

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091818\
 Data File : VX004653.D
 Acq On : 18 Sep 2018 13:09
 Operator : JC/MD
 Sample : VX0918WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBSD01

Manual Integrations
 APPROVED

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 9/19/2018 12:51:14 PM

Quant Time: Sep 18 15:48:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	82079	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	113125	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	95780	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	52305	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	48430	45.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.52%	
35) Dibromofluoromethane	5.50	113	41360	39.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.90%	
50) Toluene-d8	8.71	98	163659	47.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.28%	
62) 4-Bromofluorobenzene	11.14	95	52068	42.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	17595	22.873	ug/l	98
3) Chloromethane	1.32	50	20790	19.638	ug/l #	88
4) Vinyl Chloride	1.40	62	22224	20.454	ug/l	98
5) Bromomethane	1.63	94	10944	23.427	ug/l	93
6) Chloroethane	1.70	64	12896	18.353	ug/l	97
7) Trichlorofluoromethane	1.92	101	32084	22.274	ug/l	89
8) Diethyl Ether	2.18	74	12509	19.371	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.37	101	21611	23.650	ug/l	99
10) Methyl Iodide	2.50	142	14339	16.266	ug/l	98
11) Tert butyl alcohol	3.09	59	49870	197.479	ug/l	99
12) 1,1-Dichloroethene	2.37	96	17910	20.883	ug/l	95
13) Acrolein	2.30	56	9562	95.921	ug/l	91
14) Allyl chloride	2.72	41	37168	21.080	ug/l	90
15) Acrylonitrile	3.15	53	94855	155.978	ug/l	99
16) Acetone	2.45	43	84852	164.268	ug/l	98
17) Carbon Disulfide	2.56	76	47769	19.270	ug/l	99
18) Methyl Acetate	2.78	43	46321	31.963	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	54937	18.256	ug/l	97
20) Methylene Chloride	2.85	84	19334	18.246	ug/l	96
21) trans-1,2-Dichloroethene	3.15	96	18399	19.415	ug/l	90
22) Diisopropyl ether	3.87	45	58325	18.367	ug/l	94
23) Vinyl Acetate	3.82	43	238793	92.922	ug/l	99
24) 1,1-Dichloroethane	3.69	63	33530	18.702	ug/l	98
25) 2-Butanone	4.70	43	131524	159.987	ug/l	92
26) 2,2-Dichloropropane	4.58	77	26813	21.774	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	19869	18.781	ug/l	97
28) Bromochloromethane	5.02	49	13804	16.832	ug/l	96
29) Tetrahydrofuran	5.16	42	78698	158.739	ug/l	97
30) Chloroform	5.21	83	31815	18.176	ug/l	95
31) Cyclohexane	5.57	56	33418	21.829	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	27971	19.841	ug/l	99
36) 1,1-Dichloropropene	5.79	75	24977	18.186	ug/l	98
37) Ethyl Acetate	4.86	43	37519	24.020	ug/l	99
38) Carbon Tetrachloride	5.78	117	24854	18.528	ug/l	97

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 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
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 ClientSampleID :
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Manual Integrations
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Quant Time: Sep 18 15:48:19 2018
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 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	34168	23.841	ug/l	90
40) Benzene	6.14	78	74862	18.371	ug/l	100
41) Methacrylonitrile	5.06	41	19565	22.733	ug/l	99
42) 1,2-Dichloroethane	6.20	62	22722	16.812	ug/l	100
43) Isopropyl Acetate	6.47	43	44609	21.502	ug/l	99
44) Trichloroethene	7.21	130	20792	19.640	ug/l	93
45) 1,2-Dichloropropane	7.52	63	17938	18.294	ug/l	100
46) Dibromomethane	7.66	93	10547	17.026	ug/l	96
47) Bromodichloromethane	7.90	83	19858	16.952	ug/l	99
48) Methyl methacrylate	7.78	41	20561	20.025	ug/l	98
49) 1,4-Dioxane	7.76	88	20448	841.439	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	172575	117.871	ug/l	97
52) Toluene	8.79	92	44008	18.330	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	20295	14.831	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	23158	16.601	ug/l	94
55) 1,1,2-Trichloroethane	9.22	97	16845	16.295	ug/l	99
56) Ethyl methacrylate	9.18	69	23313	15.941	ug/l	98
57) 1,3-Dichloropropane	9.37	76	28201	16.790	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	61001	86.761	ug/l	97
59) 2-Hexanone	9.50	43	148050	131.832	ug/l	96
60) Dibromochloromethane	9.59	129	15487	15.913	ug/l	98
61) 1,2-Dibromoethane	9.68	107	17178	17.395	ug/l	99
64) Tetrachloroethene	9.34	164	25172	21.050	ug/l	97
65) Chlorobenzene	10.14	112	46149	19.398	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	16204	19.751	ug/l	99
67) Ethyl Benzene	10.26	91	78352	20.254	ug/l	97
68) m/p-Xylenes	10.36	106	59886	40.188	ug/l	97
69) o-Xylene	10.70	106	28746	20.065	ug/l	100
70) Styrene	10.71	104	43613	18.376	ug/l	98
71) Bromoform	10.86	173	12606	18.713	ug/l #	97
73) Isopropylbenzene	11.02	105	84092	24.412	ug/l	100
74) N-amyl acetate	10.90	43	29766	20.530	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	26236	23.612	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	28560m	27.140	ug/l	
77) Bromobenzene	11.26	156	20318	21.339	ug/l	99
78) n-propylbenzene	11.36	91	93524	23.613	ug/l	99
79) 2-Chlorotoluene	11.42	91	53281	22.180	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	66534	22.976	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	7851	23.780	ug/l	99
82) 4-Chlorotoluene	11.51	91	59288	21.147	ug/l	99
83) tert-Butylbenzene	11.77	119	67453	24.466	ug/l	95
84) 1,2,4-Trimethylbenzene	11.81	105	65812	22.259	ug/l	99
85) sec-Butylbenzene	11.95	105	90372	25.723	ug/l	99
86) p-Isopropyltoluene	12.07	119	75162	24.227	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	36325	20.448	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	36299	19.775	ug/l	99
89) n-Butylbenzene	12.39	91	63817	22.573	ug/l	97
90) Hexachloroethane	12.60	117	11319	22.790	ug/l	94
91) 1,2-Dichlorobenzene	12.40	146	37832	21.041	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	7690	32.413	ug/l	100

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ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

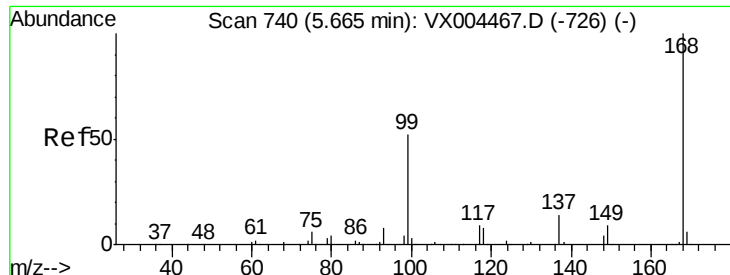
Manual Integrations
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 12 02:17:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	22323	17.534	ug/l	98
94) Hexachlorobutadiene	13.79	225	19286	29.000	ug/l	98
95) Naphthalene	13.83	128	81057	22.700	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	24627	18.828	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX004653.D

Acq: 18 Sep 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

Tgt Ion:168 Resp: 82079

Ion Ratio Lower Upper

168 100

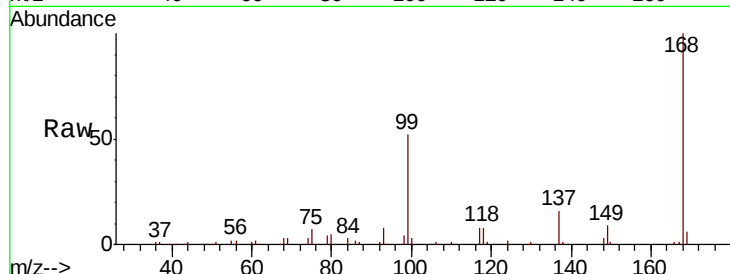
99 52.1 39.9 59.9

Manual Integrations

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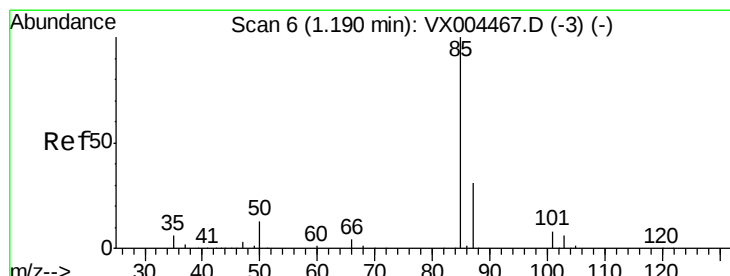
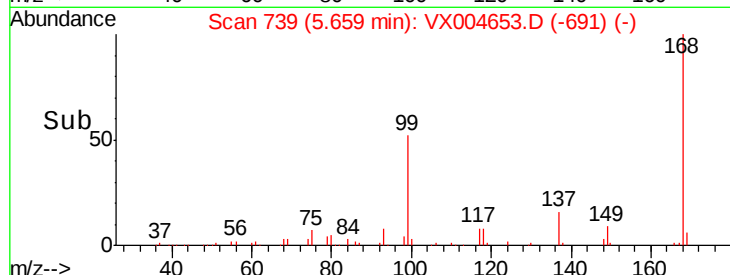
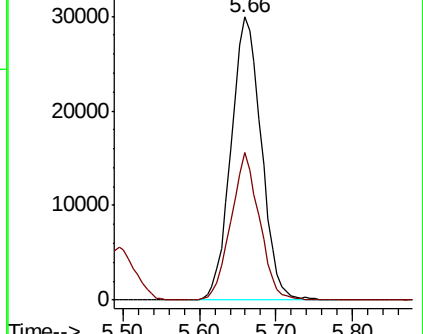
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 22.873 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX004653.D

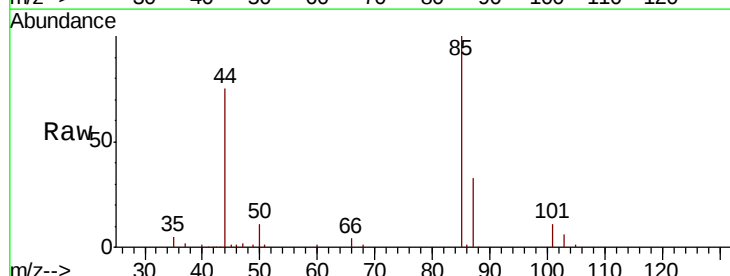
Acq: 18 Sep 2018 13:09

Tgt Ion: 85 Resp: 17595

Ion Ratio Lower Upper

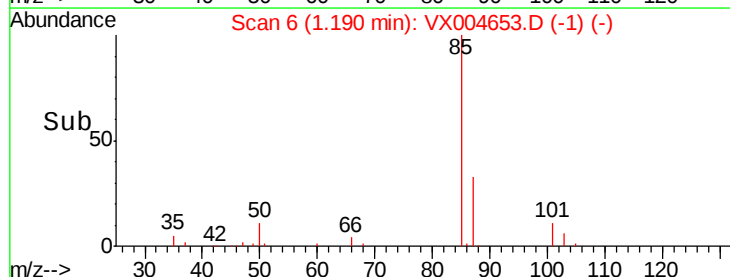
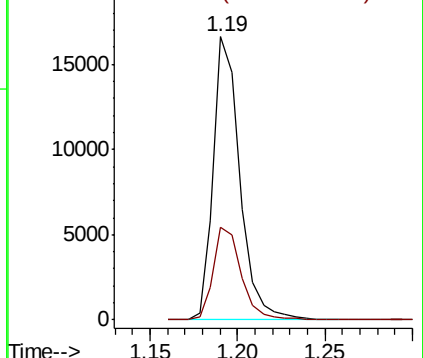
85 100

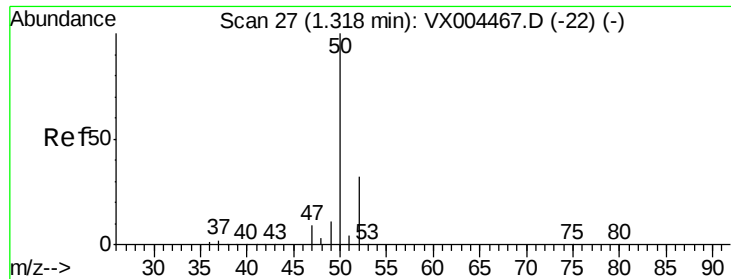
87 32.8 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 19.638 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX004653.D

Acq: 18 Sep 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

Tgt Ion: 50 Resp: 20790

Ion Ratio Lower Upper

50 100

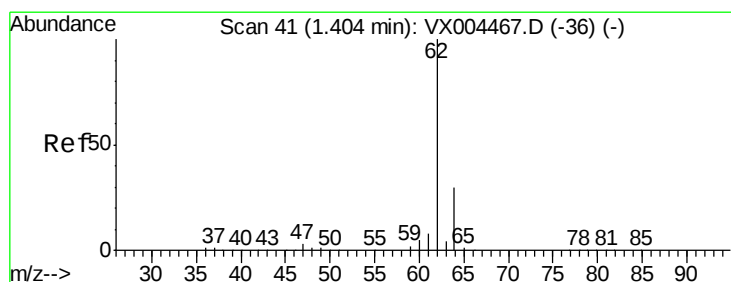
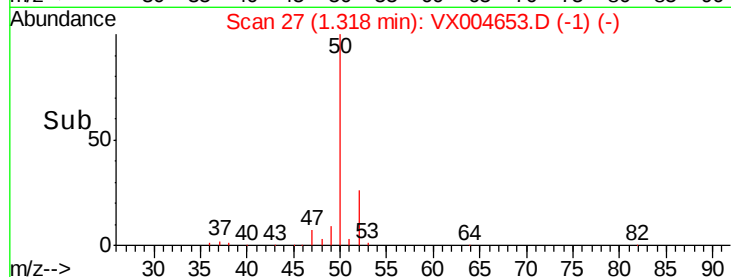
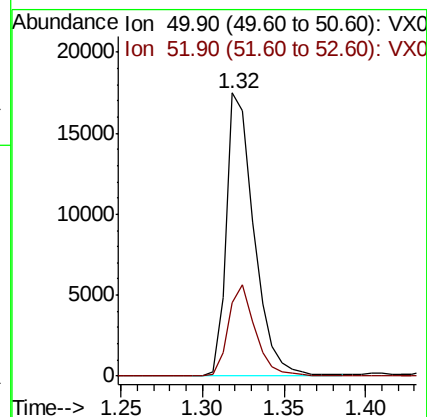
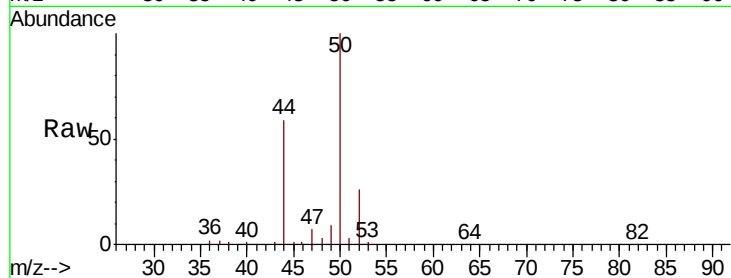
52 25.8 26.2 39.2#

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.454 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX004653.D

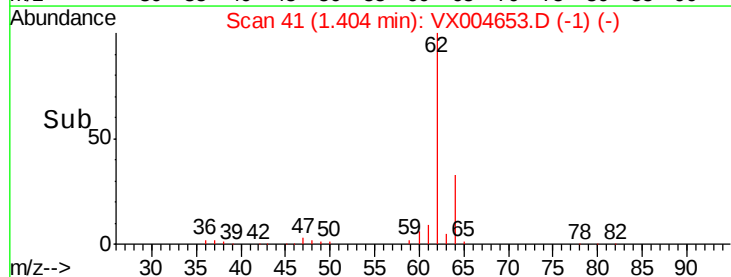
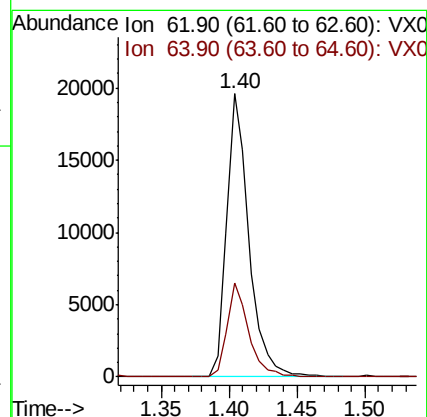
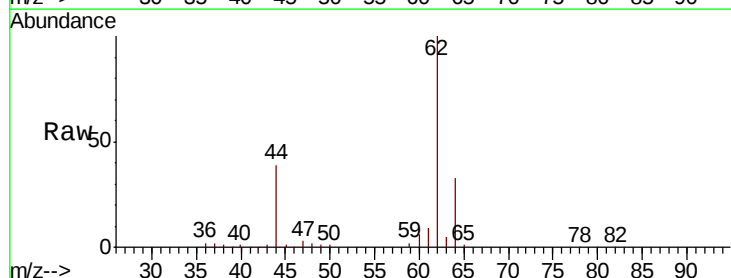
Acq: 18 Sep 2018 13:09

Tgt Ion: 62 Resp: 22224

Ion Ratio Lower Upper

62 100

64 33.3 25.8 38.8





#5

Bromomethane

Concen: 23.427 ug/l

RT: 1.63 min Scan# 78

Delta R.T. -0.01 min

Lab File: VX004653.D

Acq: 18 Sep 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

Tgt Ion: 94 Resp: 10944

Ion Ratio Lower Upper

94 100

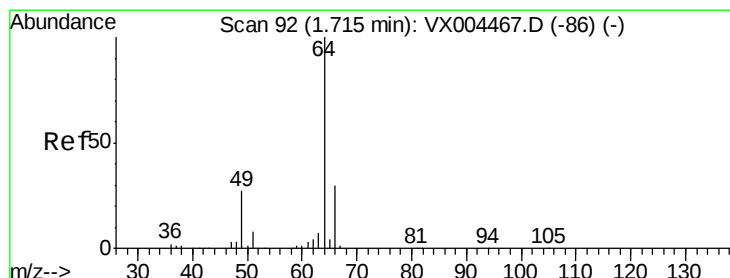
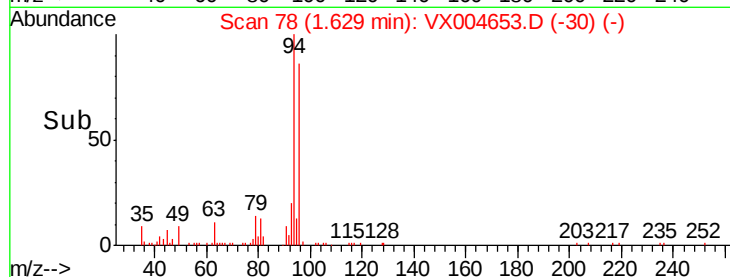
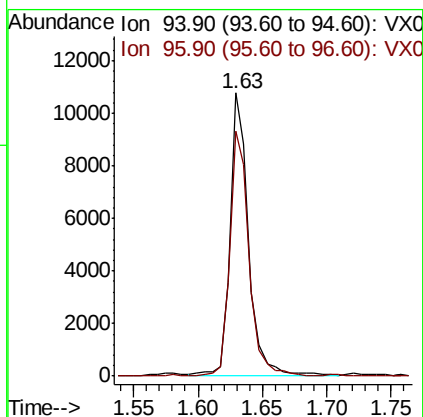
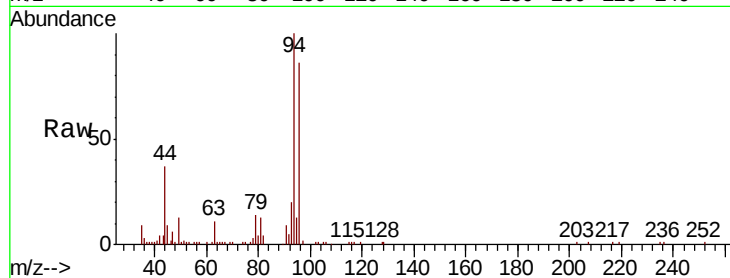
96 86.4 74.5 111.7

