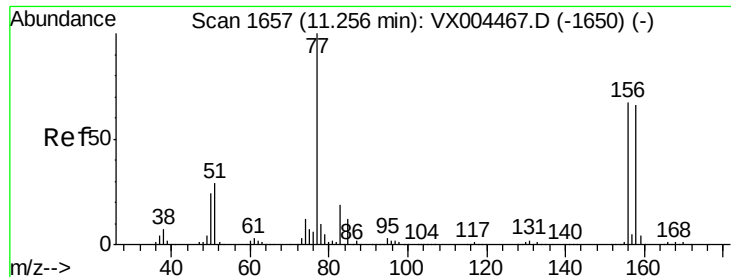
Delta R.T. -0.00 min

Lab File: VX004624.D

Acq: 17 Sep 2018 17:45

Tgt Ion:	75	Resp:	27394
Ion Ratio	Lower	Upper	
75	100		
77	39.2	20.2	60.6





#77

Bromobenzene

Concen: 21.80 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX004624.D

Acq: 17 Sep 2018 17:45

Instrument :

MSVOA_X

ClientSampleId :

VX0917WBSD01

Tot Ion:156 Resp: 19386

Ion Ratio Lower Upper

156 100

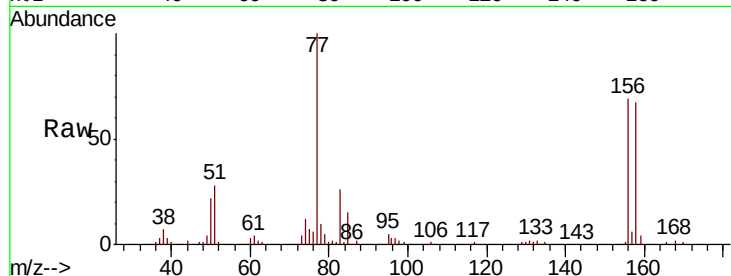
77 148.4 71.5 214.3

158 99.1 48.9 146.8

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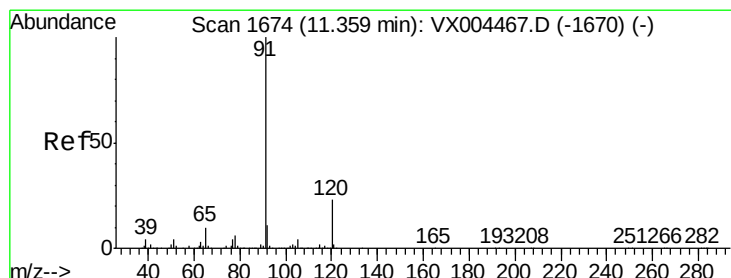
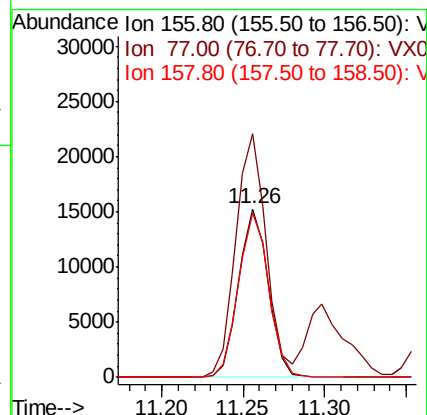
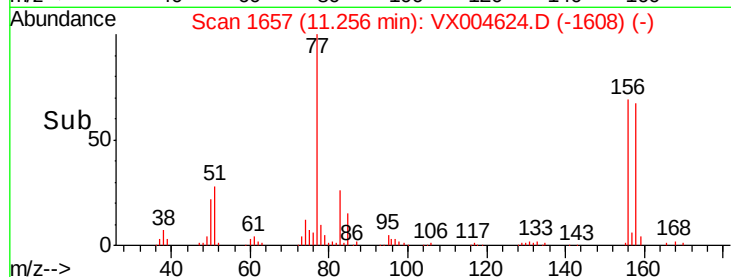
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 25.46 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX004624.D

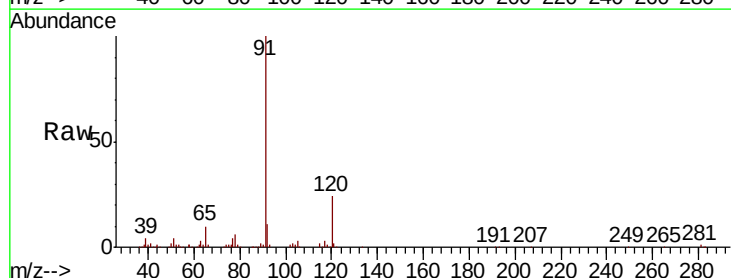
Acq: 17 Sep 2018 17:45

Tgt Ion: 91 Resp: 94197

Ion Ratio Lower Upper

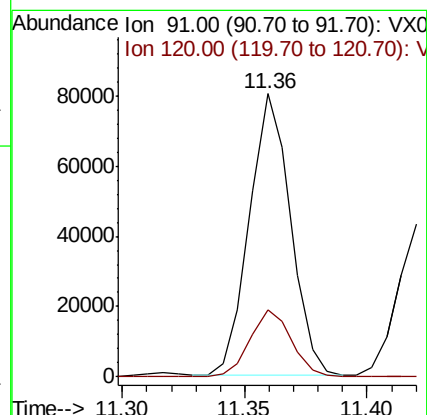
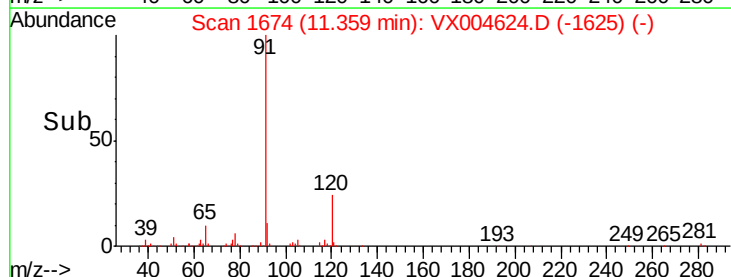
91 100

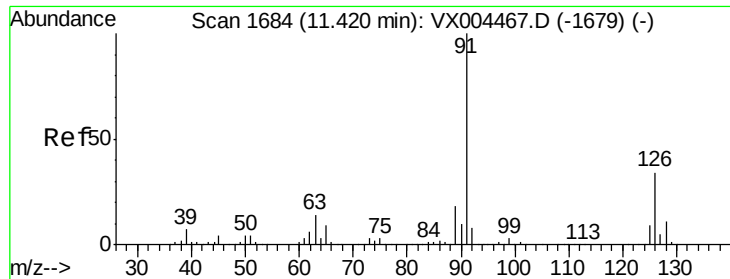
120 23.9 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 23.84 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX004624.D

Acq: 17 Sep 2018 17:45

Instrument :

MSVOA_X

ClientSampleId :