Manual Integrations

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#6

Chloroethane

Concen: 18.353 ug/l

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX004653.D

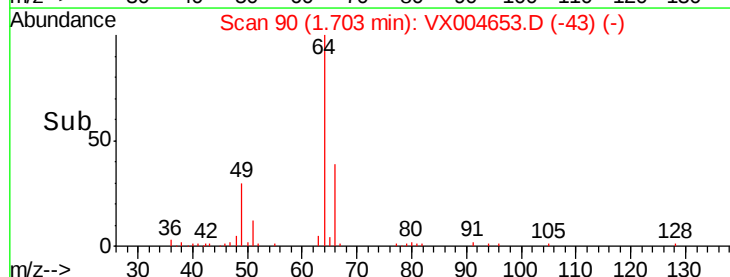
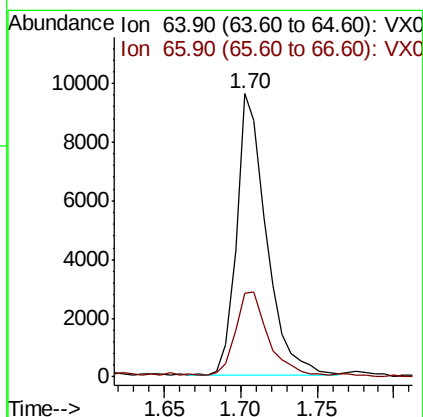
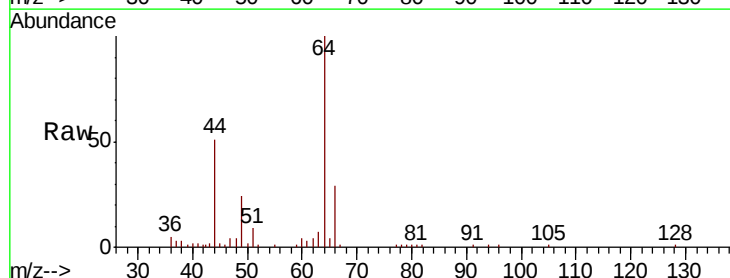
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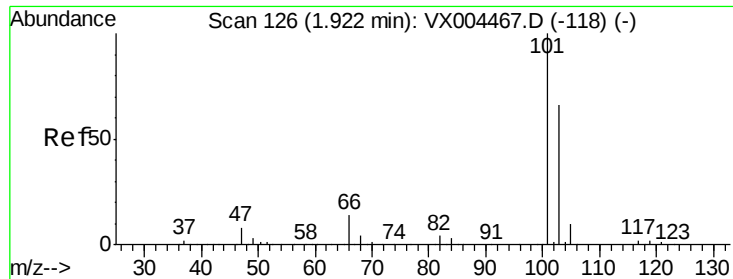
Tgt Ion: 64 Resp: 12896

Ion Ratio Lower Upper

64 100

66 28.8 24.6 36.8





#7

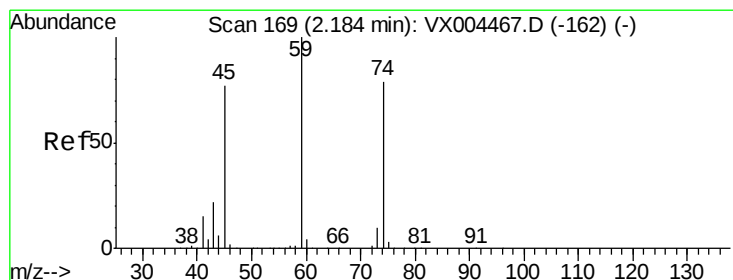
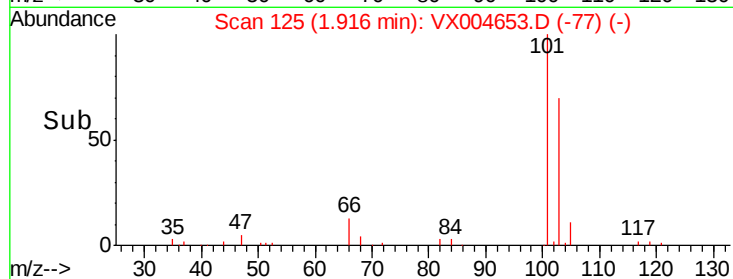
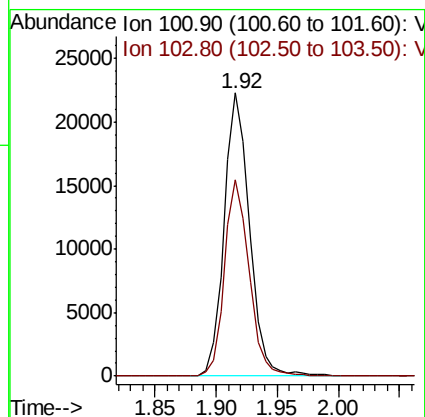
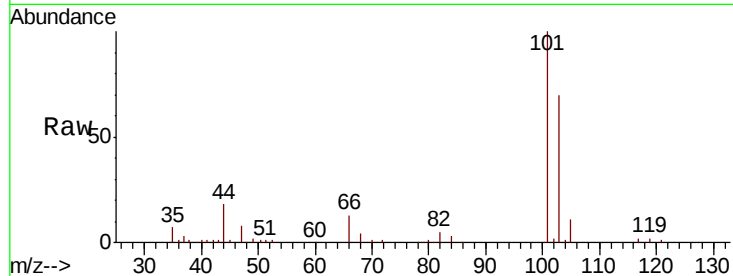
Trichlorofluoromethane
 Concen: 22.274 ug/l
 RT: 1.92 min Scan# 125
 Delta R.T. -0.01 min
 Lab File: VX004653.D
 Acq: 18 Sep 2018 13:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBSD01

Tgt Ion:101 Resp: 32084
 Ion Ratio Lower Upper
 101 100
 103 69.6 48.9 73.3

Manual Integrations
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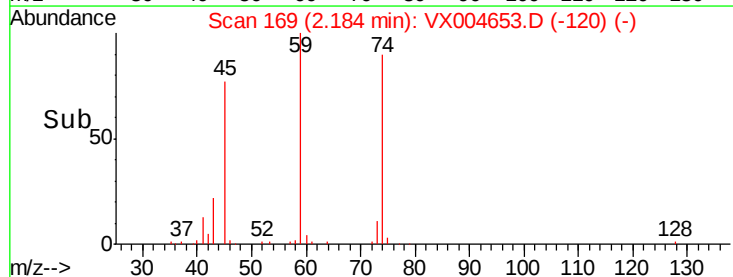
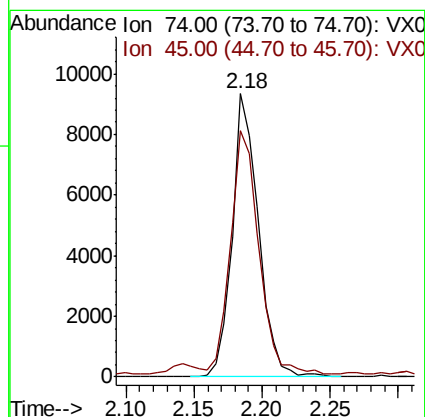
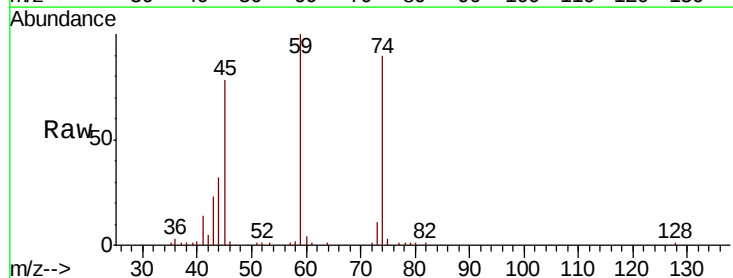
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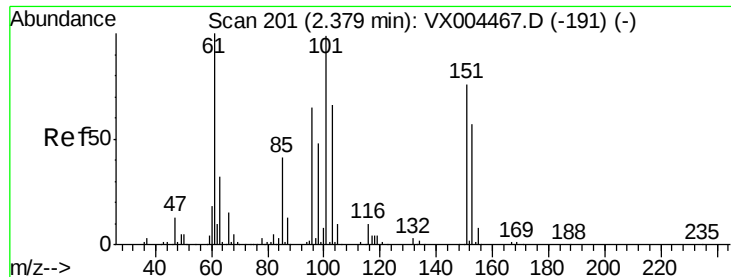


#8

Diethyl Ether
 Concen: 19.371 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. 0.00 min
 Lab File: VX004653.D
 Acq: 18 Sep 2018 13:09

Tgt Ion: 74 Resp: 12509
 Ion Ratio Lower Upper
 74 100
 45 92.9 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.650 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.01 min

Lab File: VX004653.D

Acq: 18 Sep 2018 13:09

Instrument :

MSVOA_X

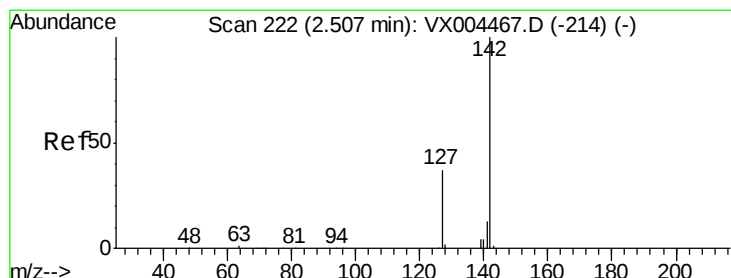
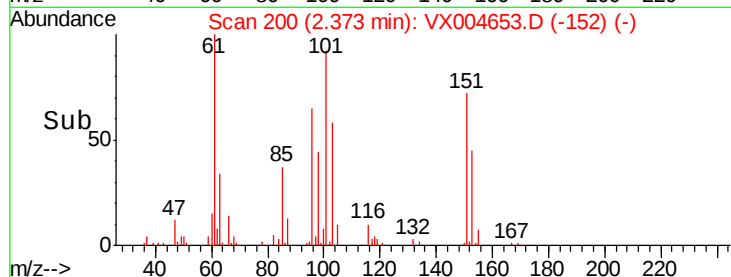
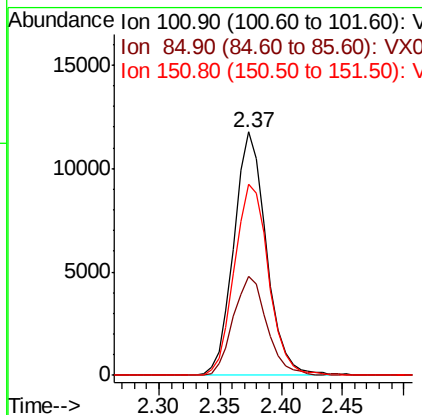
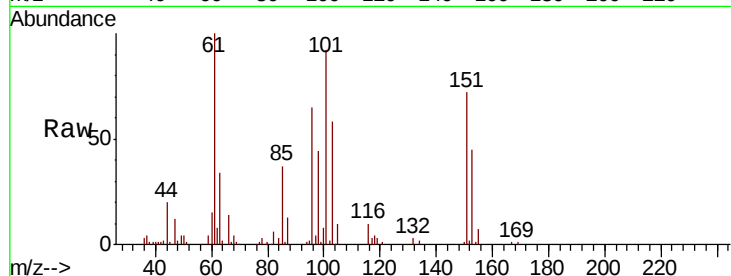
ClientSampleId :

VX0918WBSD01

Tgt Ion:	101	Resp:	21611
Ion Ratio	Lower	Upper	
101	100		
85	42.0	34.2	51.4
151	82.7	65.0	97.6

Manual Integrations
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#10

Methyl Iodide

Concen: 16.266 ug/l

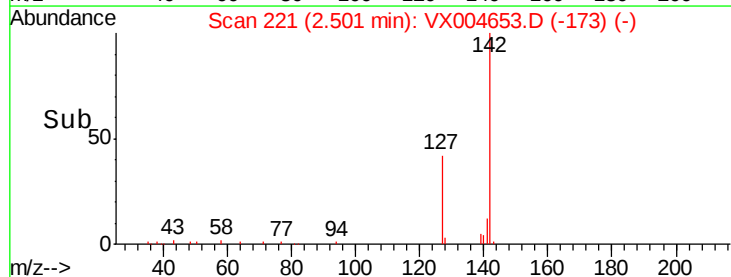
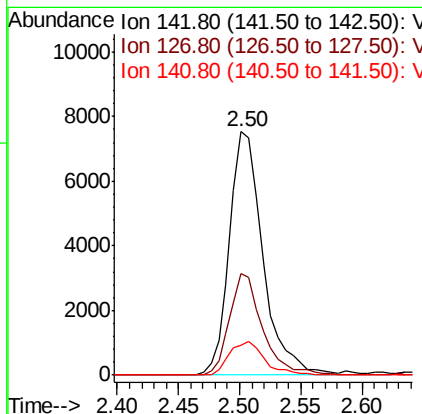
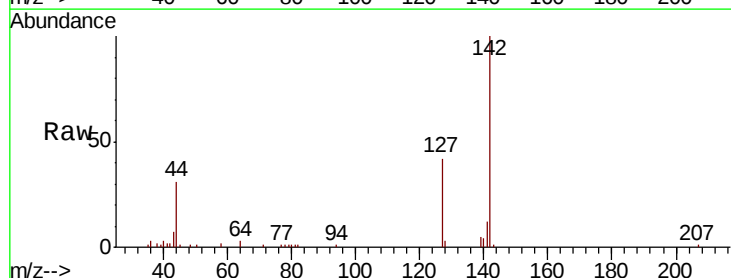
RT: 2.50 min Scan# 221

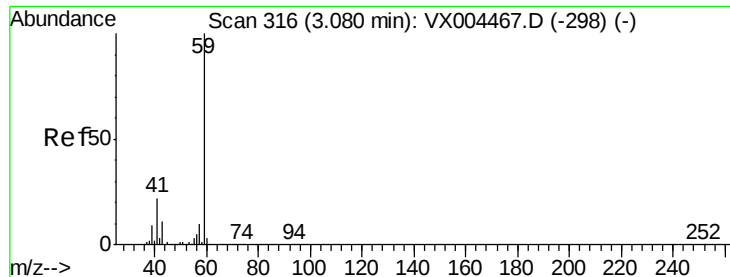
Delta R.T. -0.01 min

Lab File: VX004653.D

Acq: 18 Sep 2018 13:09

Tgt Ion:	142	Resp:	14339
Ion Ratio	Lower	Upper	
142	100		
127	40.9	33.8	50.6
141	14.3	11.4	17.0





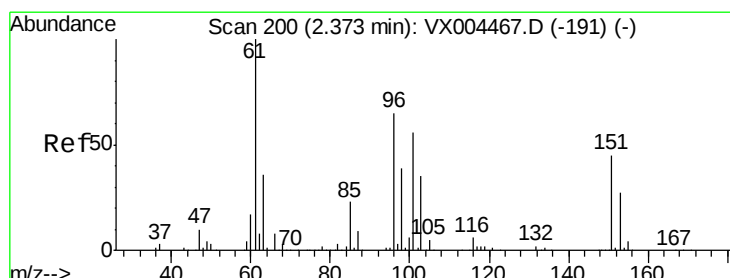
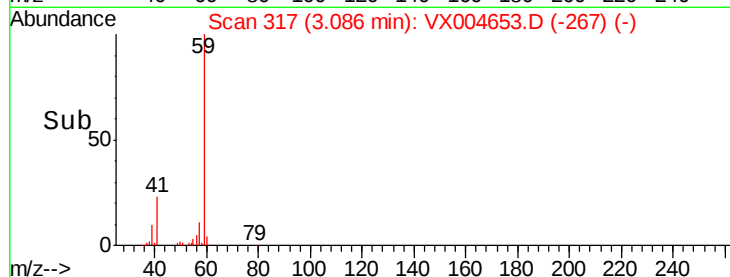
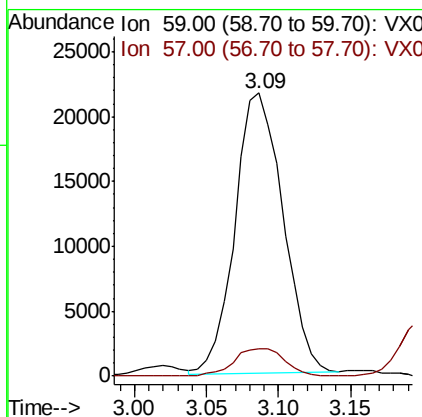
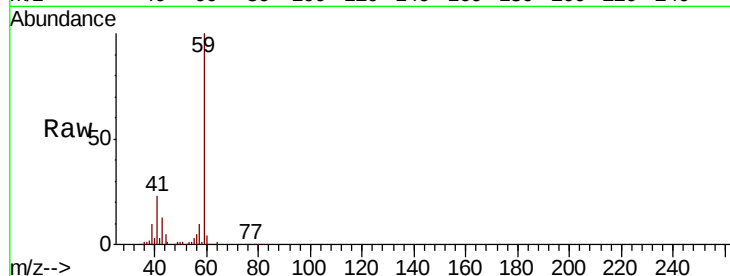
#11
Tert butyl alcohol
Concen: 197.479 ug/l
RT: 3.09 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX004653.D
Acq: 18 Sep 2018 13:09

Instrument :
MSVOA_X
ClientSampleID :
VX0918WBSD01

Tgt Ion: 59 Resp: 49870
Ion Ratio Lower Upper
59 100
57 10.7 8.2 12.4

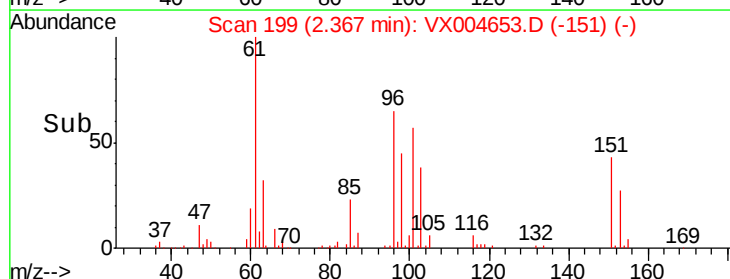
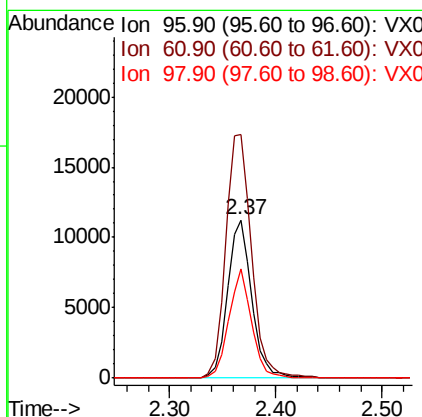
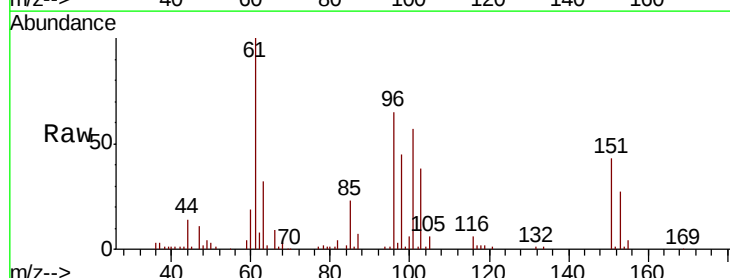
Manual Integrations
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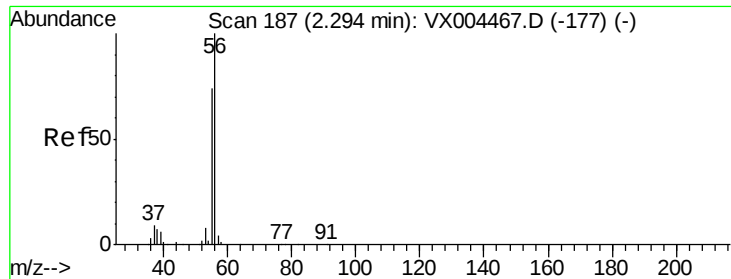
MMDadoda
9/19/2018 12:51:14 PM



#12
1,1-Dichloroethene
Concen: 20.883 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX004653.D
Acq: 18 Sep 2018 13:09

Tgt Ion: 96 Resp: 17910
Ion Ratio Lower Upper
96 100
61 153.8 128.8 193.2
98 68.8 52.2 78.2





#13

Acrolein

Concen: 95.921 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX004653.D

Acq: 18 Sep 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

Tgt Ion: 56 Resp: 9562

Ion Ratio Lower Upper

56 100

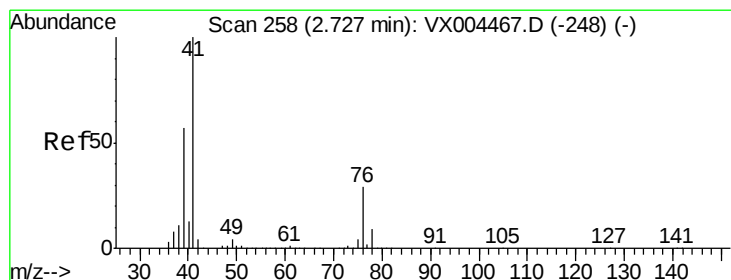
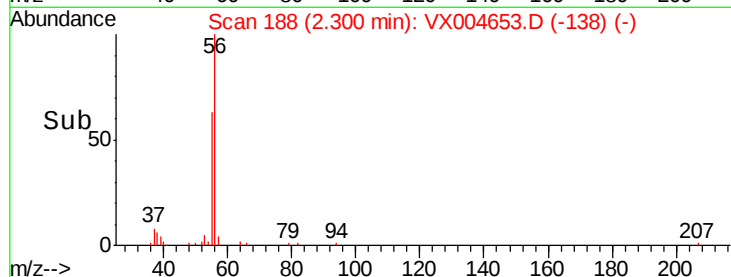
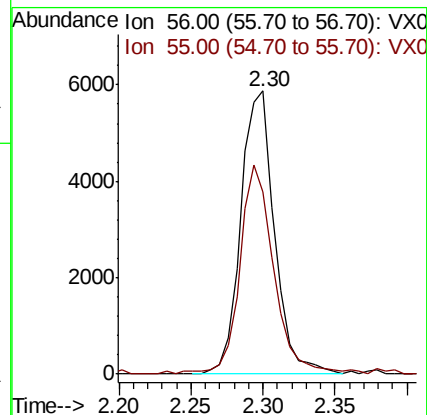
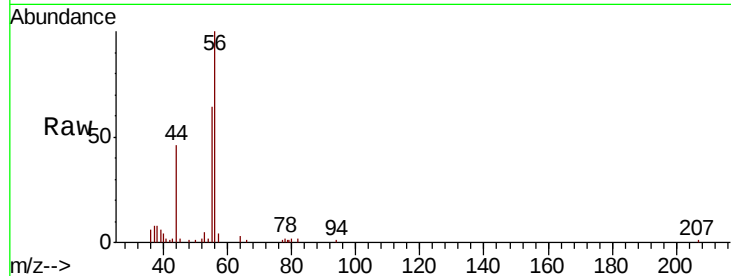
55 75.3 54.7 82.1

Manual Integrations

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#14

Allyl chloride

Concen: 21.080 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX004653.D

Acq: 18 Sep 2018 13:09

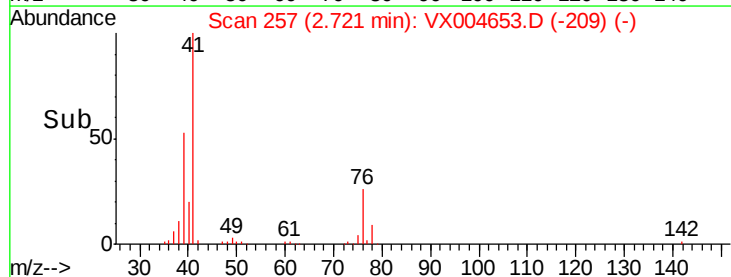
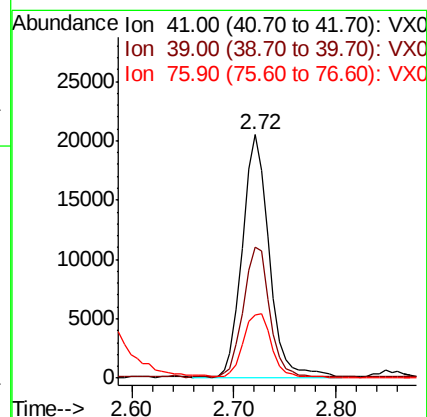
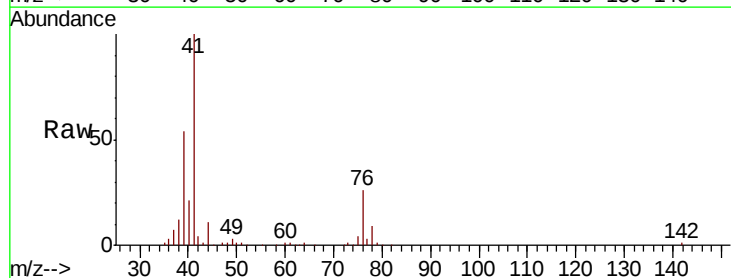
Tgt Ion: 41 Resp: 37168

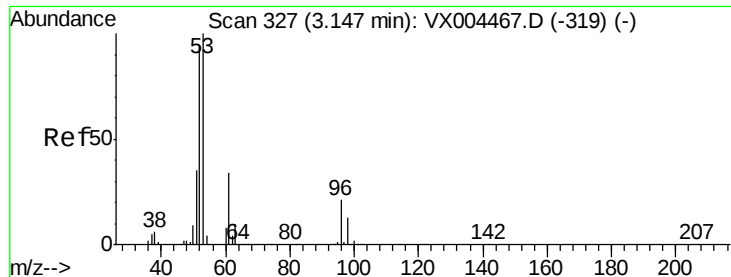
Ion Ratio Lower Upper

41 100

39 53.0 48.9 73.3

76 28.6 26.7 40.1





#15

Acrylonitrile

Concen: 155.978 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX004653.D

Acq: 18 Sep 2018 13:09

Instrument :

MSVOA_X

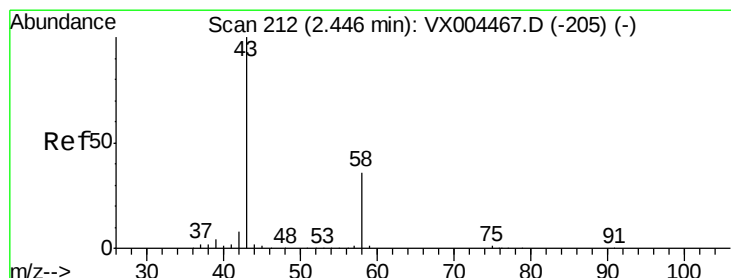
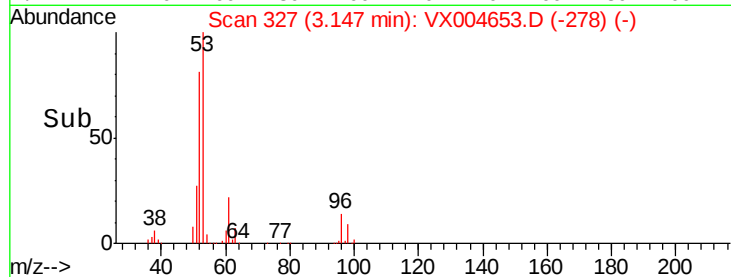
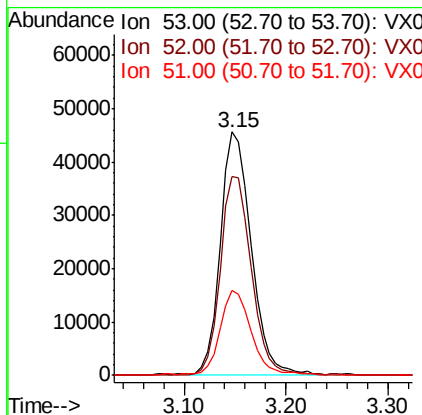
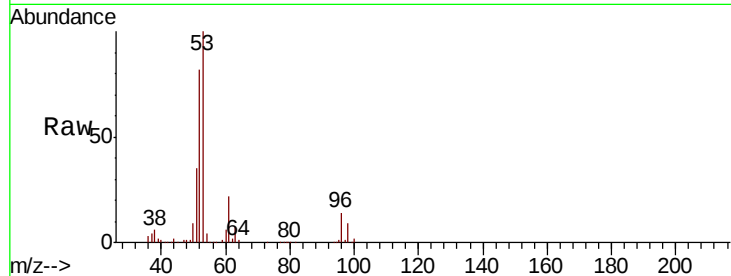
ClientSampleId :

VX0918WBSD01

Tgt Ion:	53	Resp:	94855
Ion	Ratio	Lower	Upper
53	100		
52	82.8	65.2	97.8
51	35.4	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 164.268 ug/l

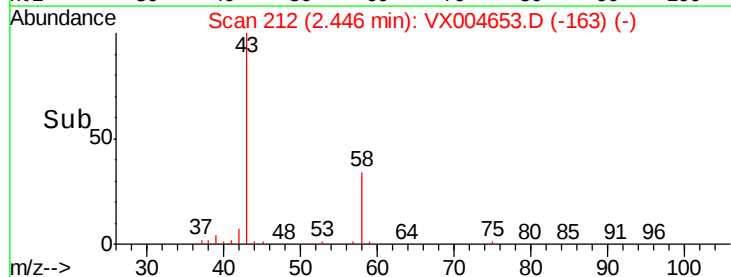
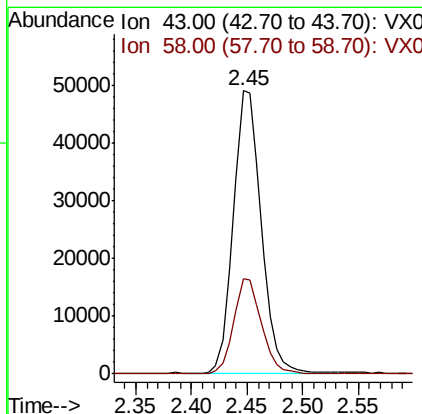
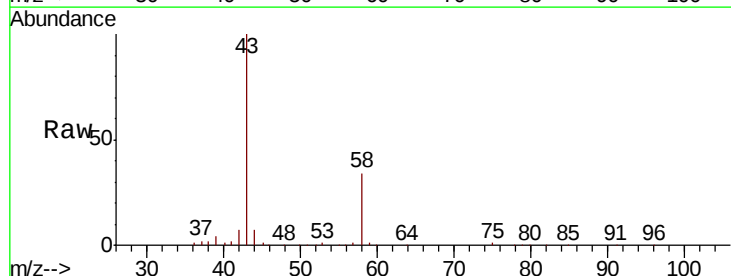
RT: 2.45 min Scan# 212

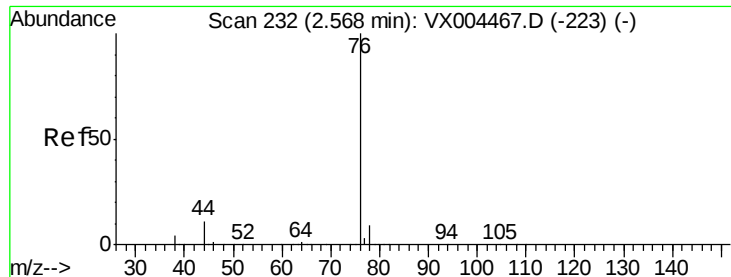
Delta R.T. 0.00 min

Lab File: VX004653.D

Acq: 18 Sep 2018 13:09

Tgt Ion:	43	Resp:	84852
Ion	Ratio	Lower	Upper
43	100		
58	33.7	26.2	39.4





#17

Carbon Disulfide

Concen: 19.270 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX004653.D

Acq: 18 Sep 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

Tgt Ion: 76 Resp: 47769

Ion Ratio Lower Upper

76 100

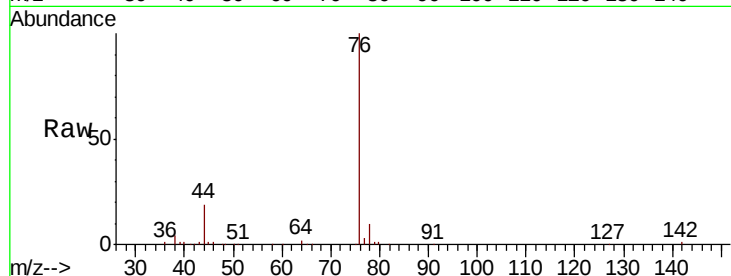
78 9.3 7.0 10.6

Manual Integrations

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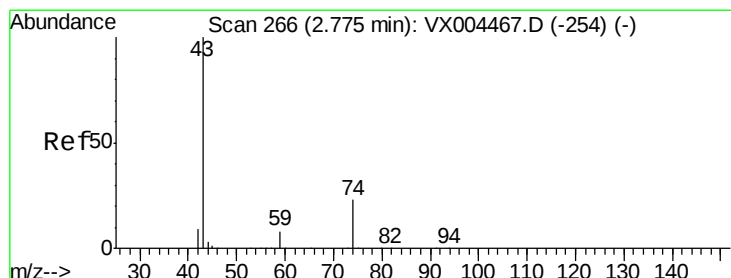
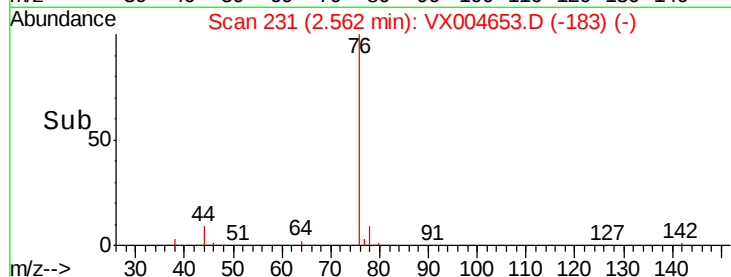
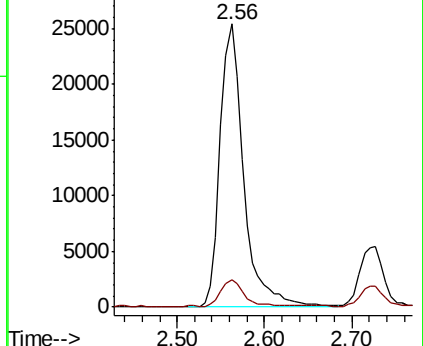
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 31.963 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX004653.D

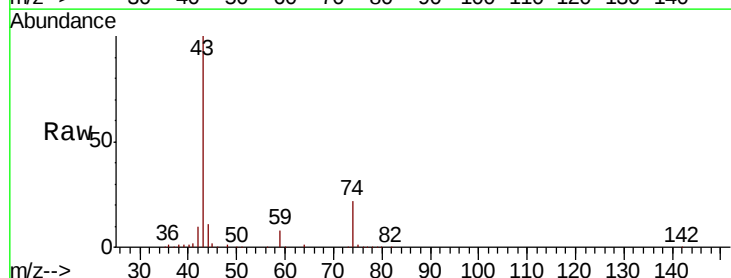
Acq: 18 Sep 2018 13:09

Tgt Ion: 43 Resp: 46321

Ion Ratio Lower Upper

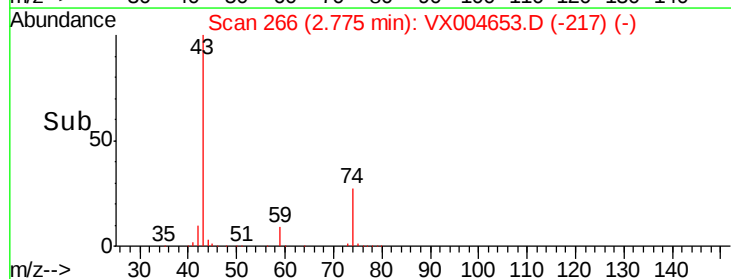
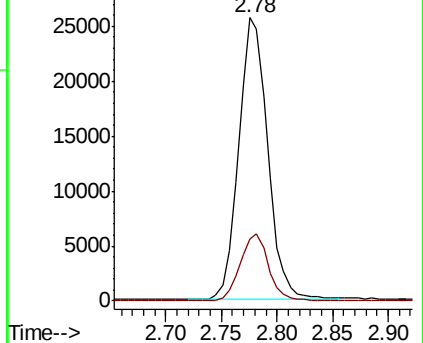
43 100

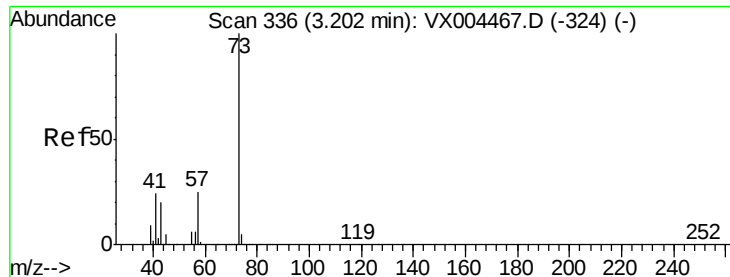
74 23.3 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





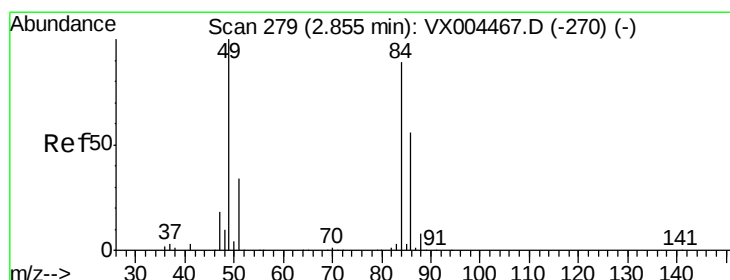
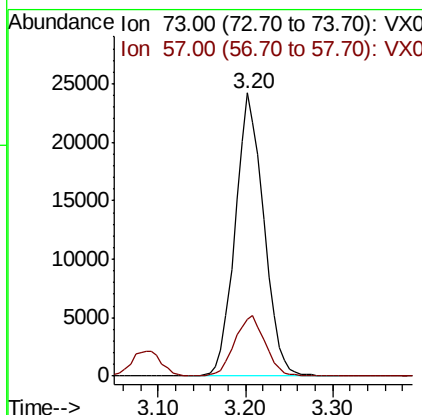
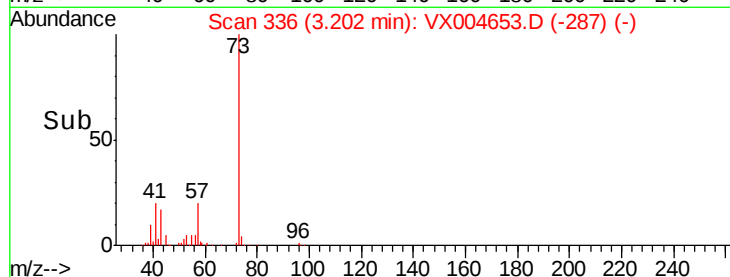
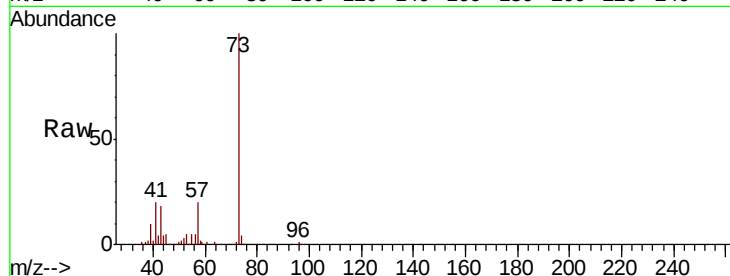
#19
Methyl tert-butyl Ether
Concen: 18.256 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX004653.D
Acq: 18 Sep 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

Tgt Ion: 73 Resp: 54937
Ion Ratio Lower Upper
73 100
57 20.1 17.1 25.7

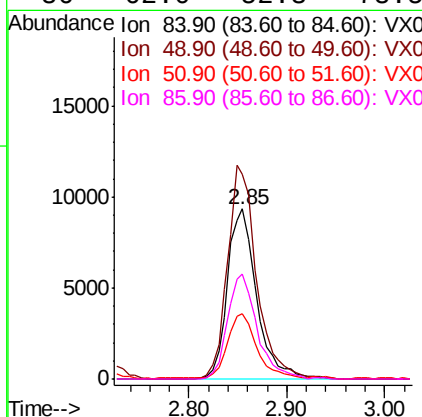
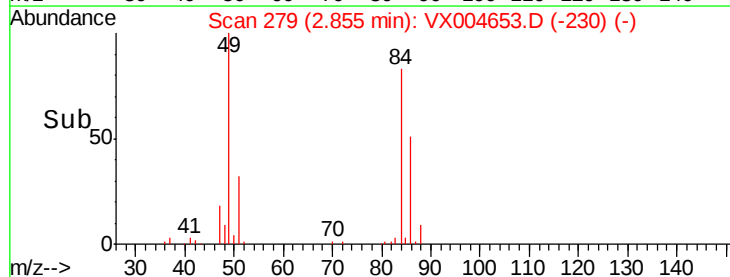
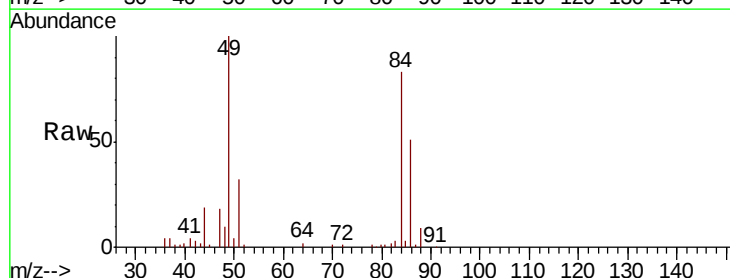
Manual Integrations
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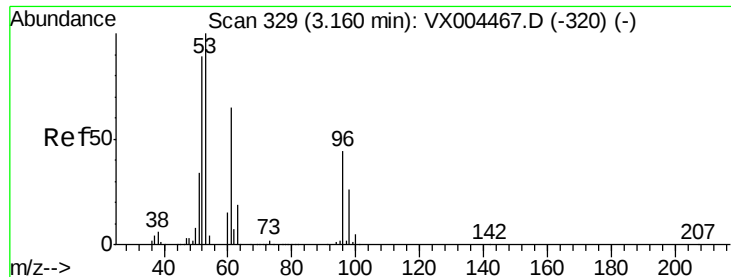
MMDadoda
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#20
Methylene Chloride
Concen: 18.246 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX004653.D
Acq: 18 Sep 2018 13:09