VX0917WBSD01

Tot Ion: 91 Resp: 53488

Ion Ratio Lower Upper

91 100

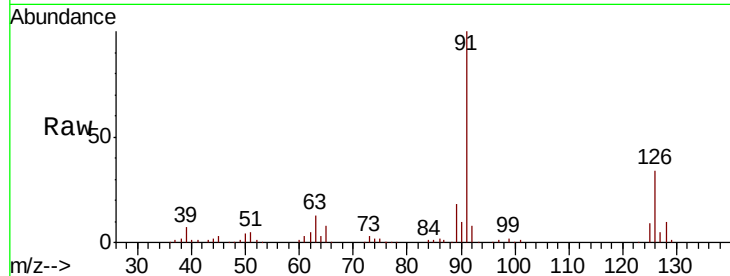
126 35.8 17.9 53.7

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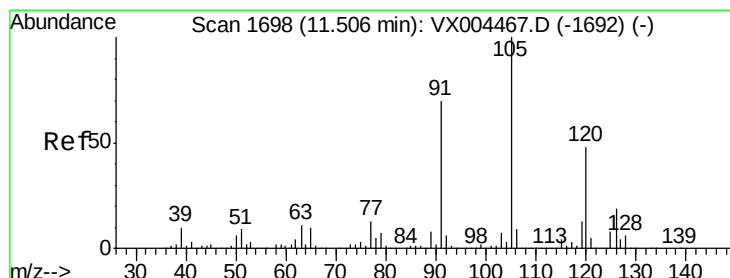
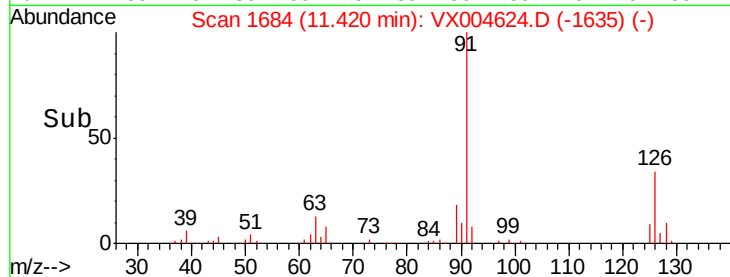
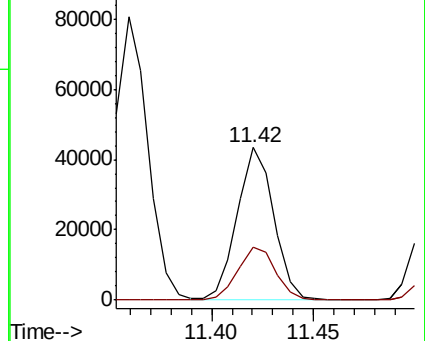
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Abundance Ion 91.00 (90.70 to 91.70): VX004467.D (-1679) (-)

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



#80

1,3,5-Trimethylbenzene

Concen: 24.56 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX004624.D

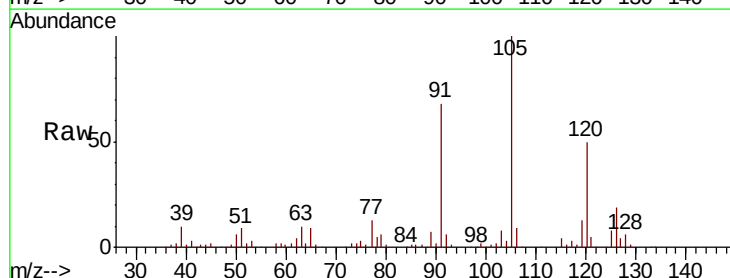
Acq: 17 Sep 2018 17:45

Tgt Ion:105 Resp: 66423

Ion Ratio Lower Upper

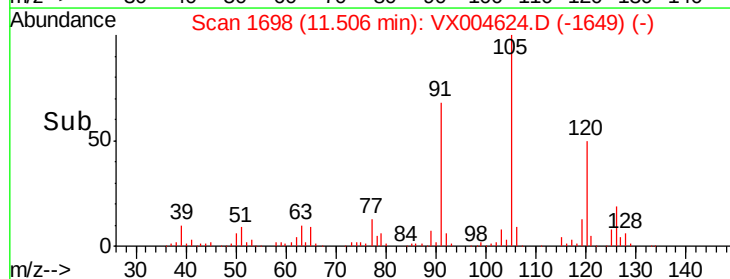
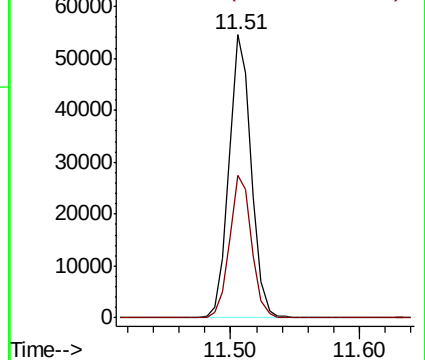
105 100

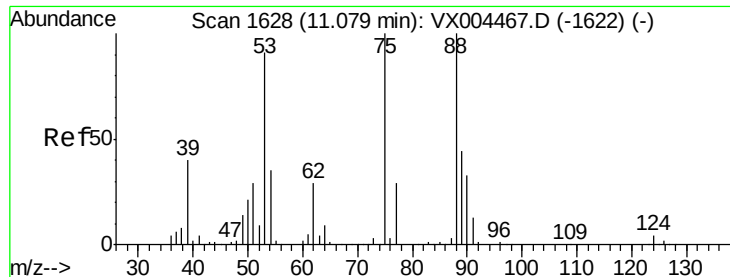
120 49.9 25.6 76.8



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

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





#81

trans-1,4-Dichloro-2-butene

Concen: 24.62 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.01 min

Lab File: VX004624.D

Acq: 17 Sep 2018 17:45

Instrument :

MSVOA_X

ClientSampleId :

VX0917WBSD01

Tot Ion: 75 Resp: 7590

Ion Ratio Lower Upper

75 100

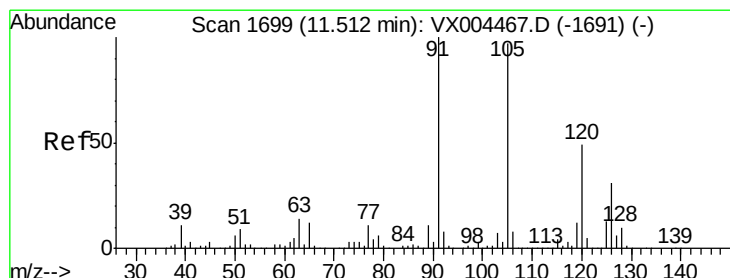
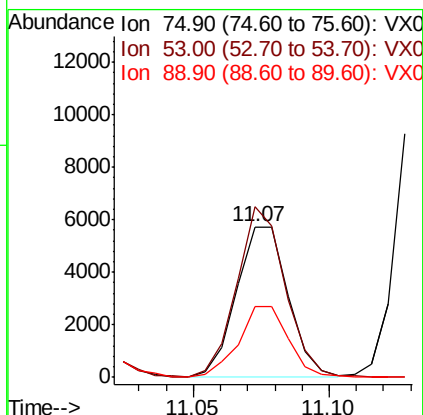
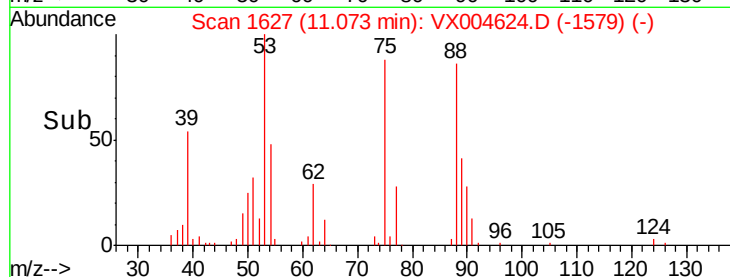
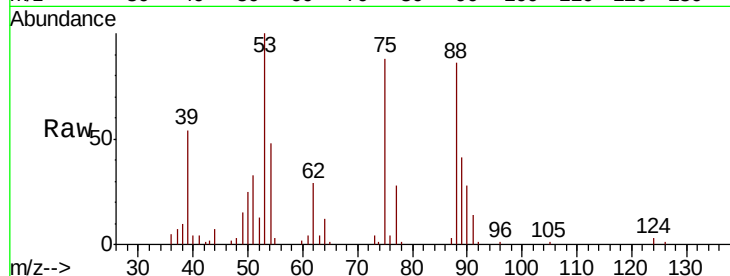
53 106.1 80.1 120.1

89 45.0 37.2 55.8

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#82

4-Chlorotoluene

Concen: 21.87 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX004624.D

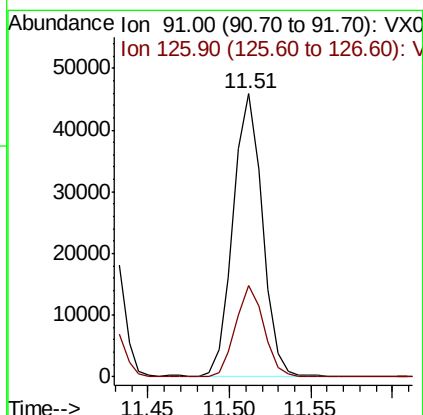
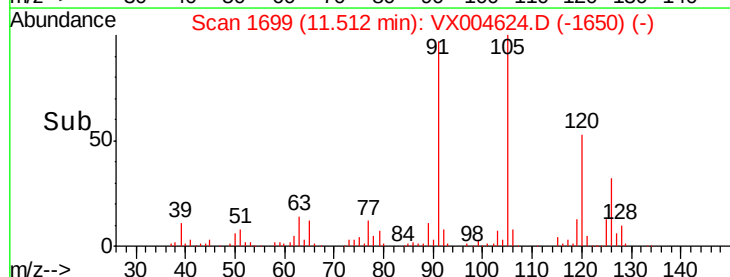
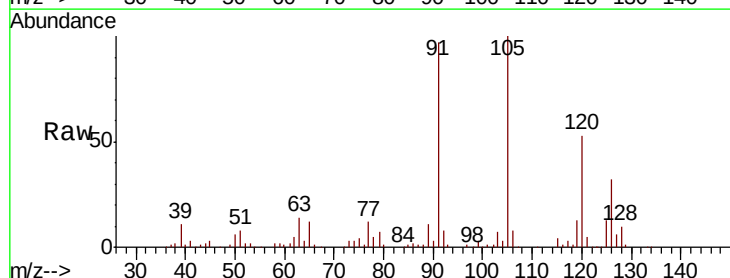
Acq: 17 Sep 2018 17:45

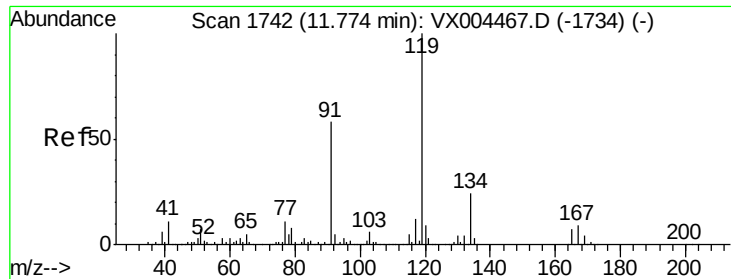
Tgt Ion: 91 Resp: 57256

Ion Ratio Lower Upper

91 100

126 31.5 15.5 46.5





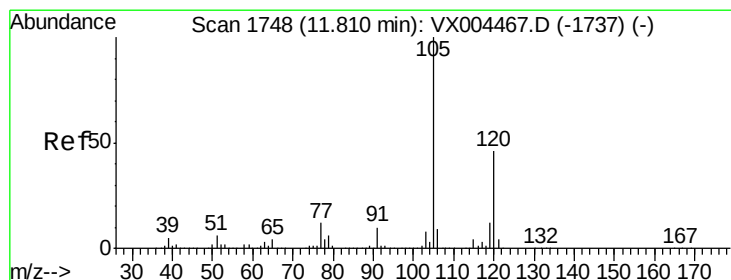
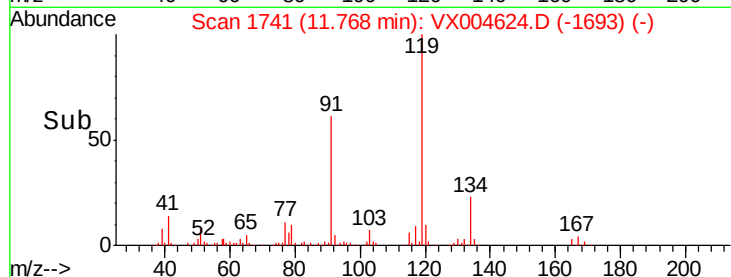
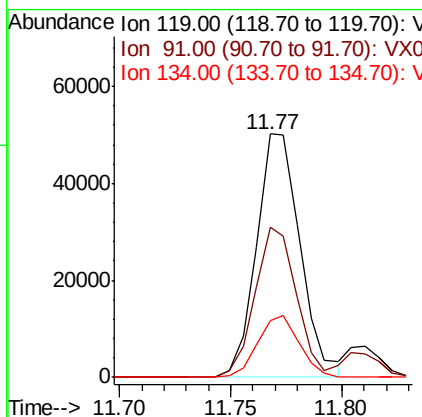
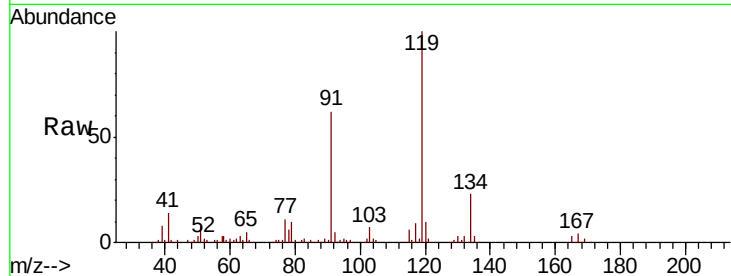
#83
 tert-Butylbenzene
 Concen: 26.68 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.01 min
 Lab File: VX004624.D
 Acq: 17 Sep 2018 17:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0917WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	68688		
91	58.2		27.0	81.0
134	24.2		11.7	35.1