Tgt Ion: 84 Resp: 19334
Ion Ratio Lower Upper
84 100
49 120.9 101.2 151.8
51 38.3 29.5 44.3
86 62.0 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 19.415 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.01 min

Lab File: VX004653.D

Acq: 18 Sep 2018 13:09

Instrument :

MSVOA_X

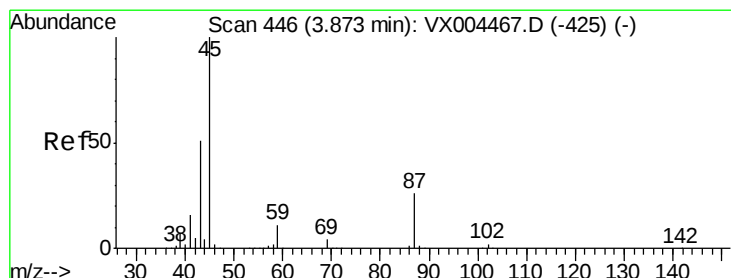
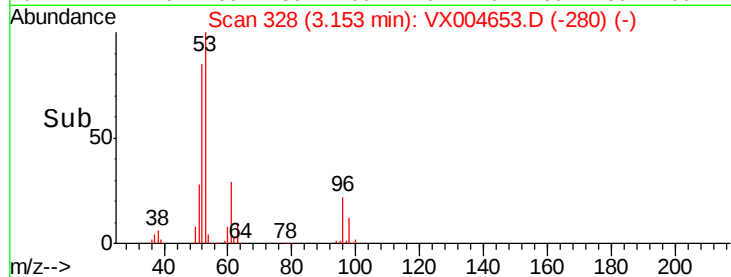
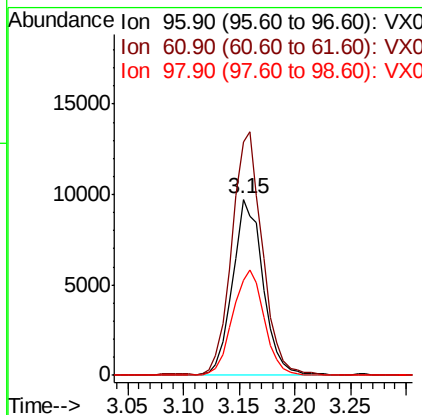
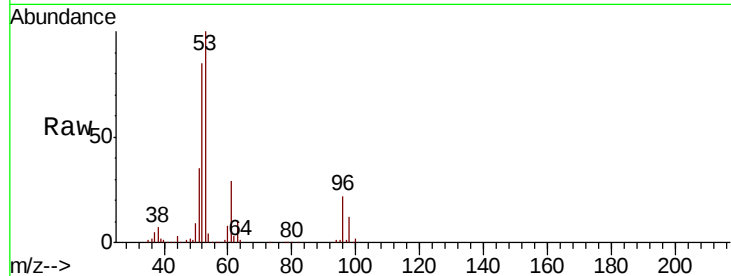
ClientSampleId :

VX0918WBSD01

Tgt Ion:	96	Resp:	18399
Ion	Ratio	Lower	Upper
96	100		
61	132.1	113.8	170.6
98	54.2	51.8	77.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 18.367 ug/l

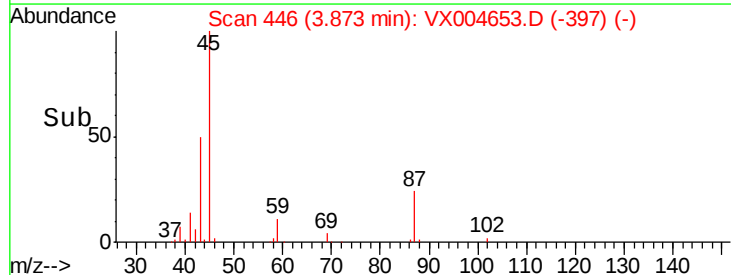
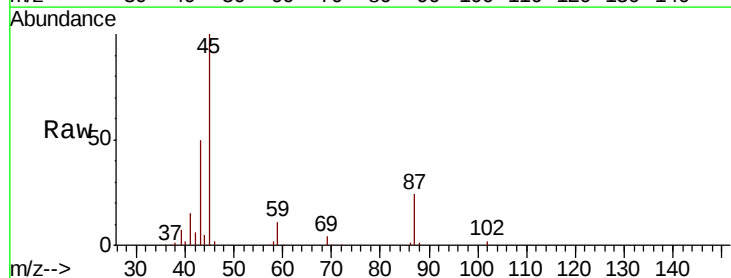
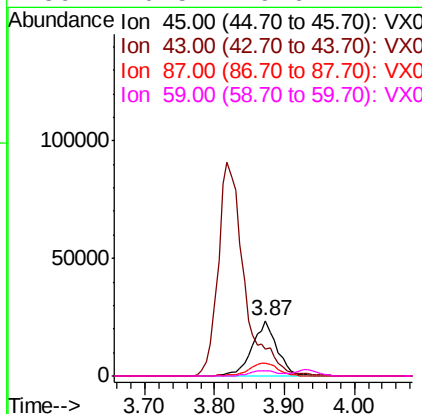
RT: 3.87 min Scan# 446

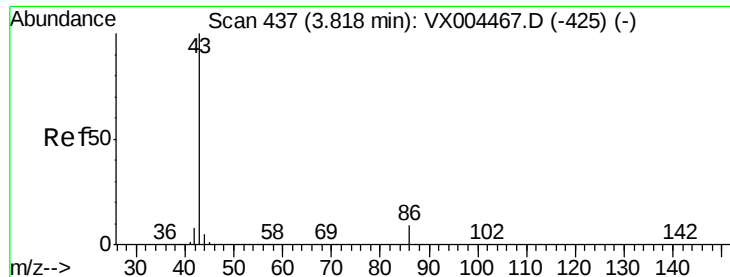
Delta R.T. 0.00 min

Lab File: VX004653.D

Acq: 18 Sep 2018 13:09

Tgt Ion:	45	Resp:	58325
Ion	Ratio	Lower	Upper
45	100		
43	49.4	42.8	64.2
87	23.7	22.6	34.0
59	10.5	9.6	14.4





#23

Vinyl Acetate

Concen: 92.922 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.00 min

Lab File: VX004653.D

Acq: 18 Sep 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

Tgt Ion: 43 Resp: 238793

Ion Ratio Lower Upper

43 100

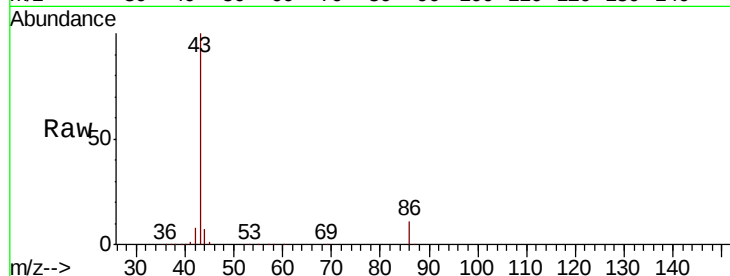
86 10.7 8.9 13.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

100000

80000

60000

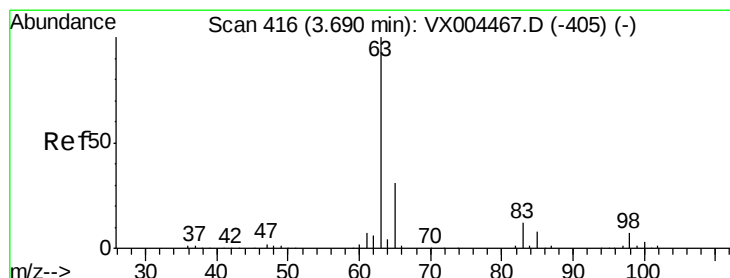
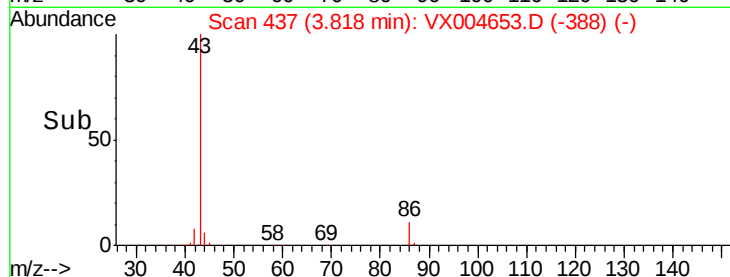
40000

20000

0

3.70 3.80 3.90 4.00 4.10

Time-->



#24

1,1-Dichloroethane

Concen: 18.702 ug/l

RT: 3.69 min Scan# 416

Delta R.T. 0.00 min

Lab File: VX004653.D

Acq: 18 Sep 2018 13:09

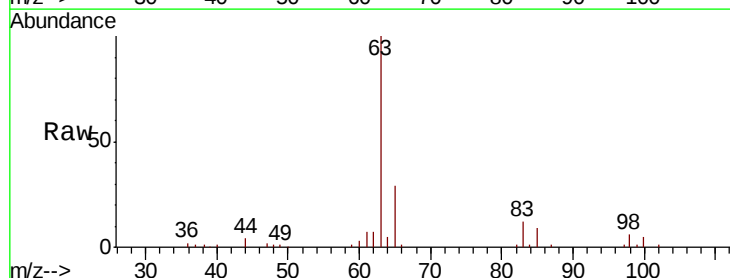
Tgt Ion: 63 Resp: 33530

Ion Ratio Lower Upper

63 100

98 5.8 3.5 10.4

100 4.8 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

20000

15000

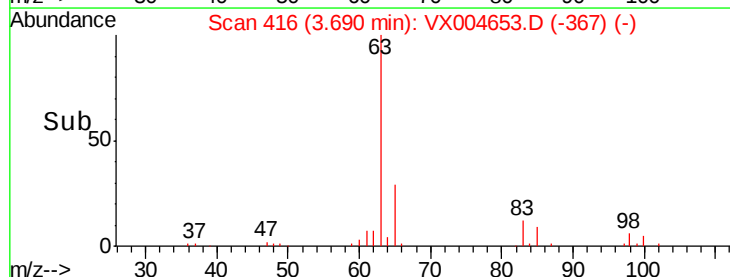
10000

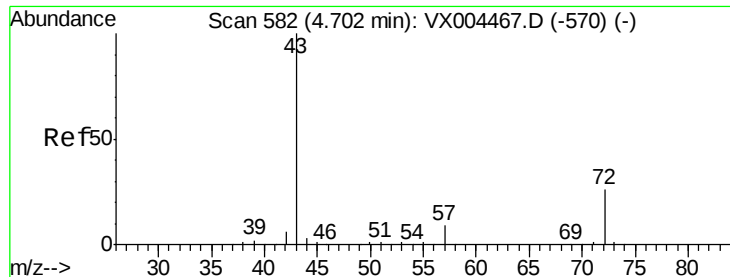
5000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 159.987 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX004653.D

Acq: 18 Sep 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

Tgt Ion: 43 Resp: 131524

Ion Ratio Lower Upper

43 100

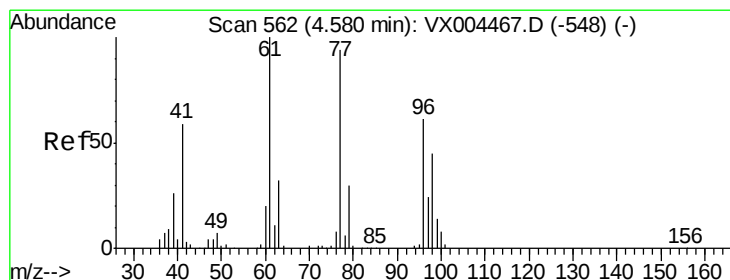
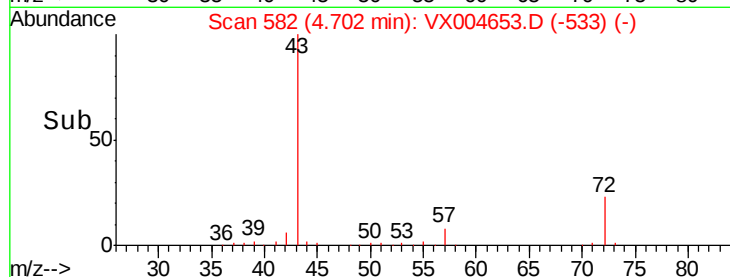
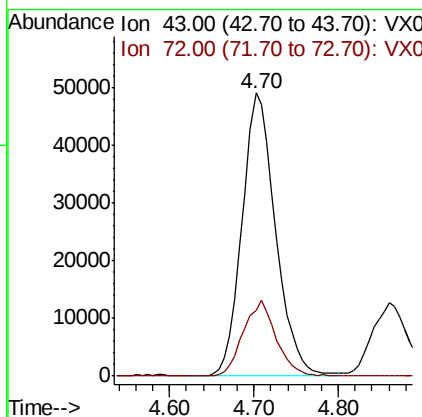
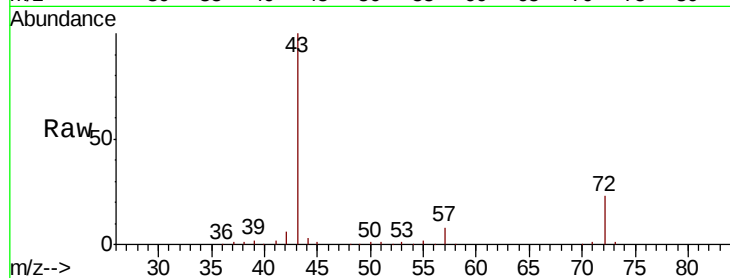
72 23.4 22.0 33.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 21.774 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX004653.D

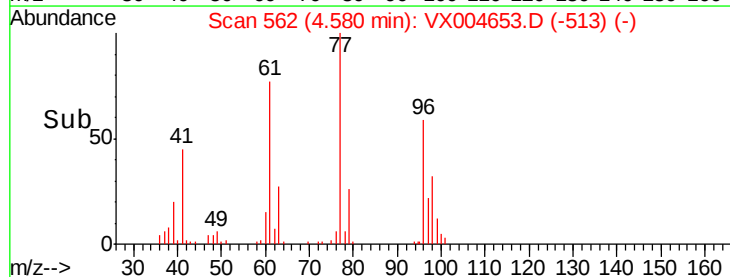
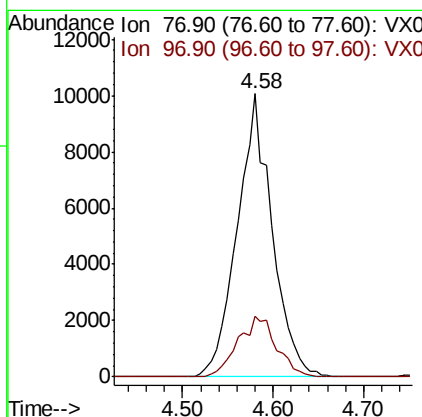
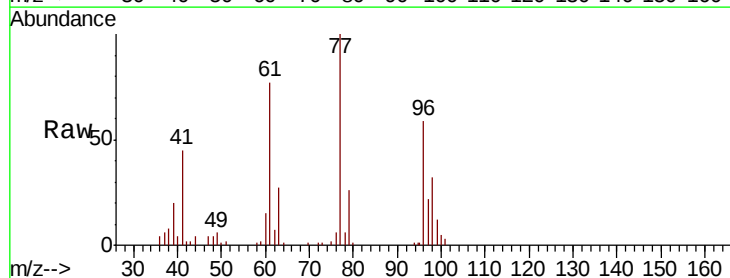
Acq: 18 Sep 2018 13:09

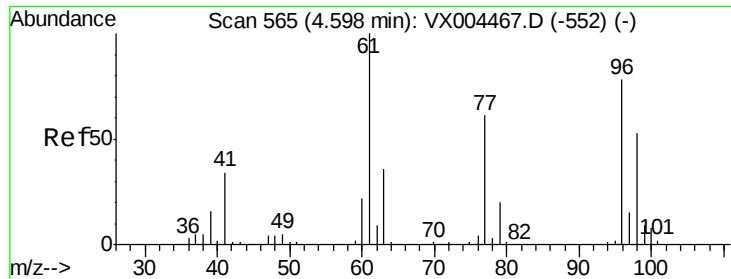
Tgt Ion: 77 Resp: 26813

Ion Ratio Lower Upper

77 100

97 23.6 11.7 35.0





#27

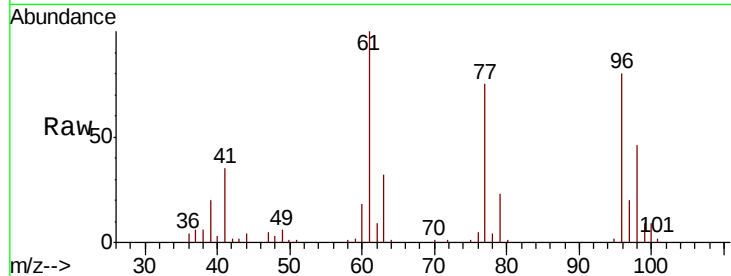
cis-1,2-Dichloroethene
Concen: 18.781 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX004653.D
Acq: 18 Sep 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

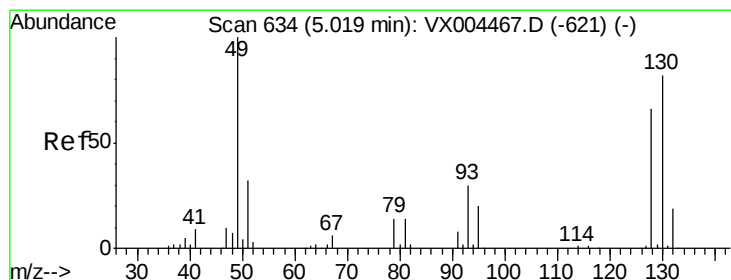
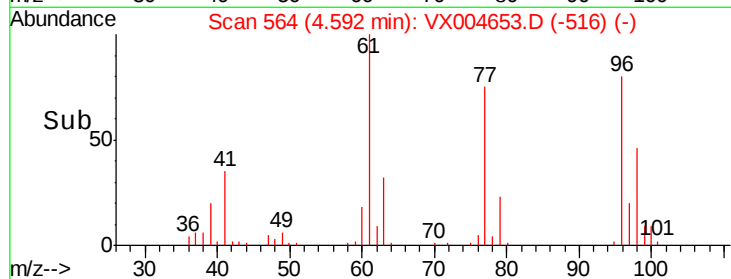
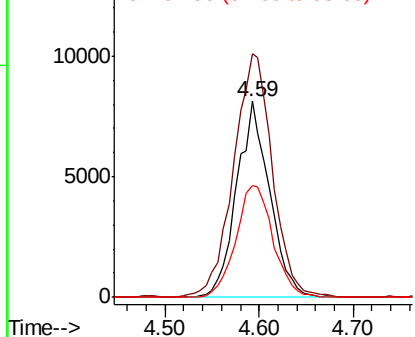
Tgt Ion	Ratio	Resp	Lower	Upper
96	100	19869		
61	146.4	0.0	282.6	
98	64.1	0.0	130.2	

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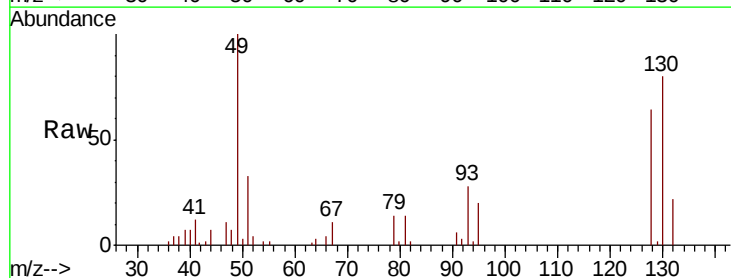
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



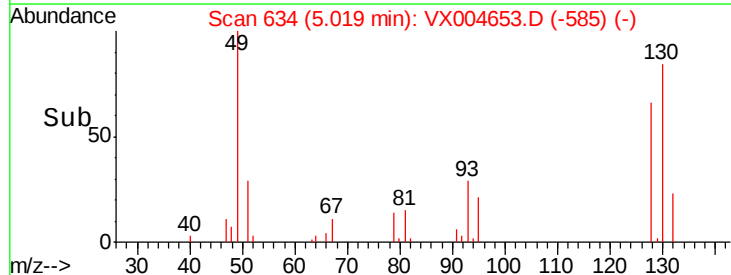
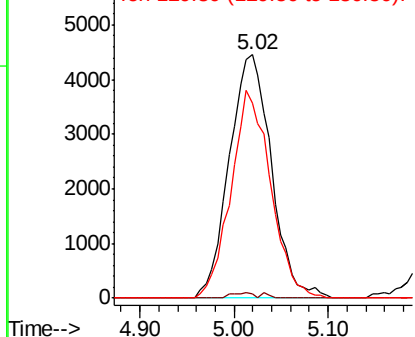
#28