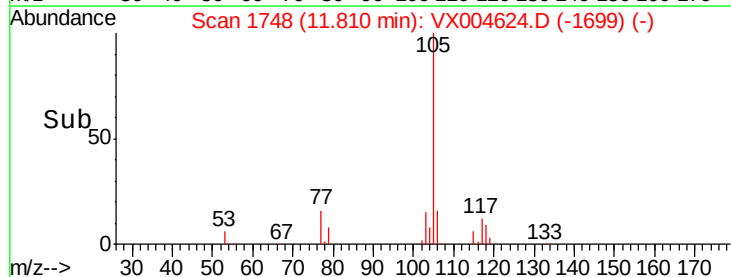
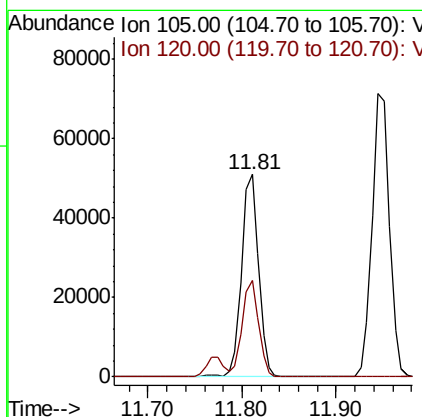
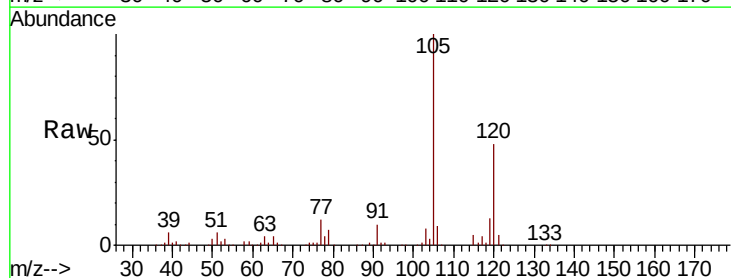
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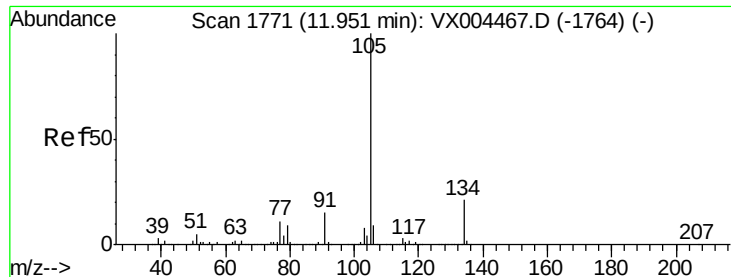
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#84
 1,2,4-Trimethylbenzene
 Concen: 23.41 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX004624.D
 Acq: 17 Sep 2018 17:45

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	64651		
120	46.0		23.2	69.6





#85

sec-Butylbenzene

Concen: 27.98 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004624.D

Acq: 17 Sep 2018 17:45

Instrument :

MSVOA_X

ClientSampleId :

VX0917WBSD01

Tot Ion:105 Resp: 91794

Ion Ratio Lower Upper

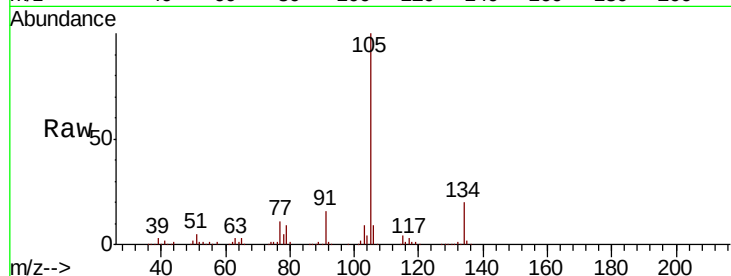
105 100

134 20.7 10.5 31.5

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

80000

60000

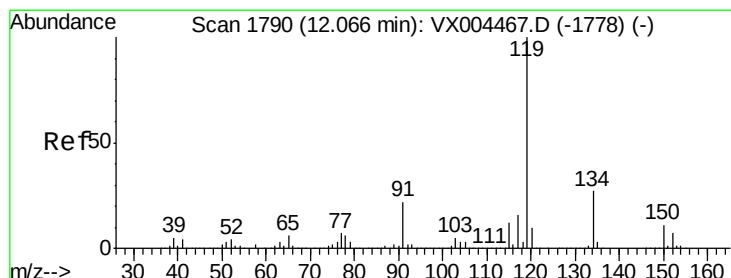
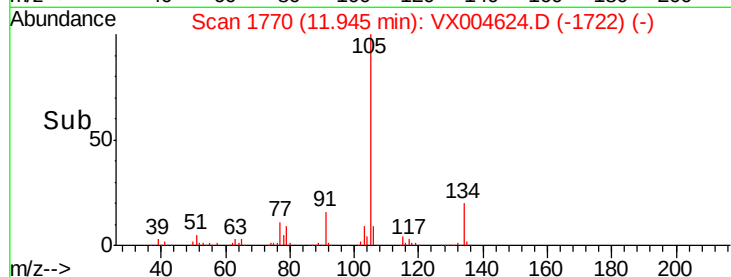
40000

20000

0

Time-->

11.90 12.00



#86

p-Isopropyltoluene

Concen: 25.96 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX004624.D

Acq: 17 Sep 2018 17:45

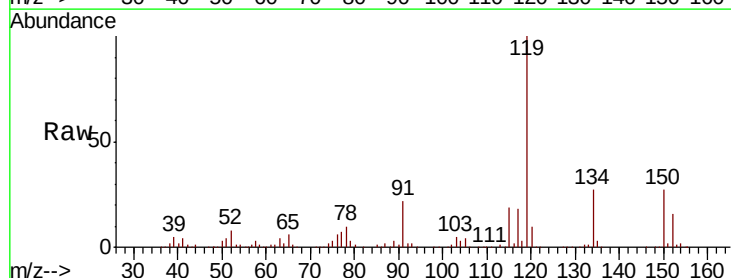
Tgt Ion:119 Resp: 75222

Ion Ratio Lower Upper

119 100

134 26.3 13.4 40.2

91 22.9 10.9 32.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.07

80000

60000

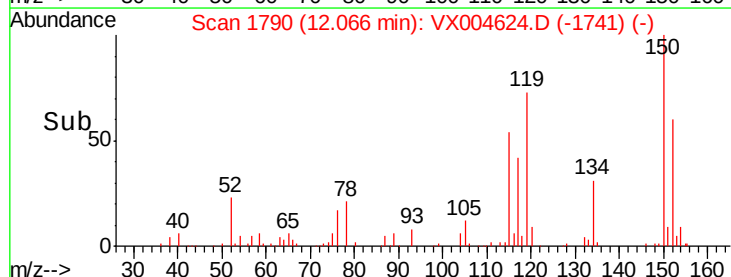
40000

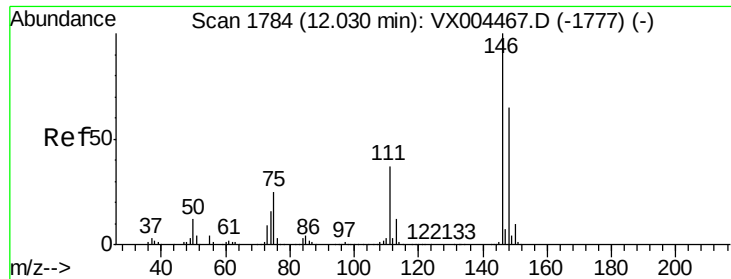
20000

0

Time-->

12.00 12.10





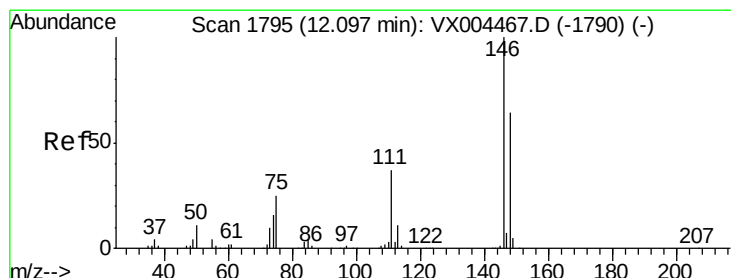
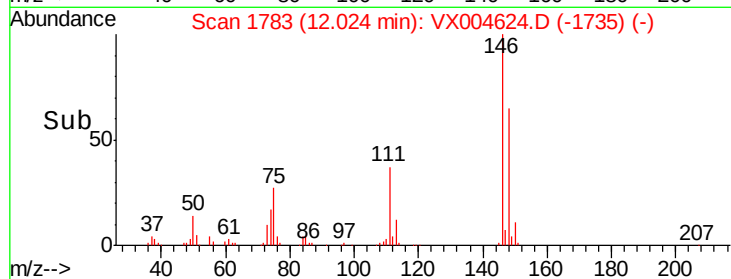
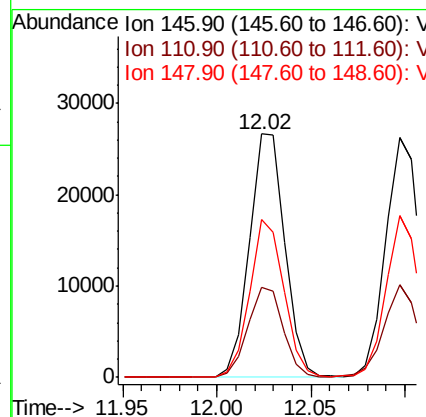
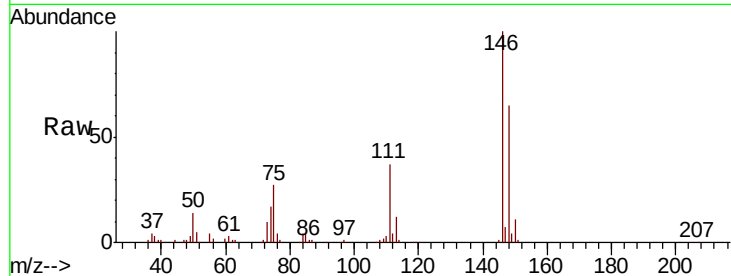
#87
 1,3-Dichlorobenzene
 Concen: 21.07 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: VX004624.D
 Acq: 17 Sep 2018 17:45

Instrument :
 MSVOA_X
 ClientSampled :
 VX0917WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.7	56.1
148	62.1	32.1	96.5

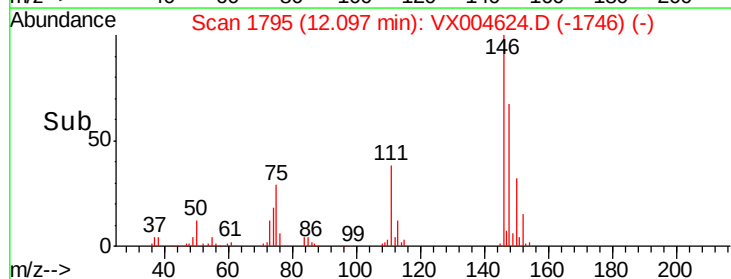
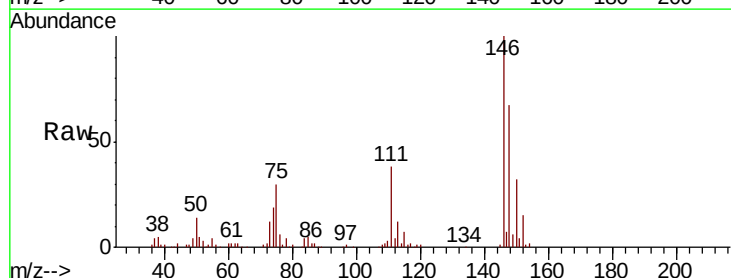
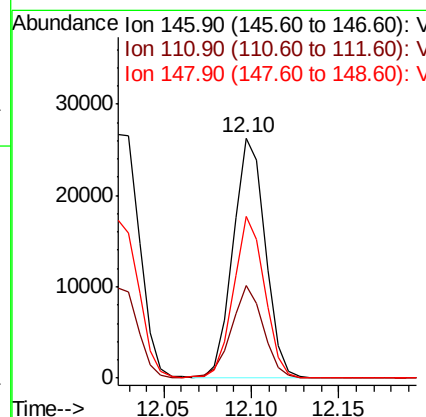
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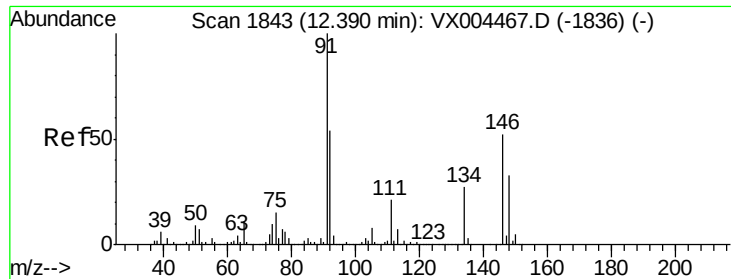
MMDadoda
 9/18/2018 5:51:18 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.67 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX004624.D
 Acq: 17 Sep 2018 17:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.1	54.1
148	65.3	32.0	96.0