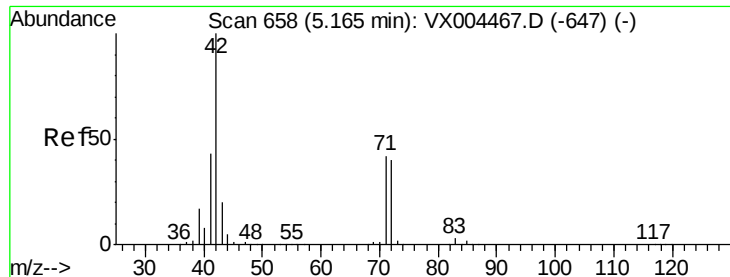
Bromochloromethane
Concen: 16.832 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX004653.D
Acq: 18 Sep 2018 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	13804		
129	1.1	0.0	4.2	
130	80.4	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





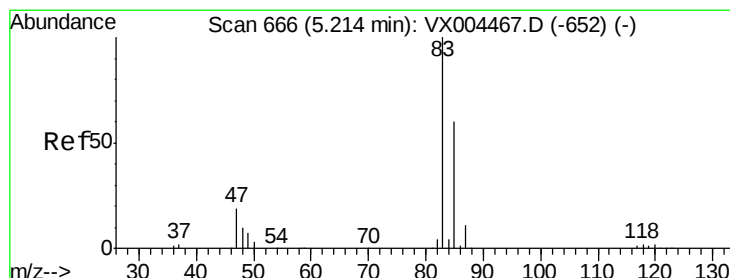
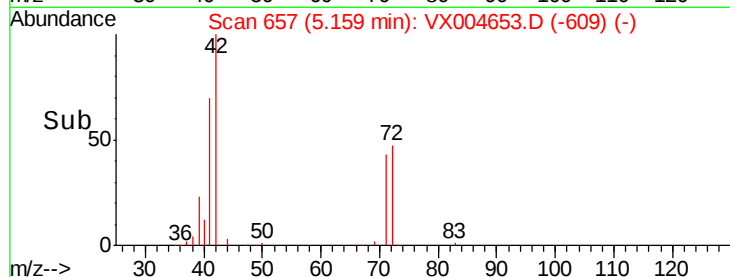
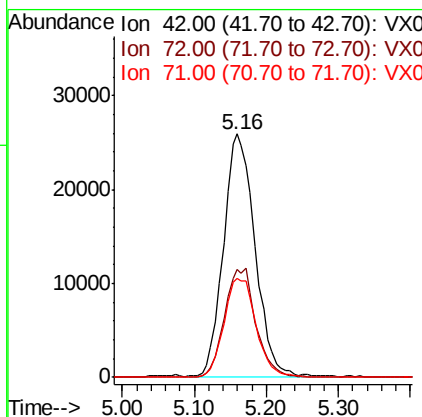
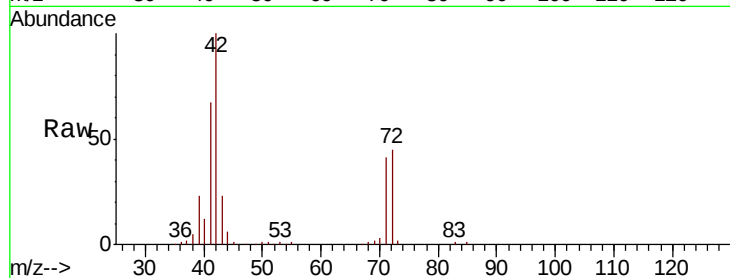
#29
Tetrahydrofuran
Concen: 158.739 ug/l
RT: 5.16 min Scan# 657
Delta R.T. -0.01 min
Lab File: VX004653.D
Acq: 18 Sep 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	44.4	37.4	56.0
71	41.5	34.5	51.7

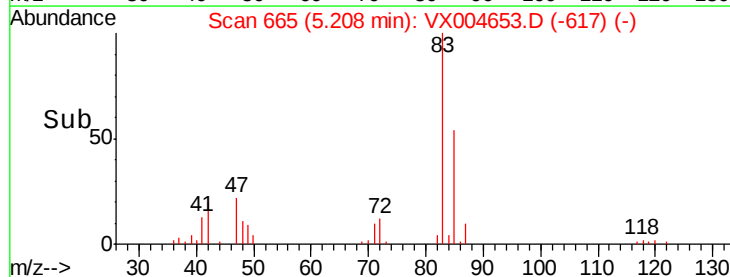
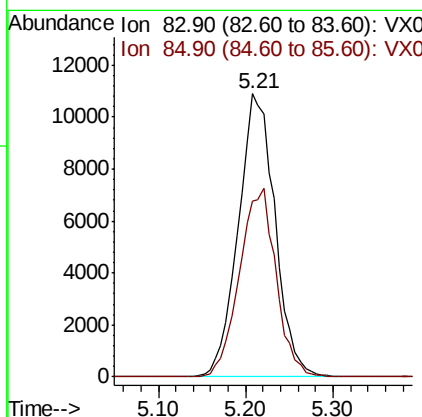
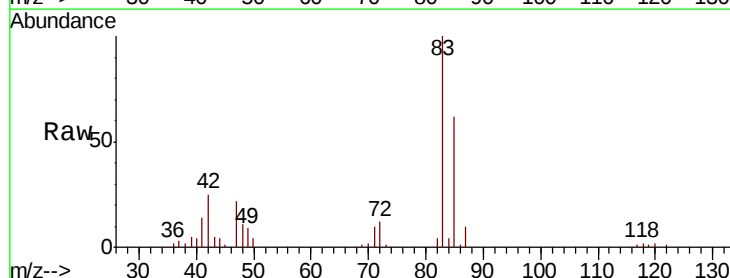
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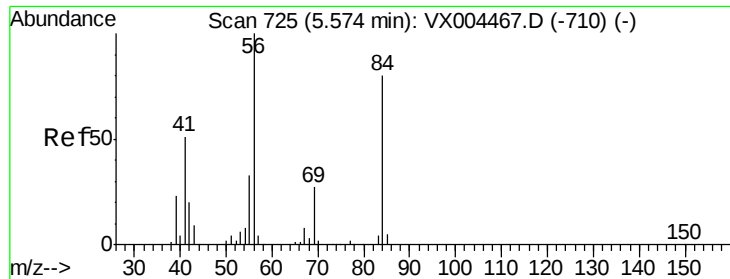
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#30
Chloroform
Concen: 18.176 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX004653.D
Acq: 18 Sep 2018 13:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.9	52.6	79.0





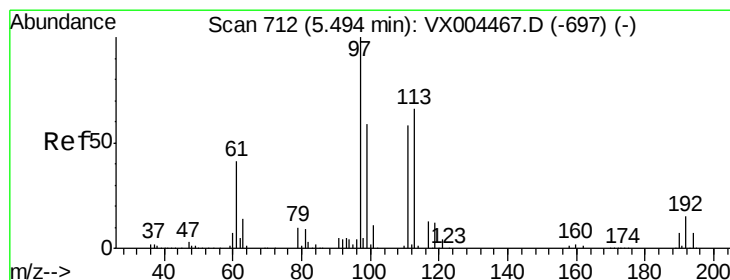
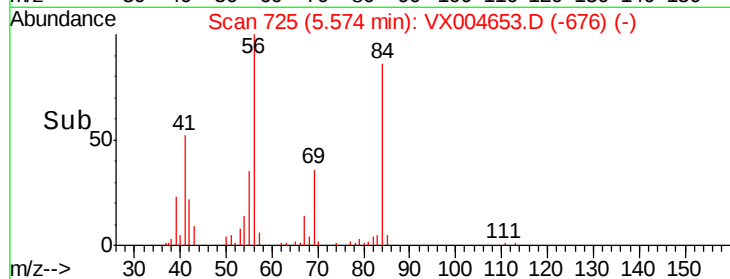
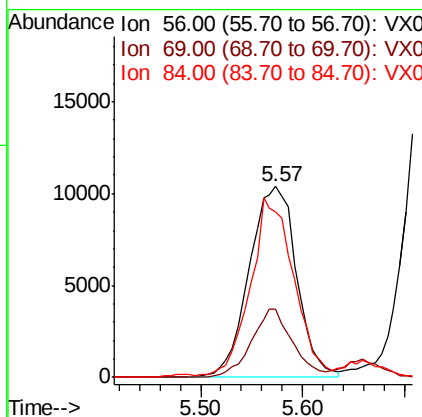
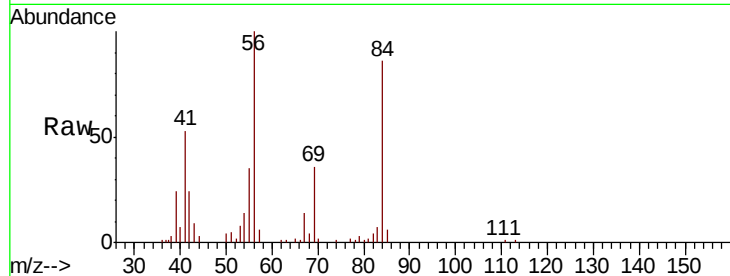
#31
Cyclohexane
Concen: 21.829 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX004653.D
Acq: 18 Sep 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	36.0	25.4	38.2
84	84.8	71.4	107.2

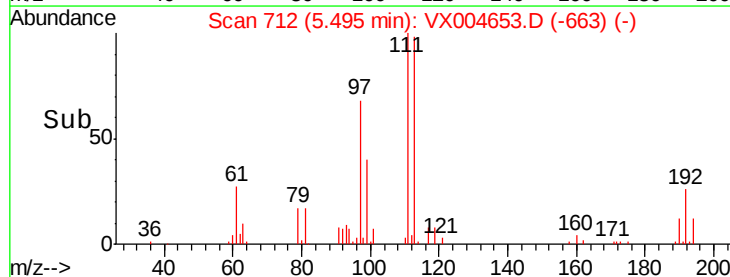
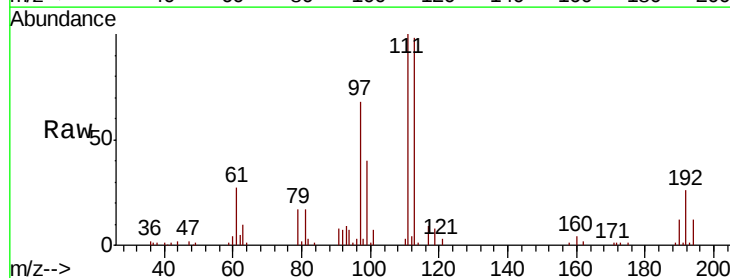
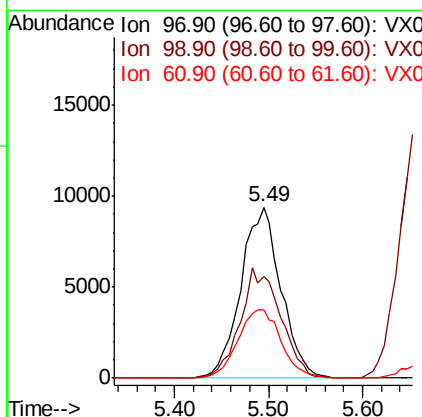
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#32
1,1,1-Trichloroethane
Concen: 19.841 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX004653.D
Acq: 18 Sep 2018 13:09

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	52.0	78.0
61	42.8	34.9	52.3





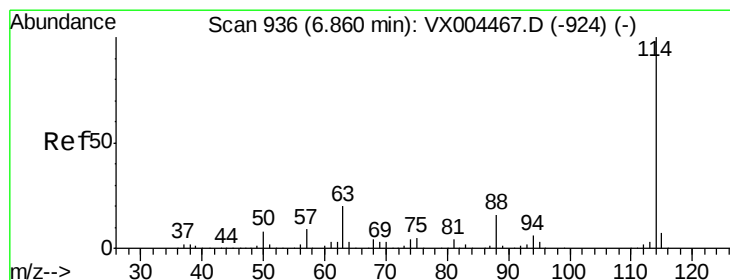
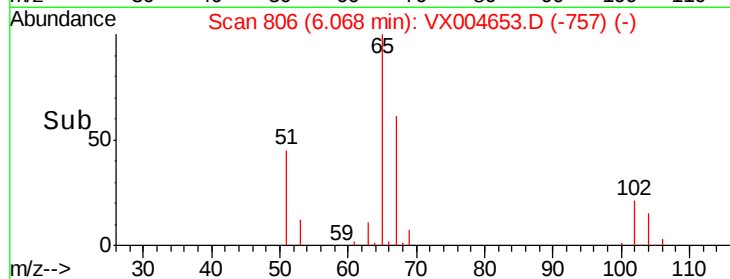
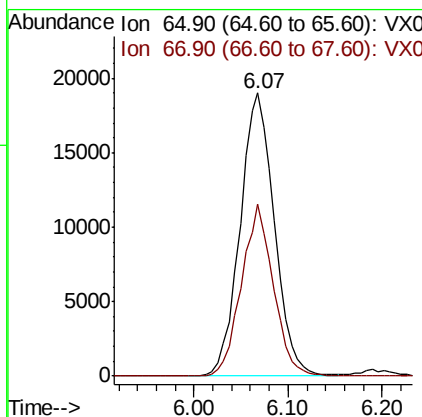
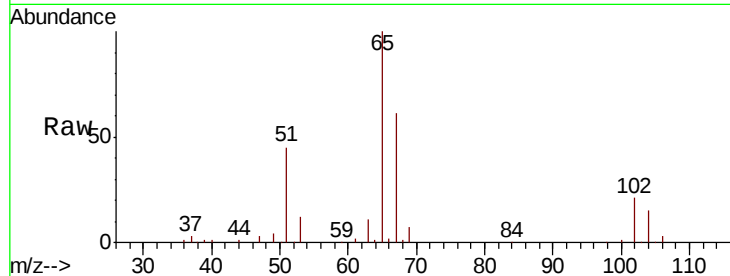
#33
 1,2-Dichloroethane-d4
 Concen: 45.761 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX004653.D
 Acq: 18 Sep 2018 13:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBSD01

Tgt Ion: 65 Resp: 48430
 Ion Ratio Lower Upper
 65 100
 67 56.3 0.0 106.8

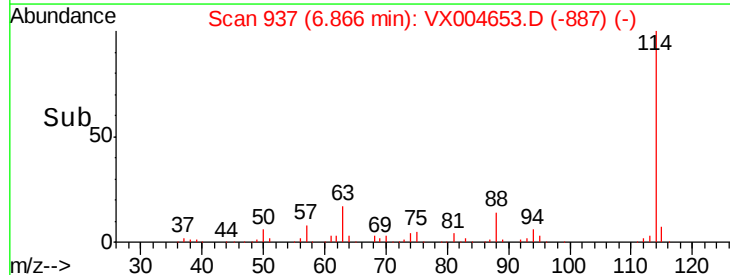
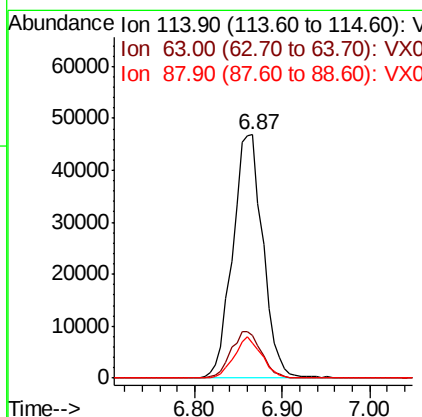
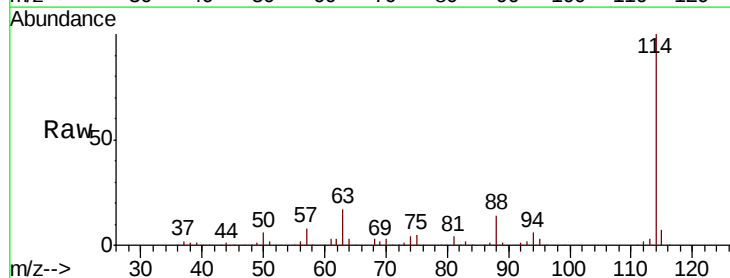
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VX004653.D
 Acq: 18 Sep 2018 13:09

Tgt Ion: 114 Resp: 113125
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 39.0
 88 14.2 0.0 30.4





#35

Dibromofluoromethane

Concen: 39.954 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX004653.D

Acq: 18 Sep 2018 13:09

Instrument :

MSVOA_X

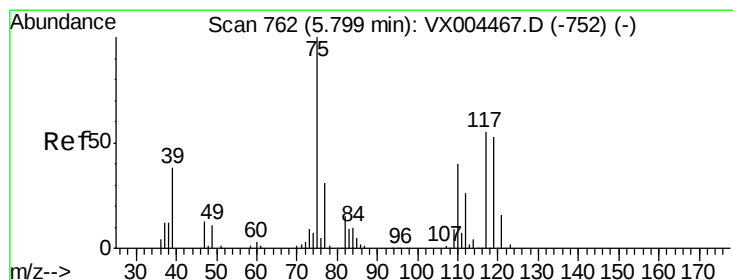
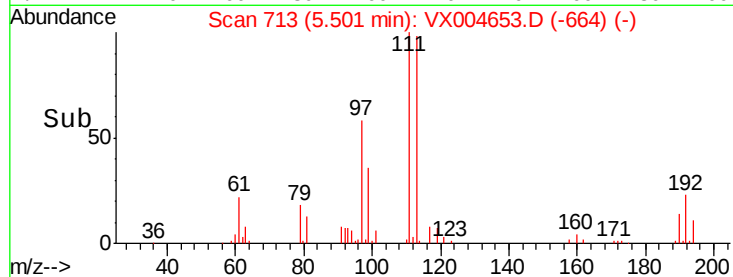
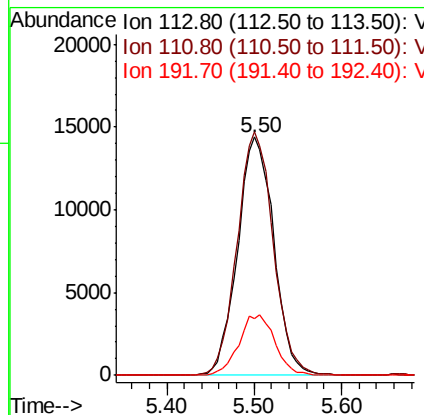
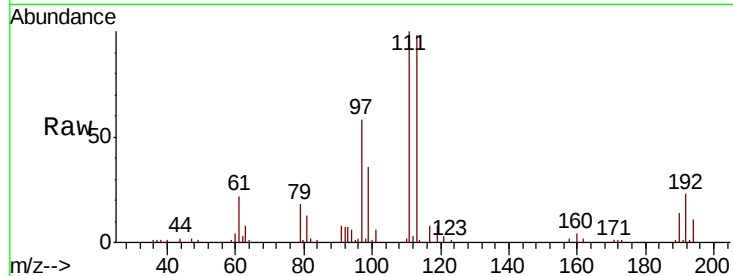
ClientSampleId :

VX0918WBSD01

Tgt Ion:	113	Resp:	41360
Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.4	123.6
192	25.1	19.4	29.2

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#36

1,1-Dichloropropene

Concen: 18.186 ug/l

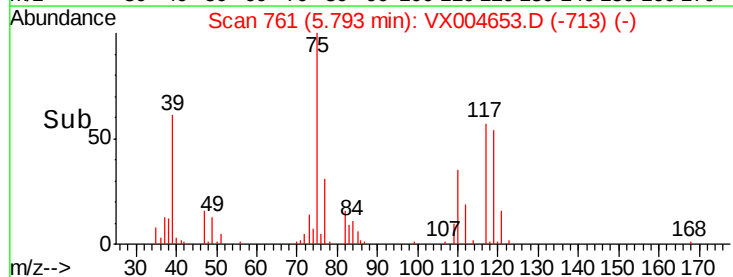
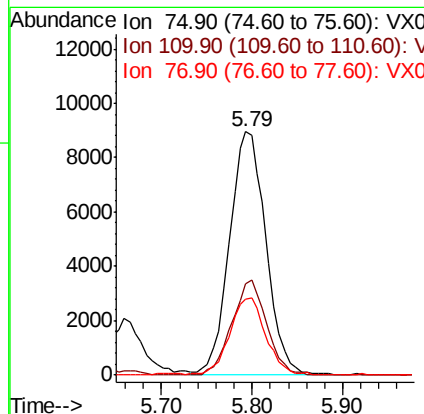
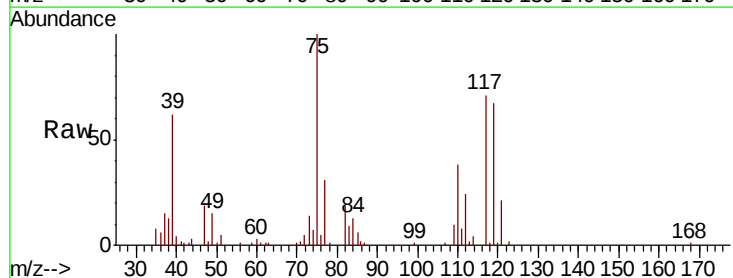
RT: 5.79 min Scan# 761