#89

n-Butylbenzene

Concen: 23.82 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX004624.D

Acq: 17 Sep 2018 17:45

Instrument :

MSVOA_X

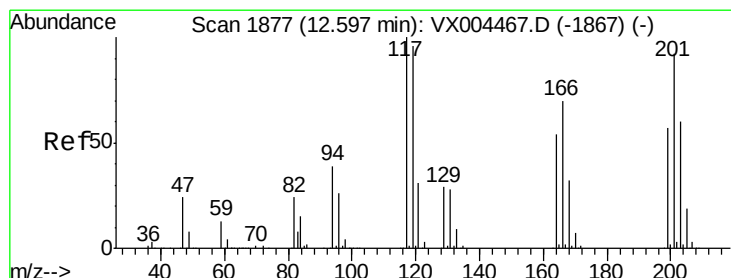
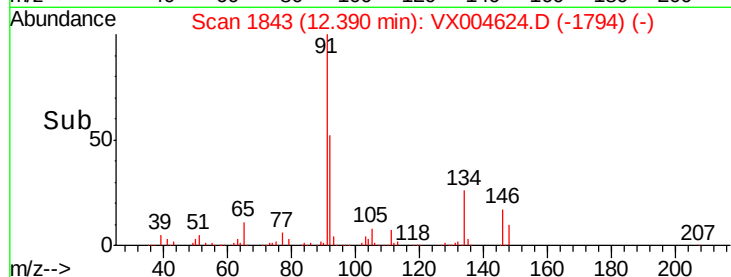
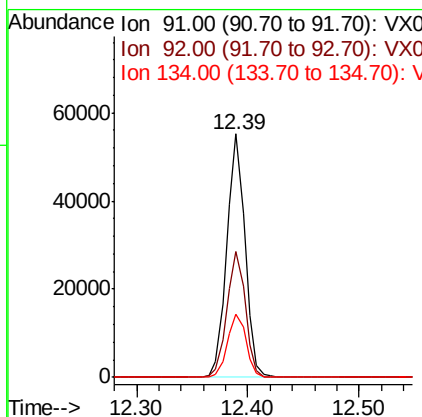
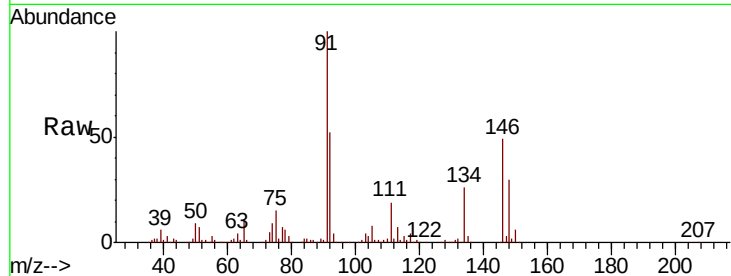
ClientSampleId :

VX0917WBSD01

Tot Ion:	91	Resp:	62908
Ion	Ratio	Lower	Upper
91	100		
92	51.9	27.3	81.9
134	26.5	13.6	40.7

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#90

Hexachloroethane

Concen: 25.17 ug/l

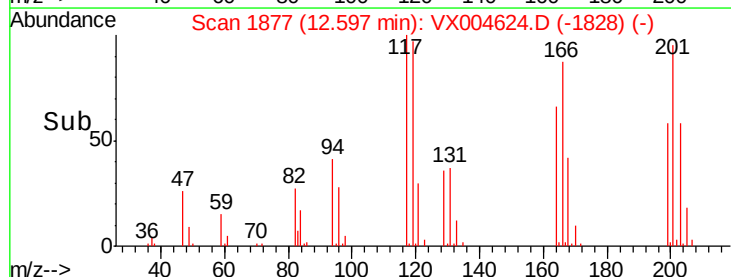
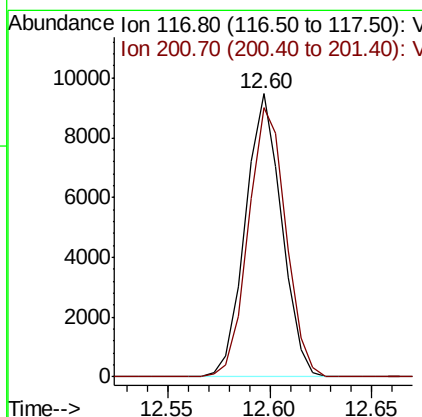
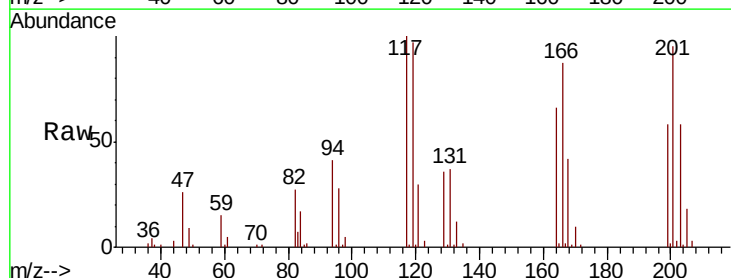
RT: 12.60 min Scan# 1877

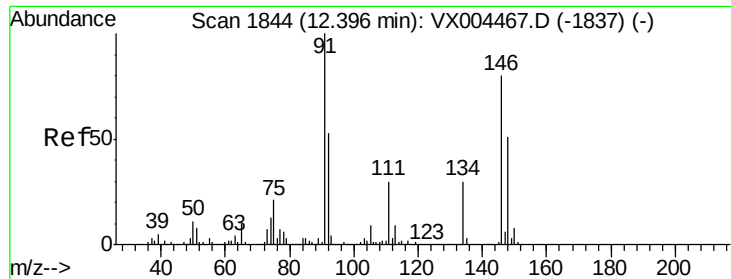
Delta R.T. -0.00 min

Lab File: VX004624.D

Acq: 17 Sep 2018 17:45

Tgt Ion:	117	Resp:	11677
Ion	Ratio	Lower	Upper
117	100		
201	98.6	46.9	140.6





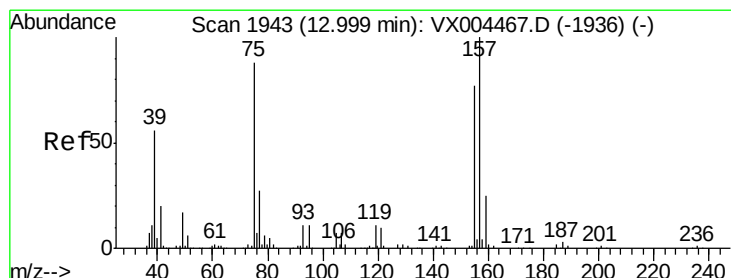
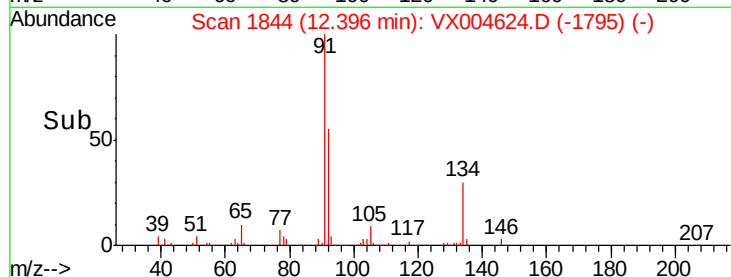
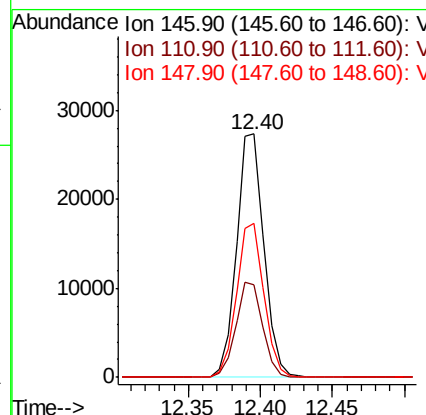
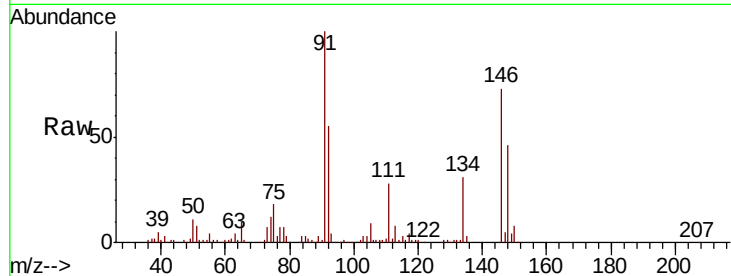
#91
 1,2-Dichlorobenzene
 Concen: 21.67 ug/l
 RT: 12.40 min Scan# 1844
 Delta R.T. -0.00 min
 Lab File: VX004624.D
 Acq: 17 Sep 2018 17:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0917WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.4	58.1
148	63.2	32.8	98.3

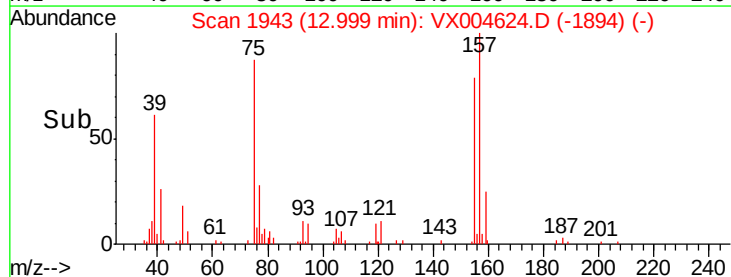
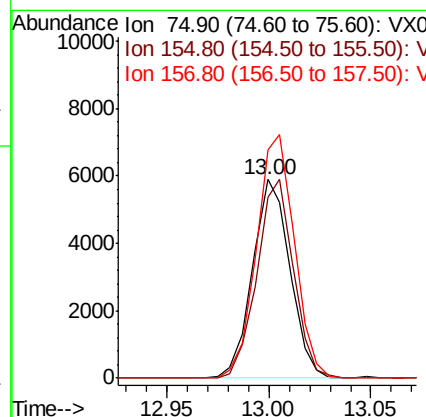
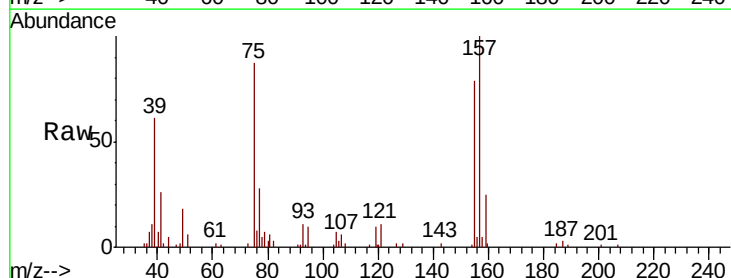
Manual Integrations
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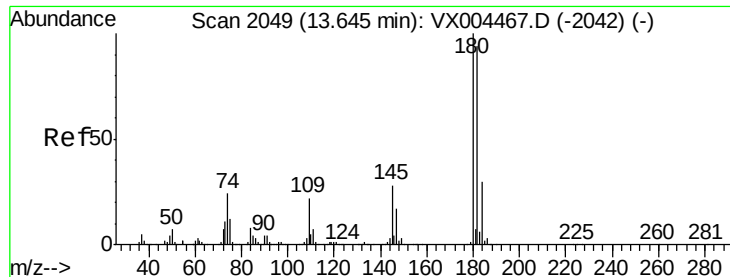
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 33.98 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX004624.D
 Acq: 17 Sep 2018 17:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.4	48.0	144.2
157	124.3	61.4	184.1





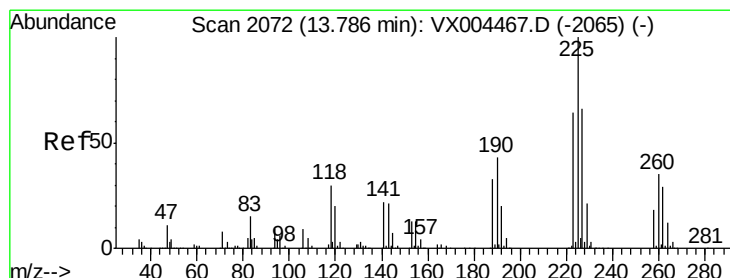
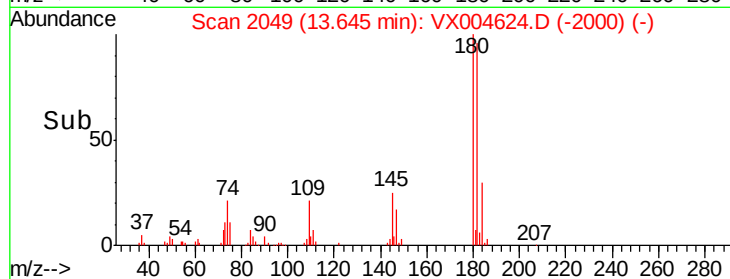
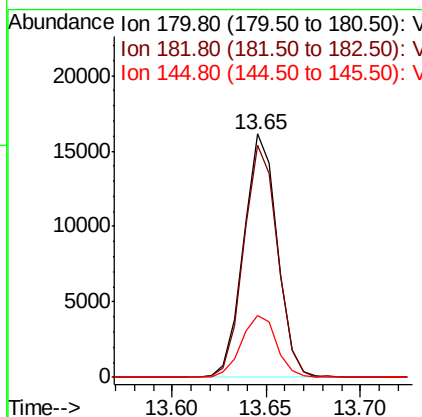
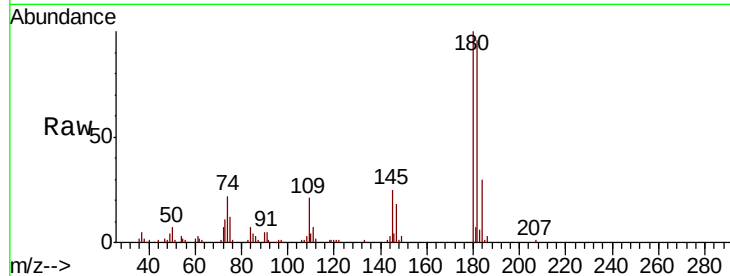
#93
 1,2,4-Trichlorobenzene
 Concen: 16.77 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX004624.D
 Acq: 17 Sep 2018 17:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0917WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	19938		
182	95.8	48.4	145.0	
145	26.5	14.3	42.9	