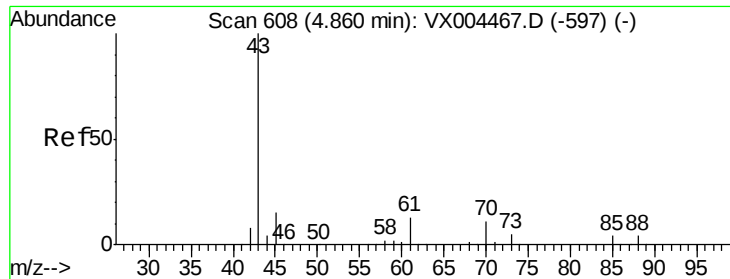
Delta R.T. -0.01 min

Lab File: VX004653.D

Acq: 18 Sep 2018 13:09

Tgt Ion:	75	Resp:	24977
Ion	Ratio	Lower	Upper
75	100		
110	37.2	18.0	54.0
77	31.5	24.6	36.8





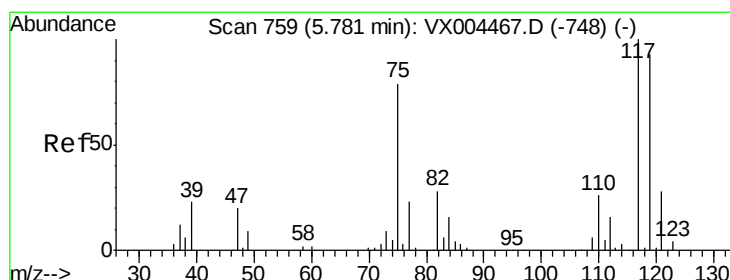
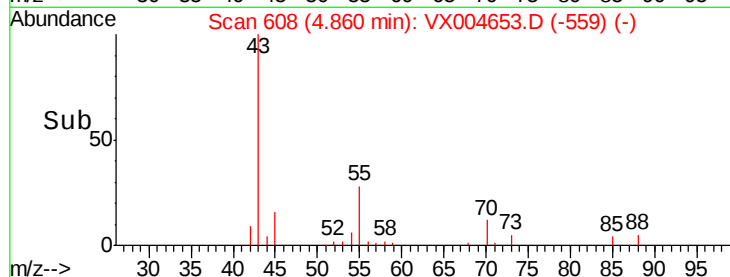
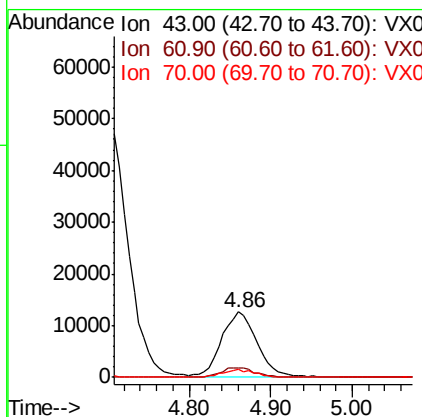
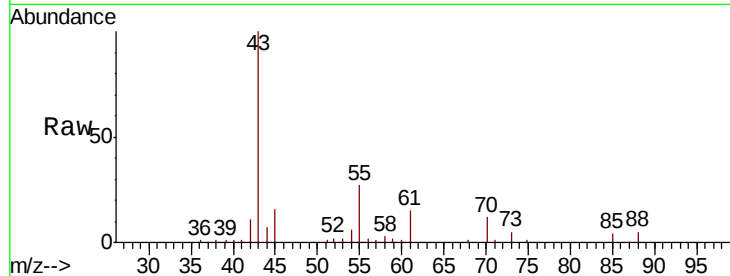
#37
Ethyl Acetate
Concen: 24.020 ug/l
RT: 4.86 min Scan# 608
Delta R.T. 0.00 min
Lab File: VX004653.D
Acq: 18 Sep 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.5	17.3
70	11.3	9.0	13.6

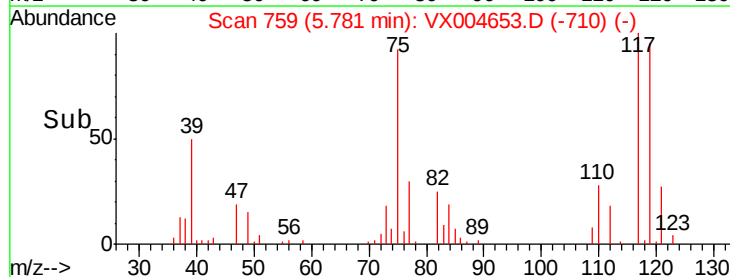
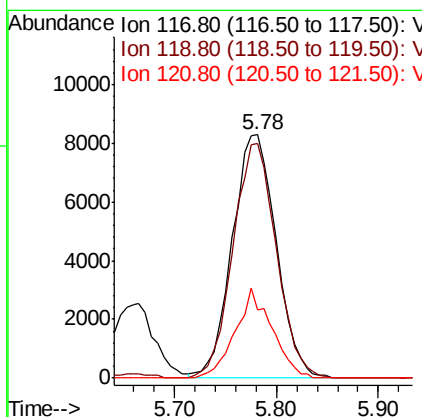
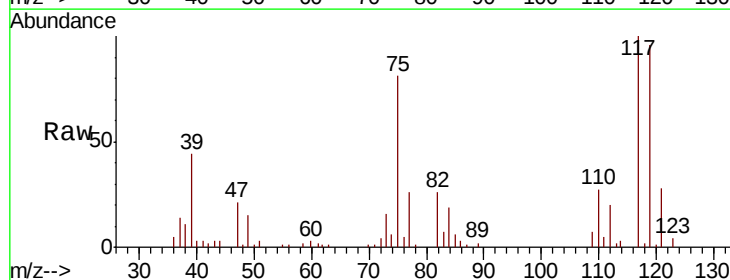
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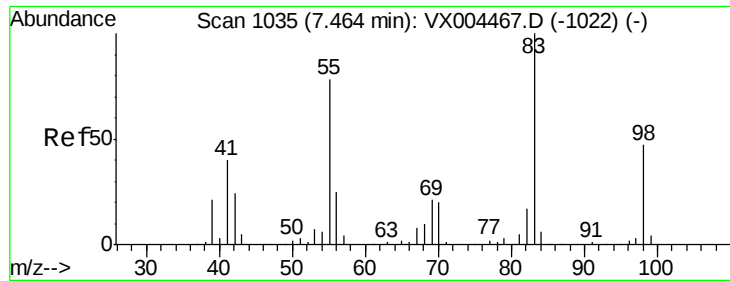
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#38
Carbon Tetrachloride
Concen: 18.528 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX004653.D
Acq: 18 Sep 2018 13:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	78.8	118.2
121	28.0	24.9	37.3





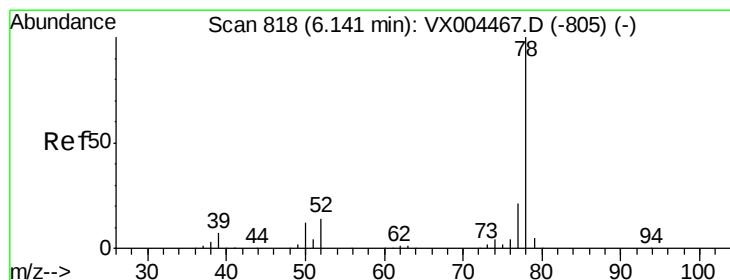
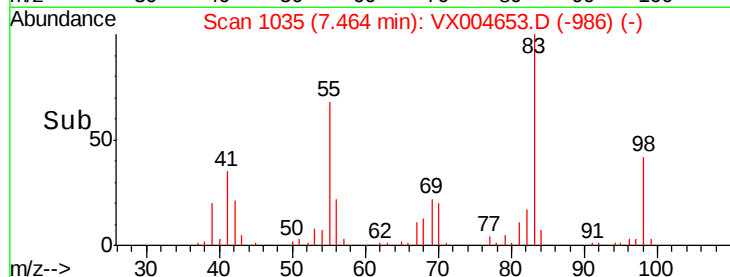
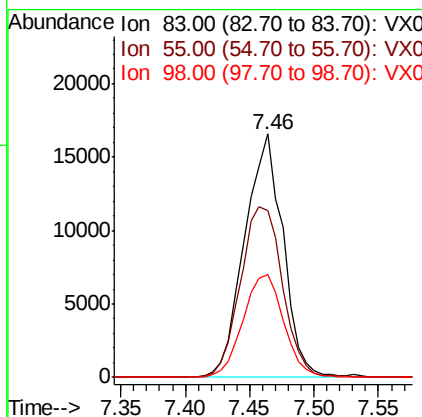
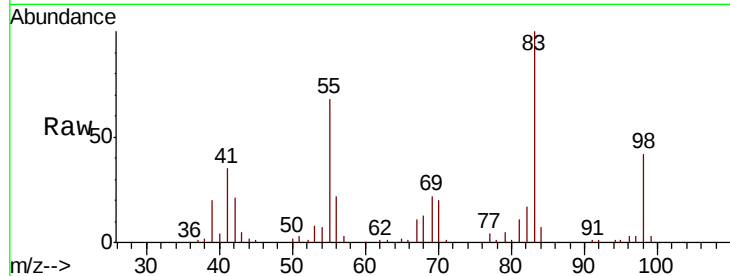
#39
Methylcyclohexane
Concen: 23.841 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX004653.D
Acq: 18 Sep 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	68.3	61.0	91.4
98	42.0	39.6	59.4

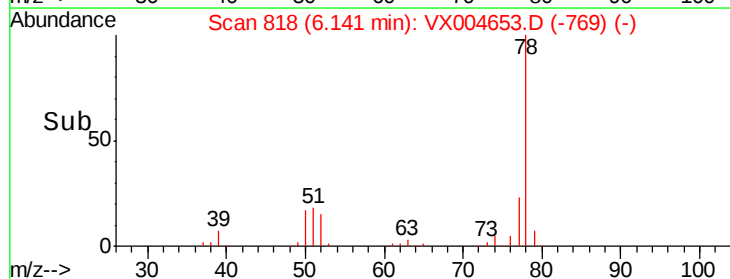
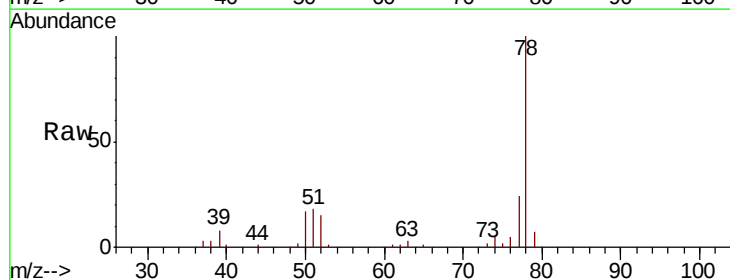
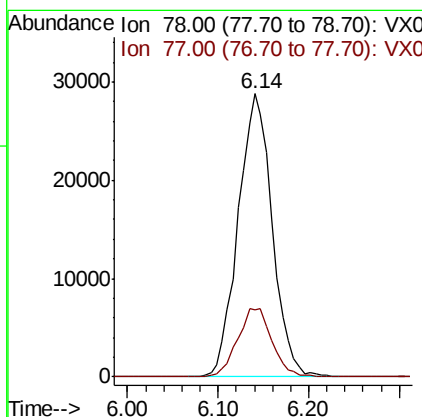
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#40
Benzene
Concen: 18.371 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX004653.D
Acq: 18 Sep 2018 13:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.4





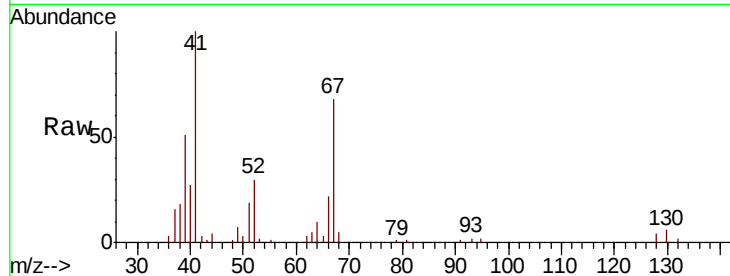
#41
Methacrylonitrile
Concen: 22.733 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.00 min
Lab File: VX004653.D
Acq: 18 Sep 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	53.7	42.4	63.6
67	73.6	59.2	88.8
52	30.1	23.0	34.4

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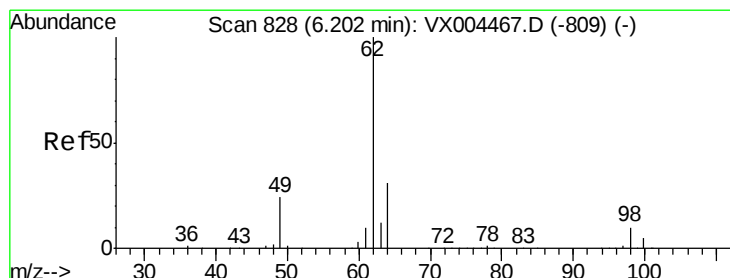
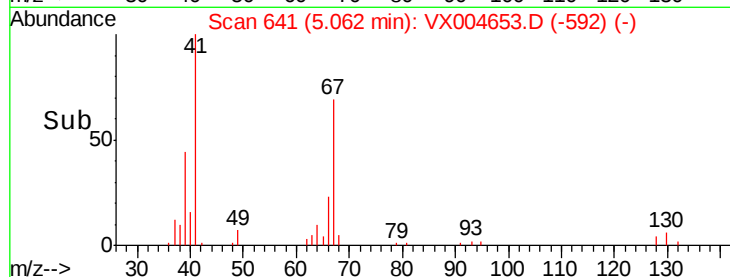
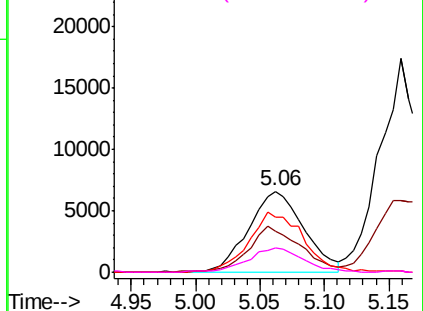
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

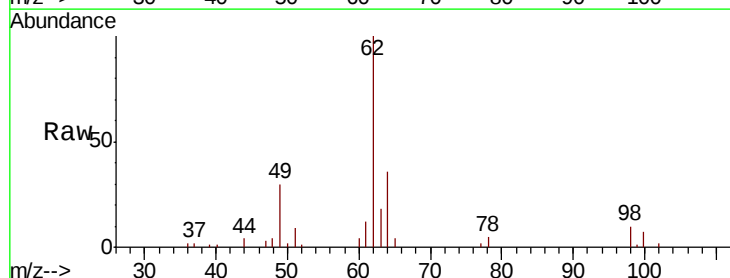
Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42
1,2-Dichloroethane
Concen: 16.812 ug/l
RT: 6.20 min Scan# 828
Delta R.T. 0.00 min
Lab File: VX004653.D
Acq: 18 Sep 2018 13:09

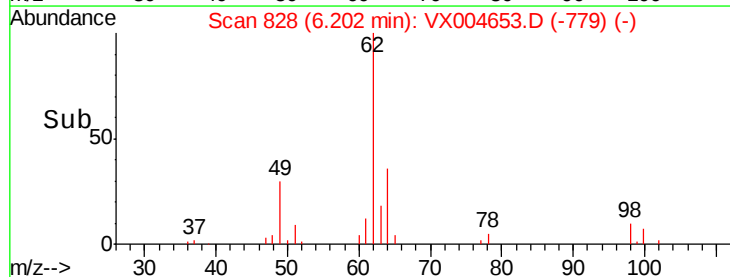
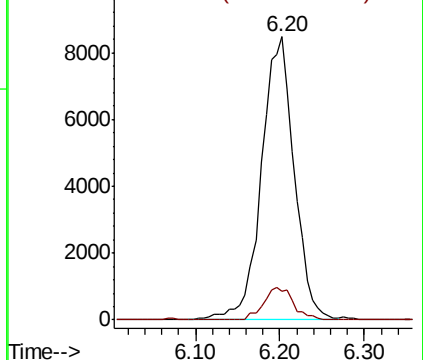
Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.6

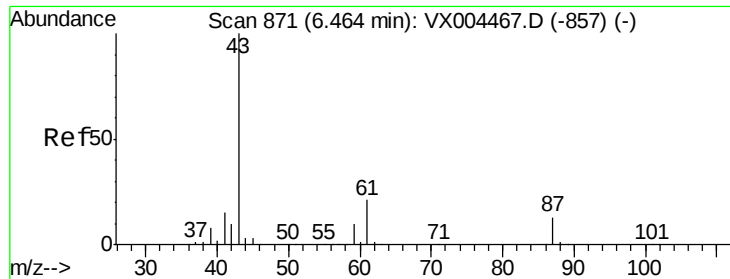


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 21.502 ug/l

RT: 6.47 min Scan# 872

Delta R.T. 0.01 min

Lab File: VX004653.D

Acq: 18 Sep 2018 13:09

Instrument :

MSVOA_X

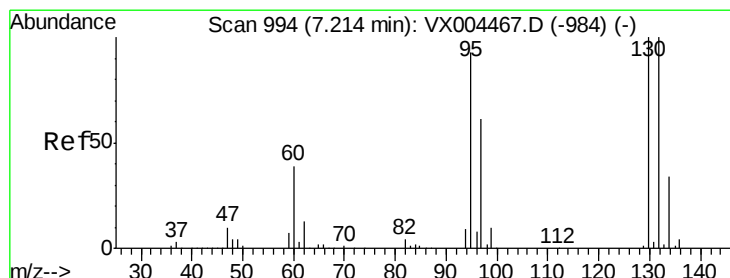
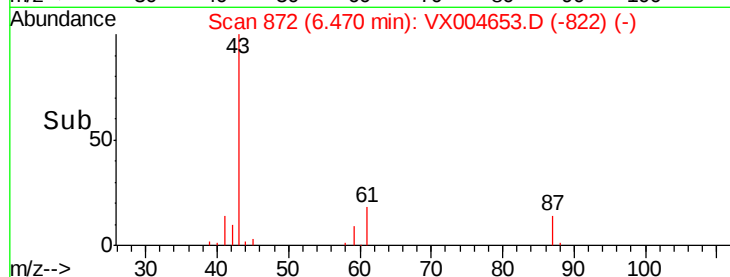
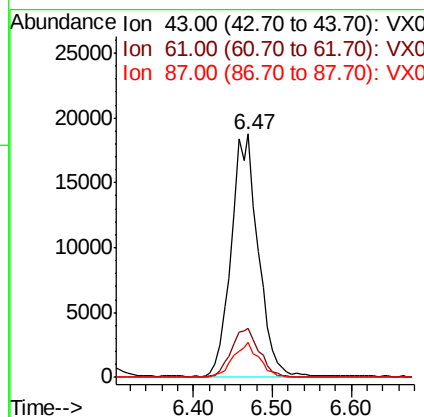
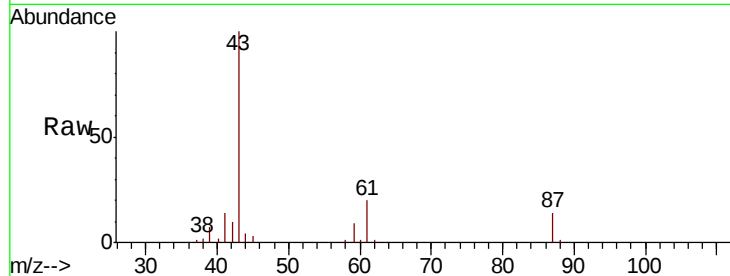
ClientSampleId :

VX0918WBSD01

Tgt Ion:	43	Resp:	44609
Ion	Ratio	Lower	Upper
43	100		
61	21.1	17.0	25.4
87	13.7	11.4	17.2