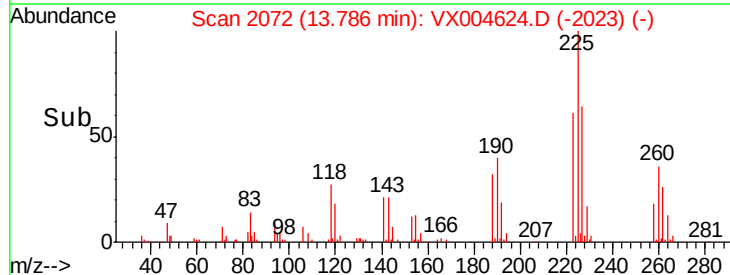
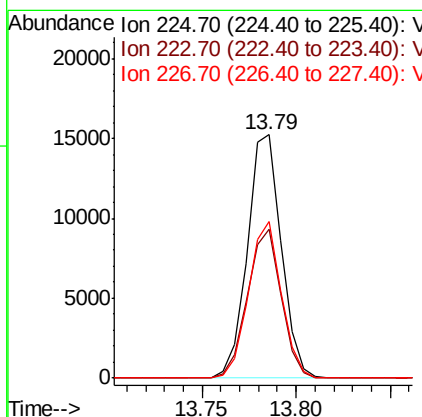
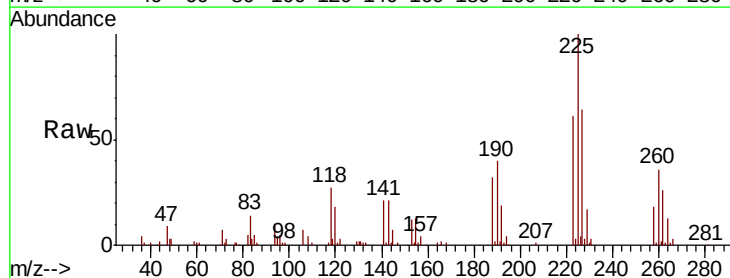
Manual Integrations
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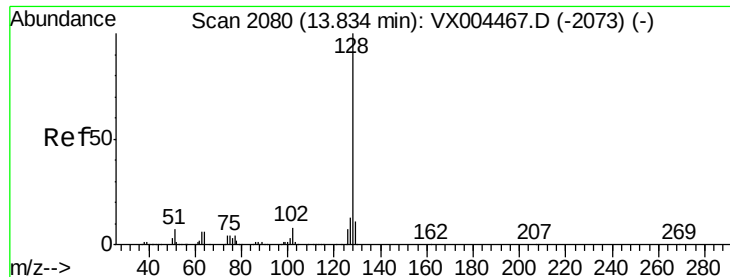
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#94
 Hexachlorobutadiene
 Concen: 30.63 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX004624.D
 Acq: 17 Sep 2018 17:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	19022		
223	60.8	30.1	90.5	
227	62.3	30.8	92.4	





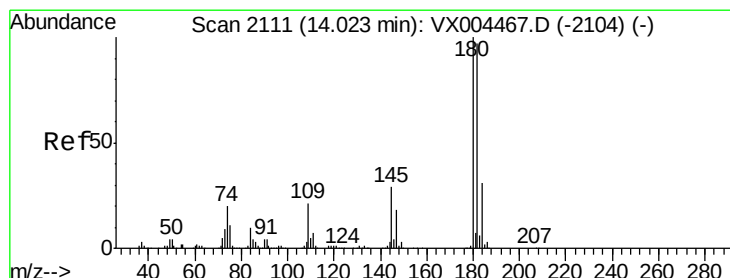
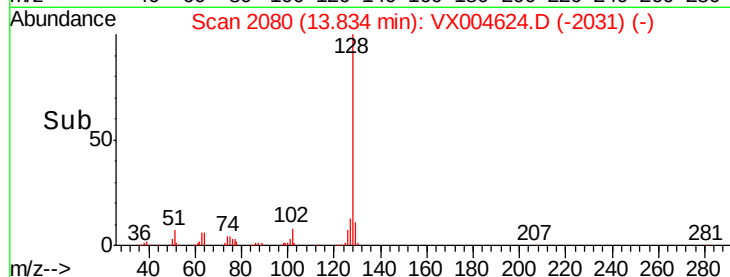
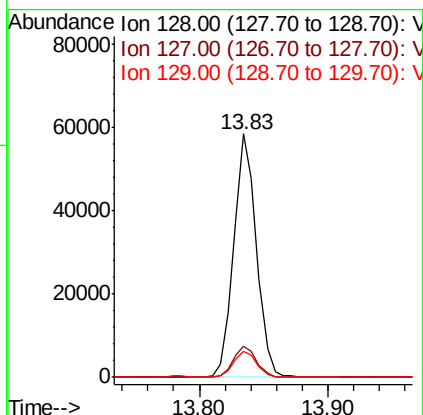
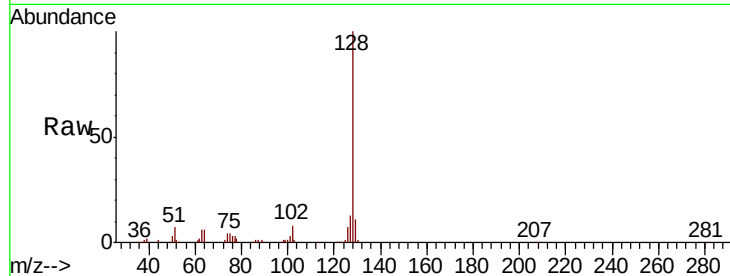
#95
Naphthalene
Concen: 21.62 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX004624.D
Acq: 17 Sep 2018 17:45

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	72120		
127	13.1		10.2	15.2
129	10.7		8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 18.15 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX004624.D
Acq: 17 Sep 2018 17:45

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	22167		
182	96.0		48.5	145.6
145	28.7		14.9	44.9