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#44

Trichloroethene

Concen: 19.640 ug/l

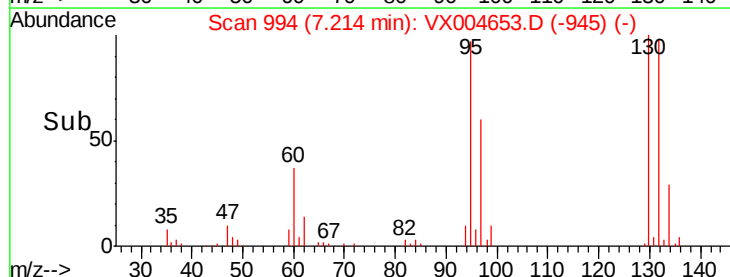
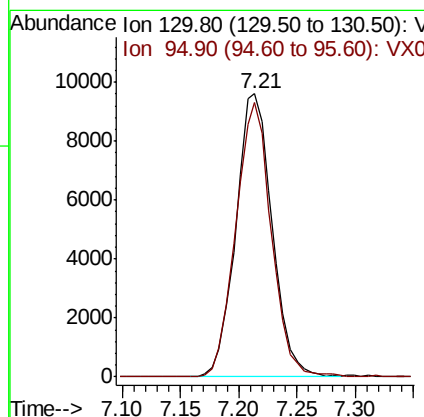
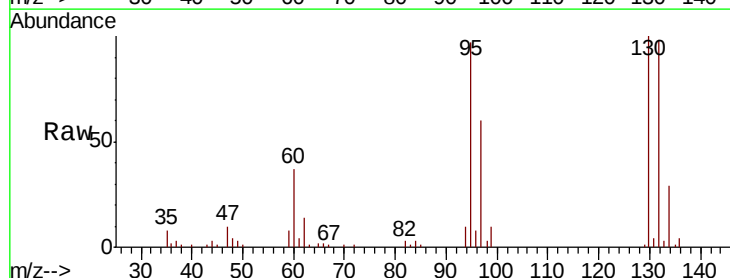
RT: 7.21 min Scan# 994

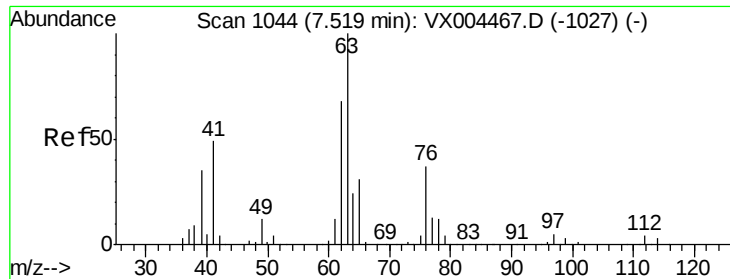
Delta R.T. 0.00 min

Lab File: VX004653.D

Acq: 18 Sep 2018 13:09

Tgt Ion:	130	Resp:	20792
Ion	Ratio	Lower	Upper
130	100		
95	97.0	0.0	181.6





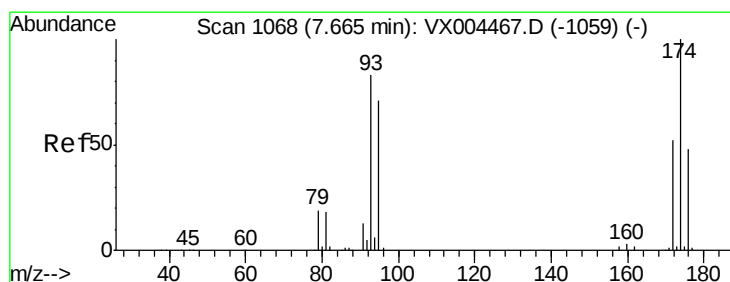
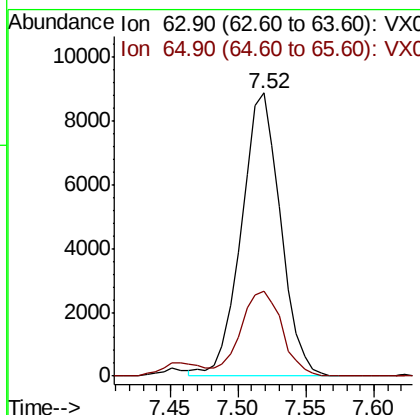
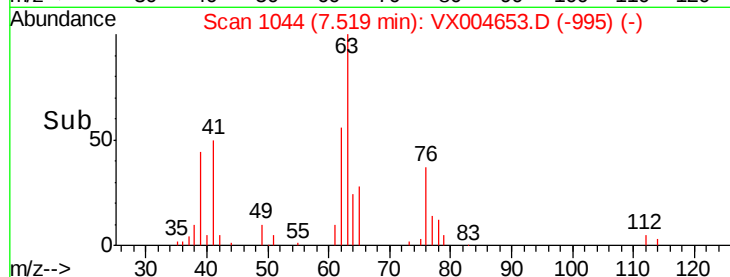
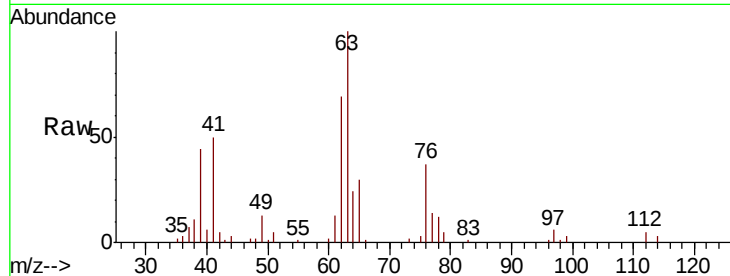
#45
 1,2-Dichloropropane
 Concen: 18.294 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.00 min
 Lab File: VX004653.D
 Acq: 18 Sep 2018 13:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBSD01

Tgt Ion: 63 Resp: 17938
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.3 36.5

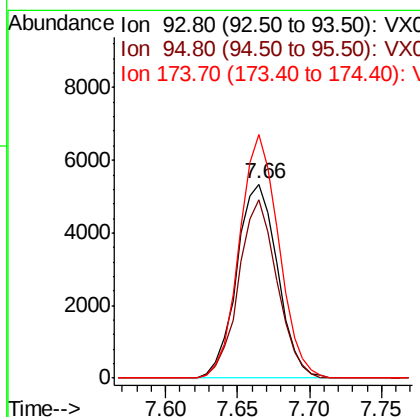
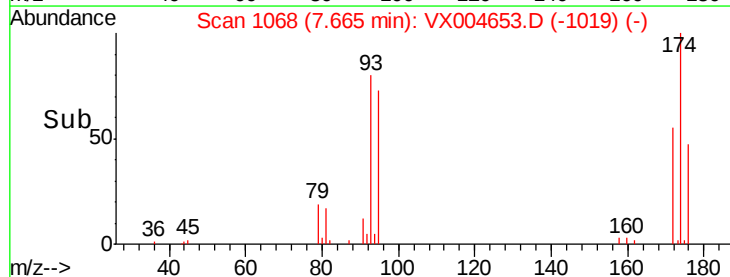
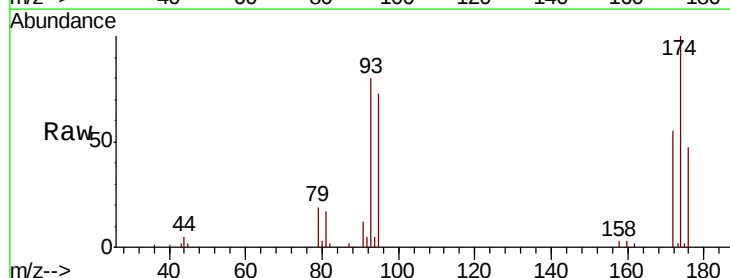
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#46
 Dibromomethane
 Concen: 17.026 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VX004653.D
 Acq: 18 Sep 2018 13:09

Tgt Ion: 93 Resp: 10547
 Ion Ratio Lower Upper
 93 100
 95 86.3 65.5 98.3
 174 120.6 94.2 141.4





#47

Bromodichloromethane

Concen: 16.952 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VX004653.D

Acq: 18 Sep 2018 13:09

Instrument :

MSVOA_X

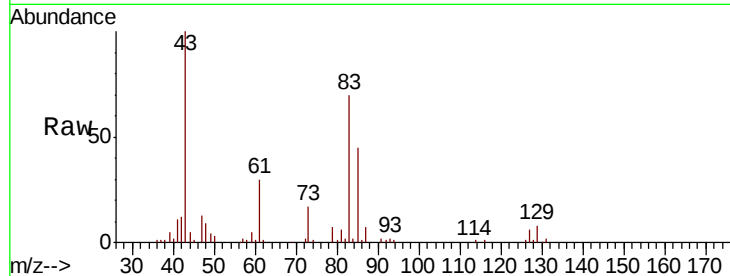
ClientSampleId :

VX0918WBSD01

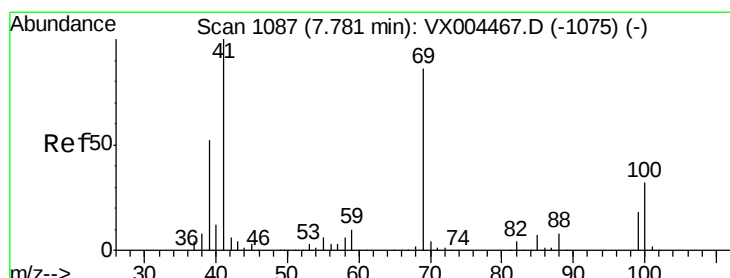
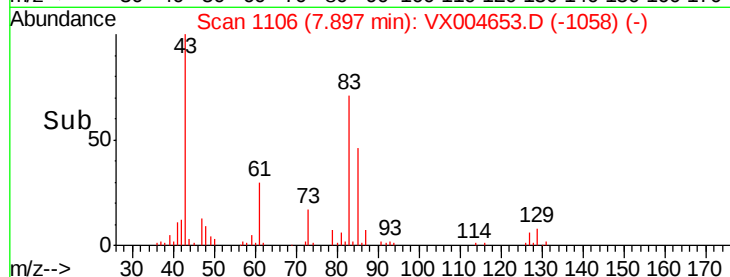
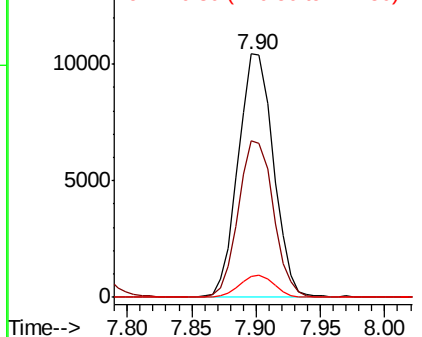
Tgt Ion:	83	Resp:	19858
Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.9	76.3
127	8.3	7.3	10.9

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



#48

Methyl methacrylate

Concen: 20.025 ug/l

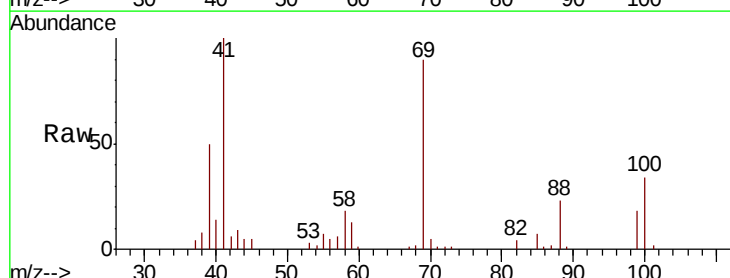
RT: 7.78 min Scan# 1087

Delta R.T. 0.00 min

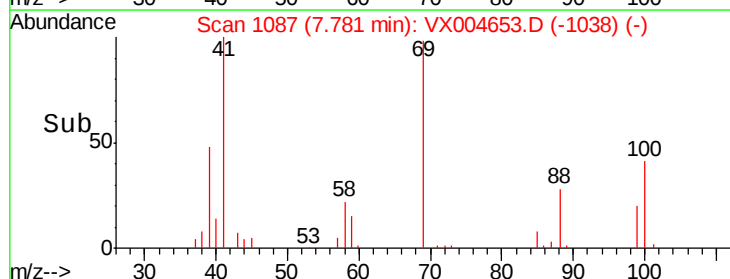
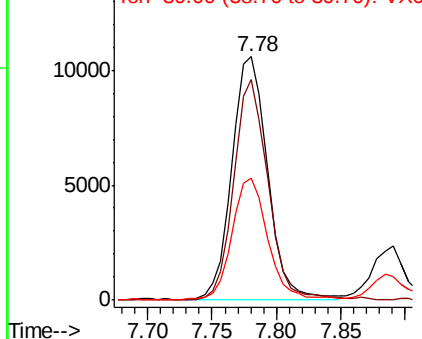
Lab File: VX004653.D

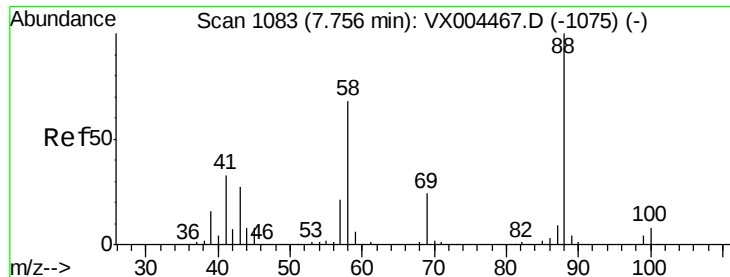
Acq: 18 Sep 2018 13:09

Tgt Ion:	41	Resp:	20561
Ion	Ratio	Lower	Upper
41	100		
69	86.6	70.2	105.4
39	50.2	42.7	64.1



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





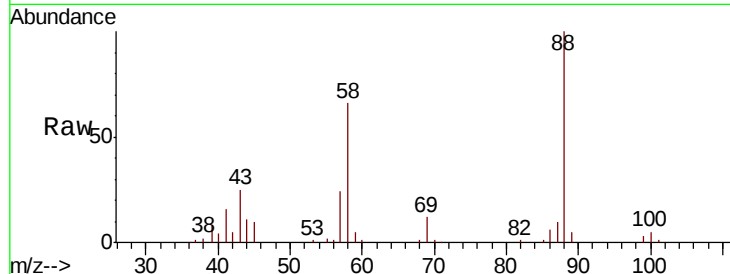
#49
1,4-Dioxane
Concen: 841.439 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.00 min
Lab File: VX004653.D
Acq: 18 Sep 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	27.6	24.7	37.1
58	70.5	55.3	82.9

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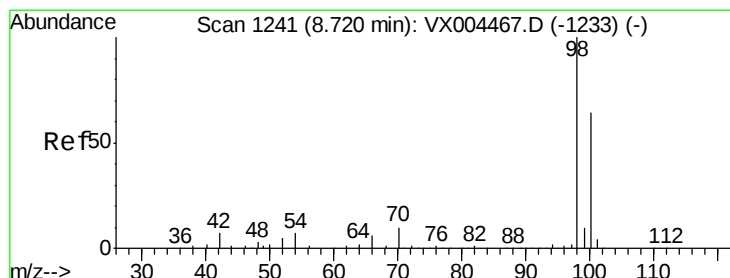
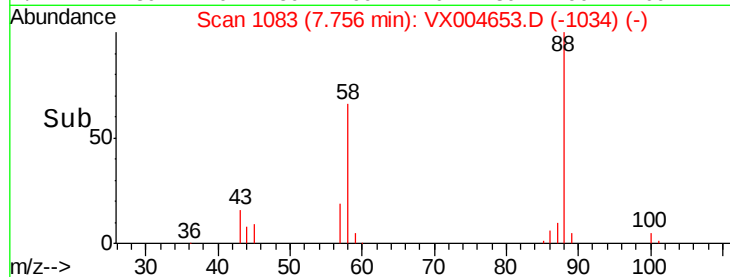
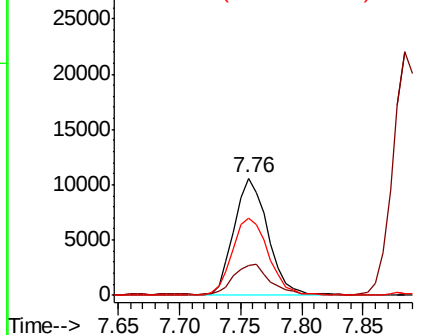


Abundance

Ion 88.00 (87.70 to 88.70): VX0

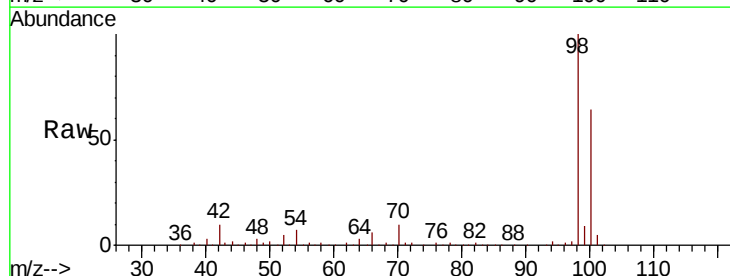
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 47.143 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VX004653.D
Acq: 18 Sep 2018 13:09

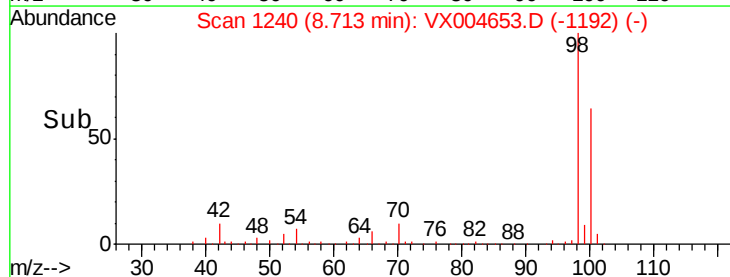
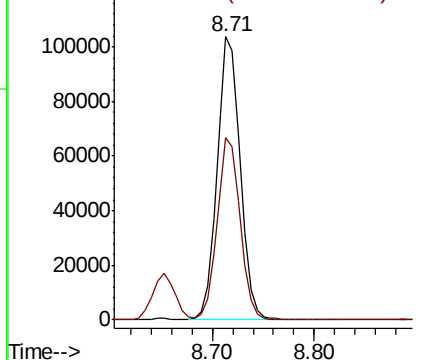
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.9	79.3

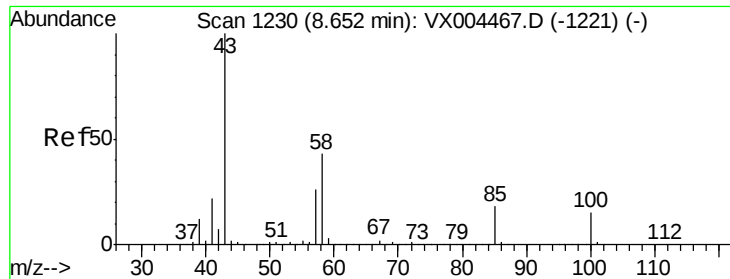


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





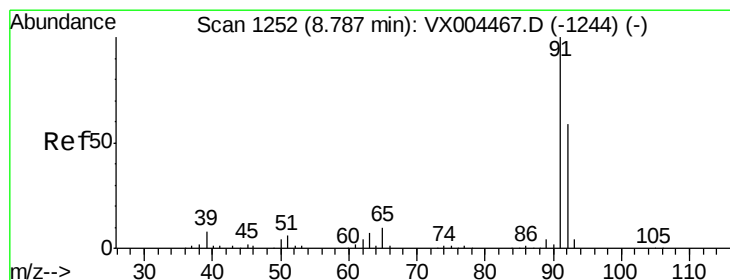
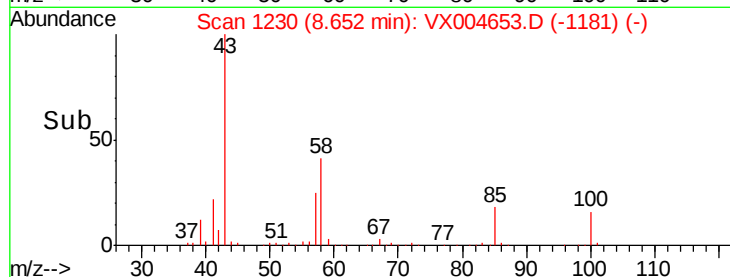
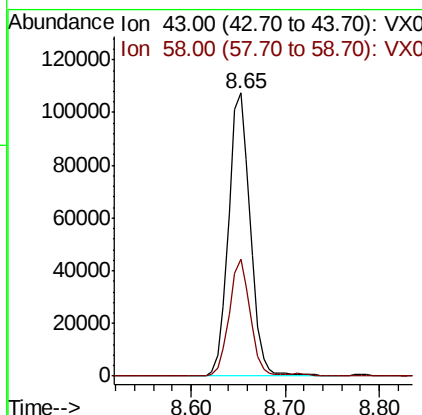
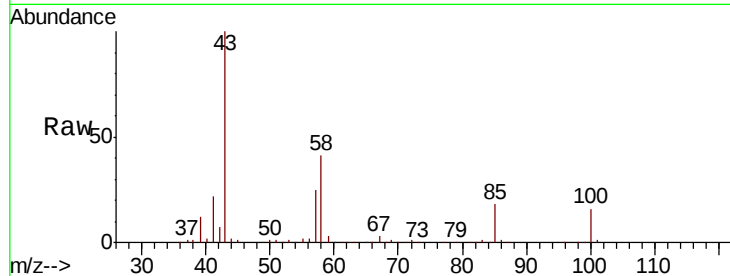
#51
4-Methyl-2-Pentanone
Concen: 117.871 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VX004653.D
Acq: 18 Sep 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

Tgt Ion: 43 Resp: 172575
Ion Ratio Lower Upper
43 100
58 39.4 33.1 49.7

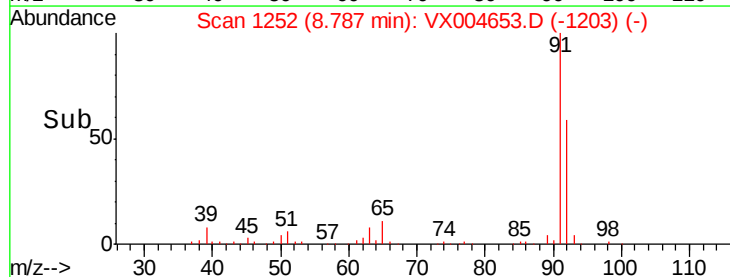
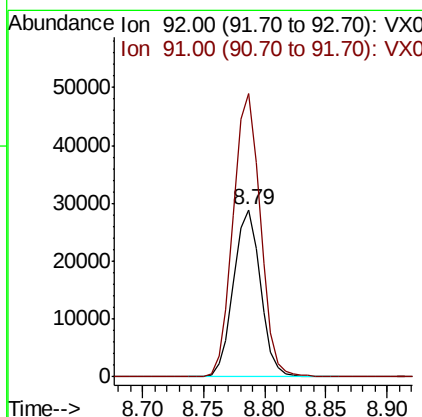
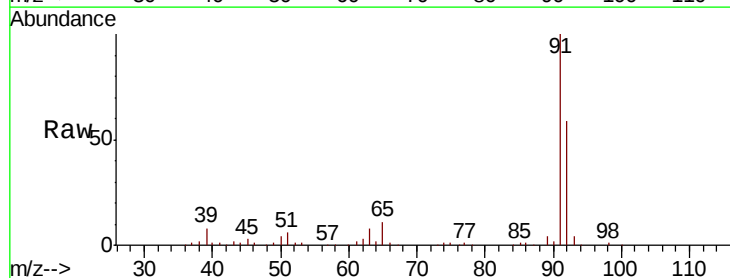
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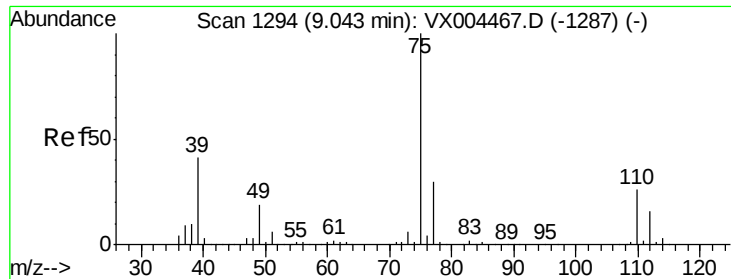
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#52
Toluene
Concen: 18.330 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX004653.D
Acq: 18 Sep 2018 13:09

Tgt Ion: 92 Resp: 44008
Ion Ratio Lower Upper
92 100
91 171.6 136.4 204.6





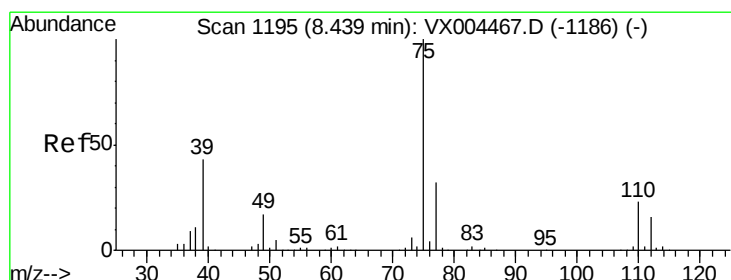
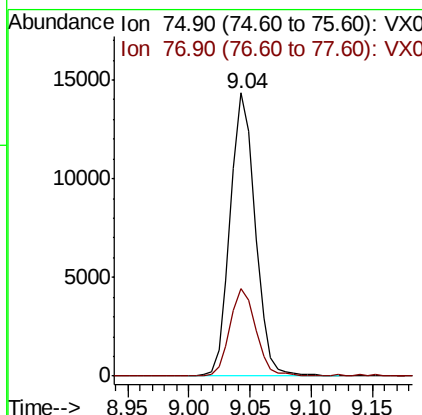
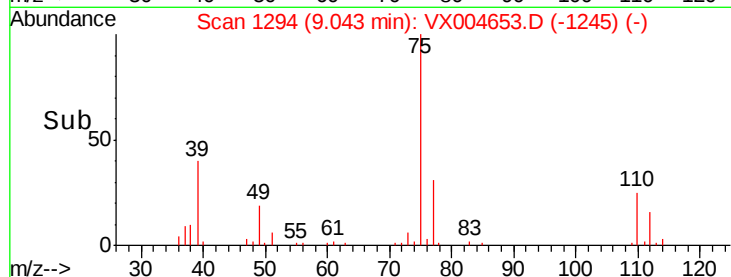
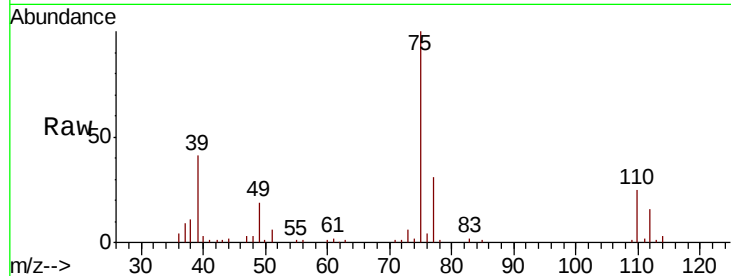
#53
 t-1,3-Dichloropropene
 Concen: 14.831 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. 0.00 min
 Lab File: VX004653.D
 Acq: 18 Sep 2018 13:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBSD01

Tgt Ion: 75 Resp: 20295
 Ion Ratio Lower Upper
 75 100
 77 30.7 24.6 37.0

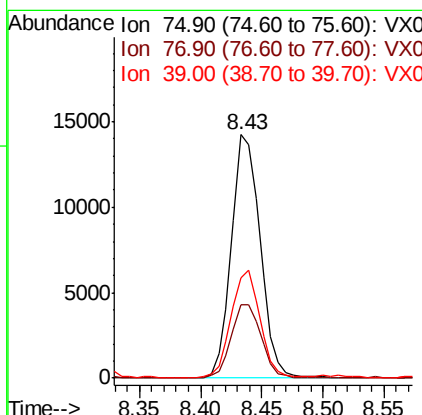
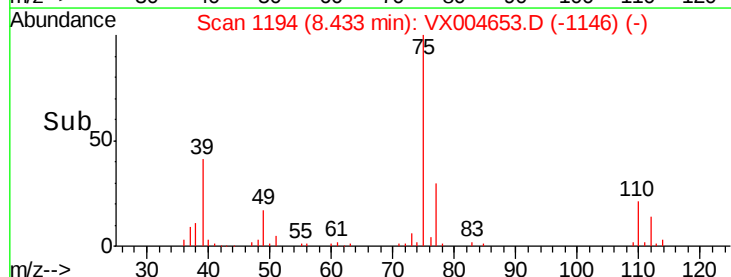
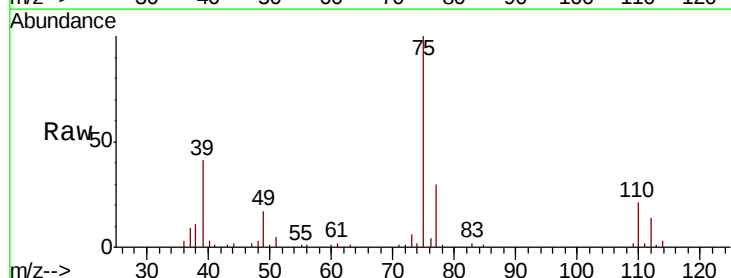
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#54
 cis-1,3-Dichloropropene
 Concen: 16.601 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: VX004653.D
 Acq: 18 Sep 2018 13:09

Tgt Ion: 75 Resp: 23158
 Ion Ratio Lower Upper
 75 100
 77 30.3 26.2 39.2
 39 41.0 36.4 54.6





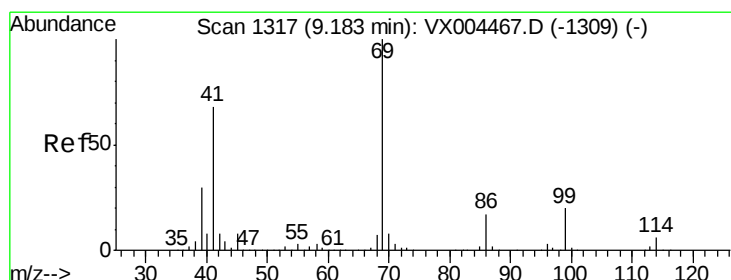
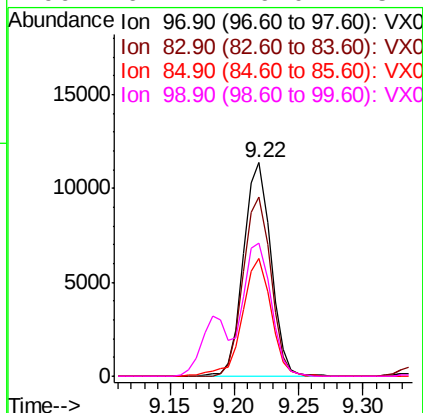
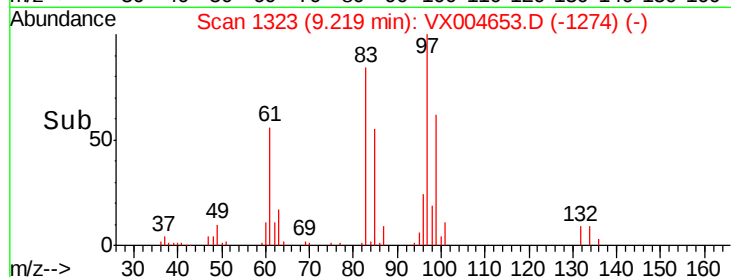
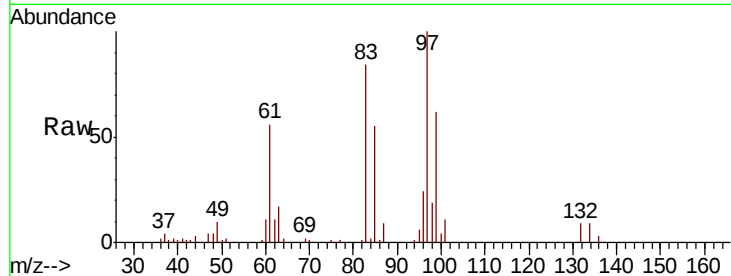
#55
 1,1,2-Trichloroethane
 Concen: 16.295 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VX004653.D
 Acq: 18 Sep 2018 13:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	16845		
83	83.8	66.4	99.6	
85	55.0	43.3	64.9	
99	62.4	49.0	73.4	

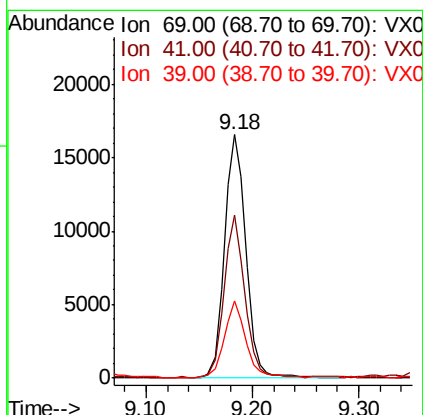
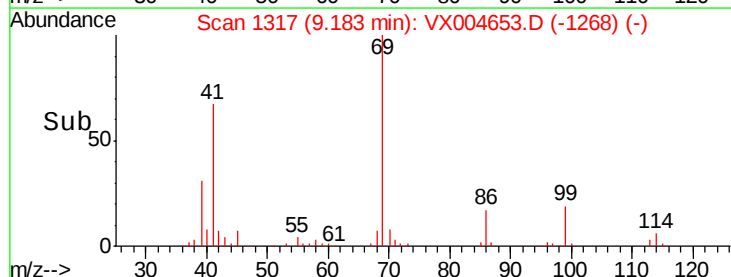
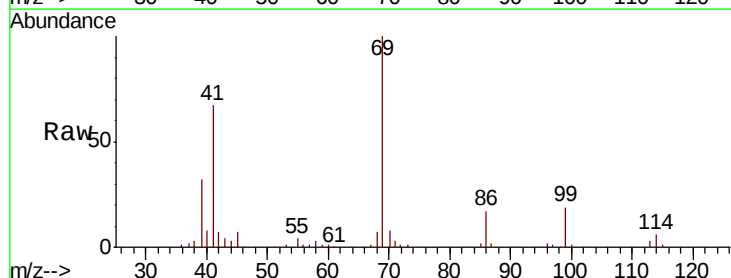
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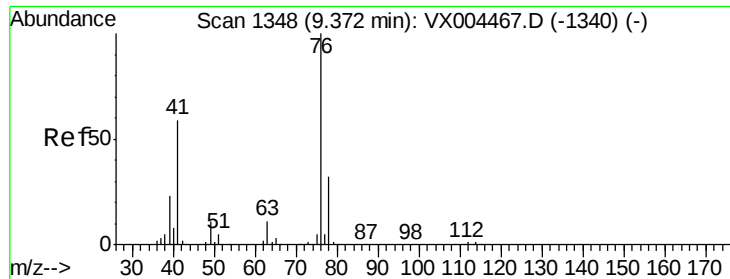
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#56
 Ethyl methacrylate
 Concen: 15.941 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX004653.D
 Acq: 18 Sep 2018 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	23313		
41	65.7	51.0	76.4	
39	32.3	26.1	39.1	





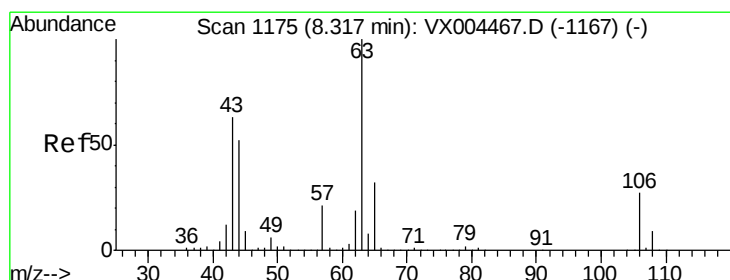
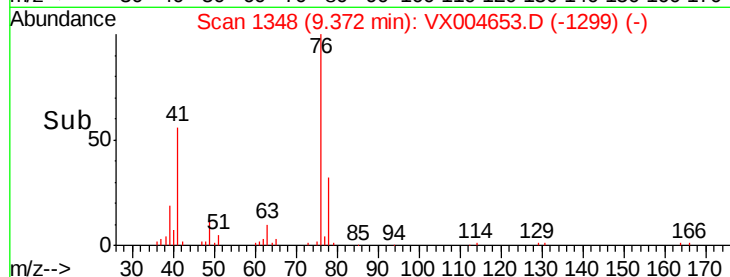
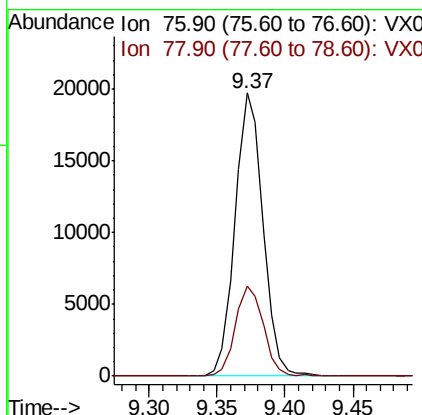
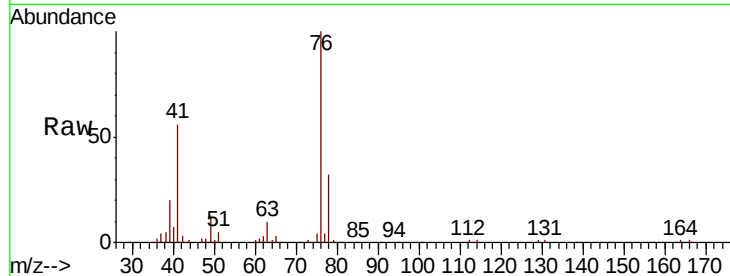
#57
 1,3-Dichloropropane
 Concen: 16.790 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX004653.D
 Acq: 18 Sep 2018 13:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBSD01

Tgt Ion: 76 Resp: 28201
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.5 38.3

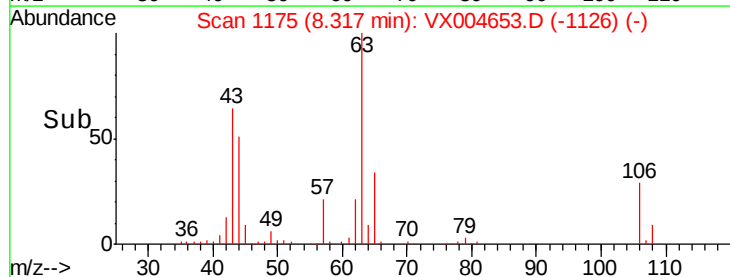
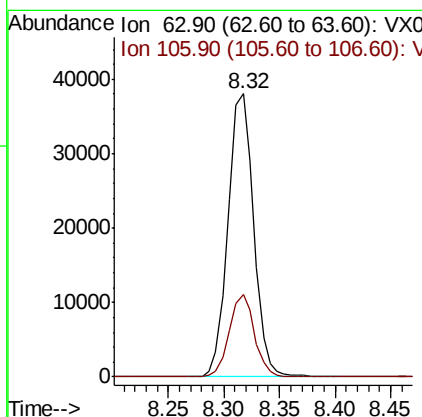
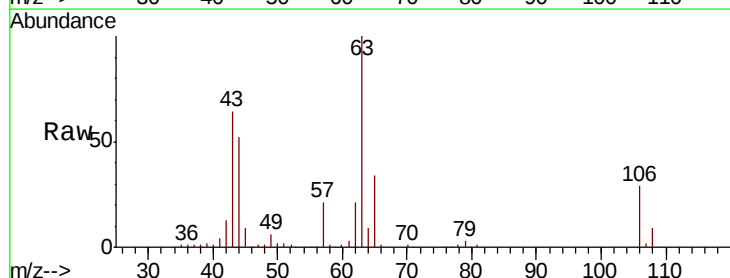
Manual Integrations
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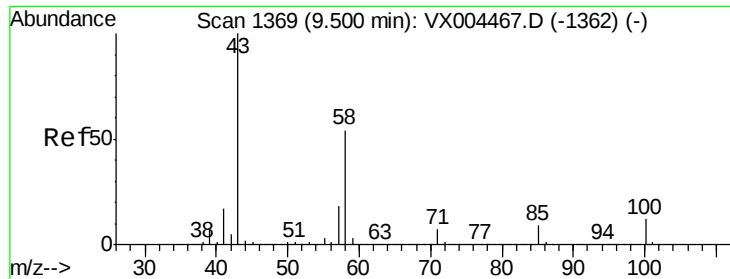
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#58
 2-Chloroethyl Vinyl ether
 Concen: 86.761 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VX004653.D
 Acq: 18 Sep 2018 13:09

Tgt Ion: 63 Resp: 61001
 Ion Ratio Lower Upper
 63 100
 106 28.3 23.9 35.9





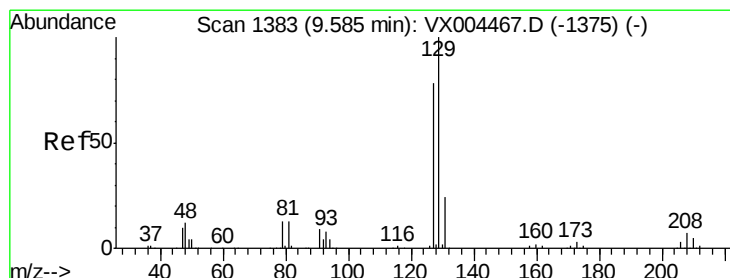
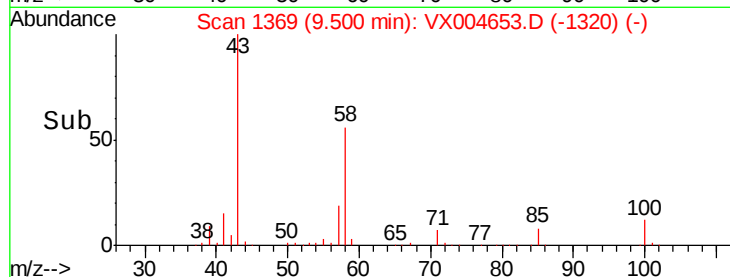
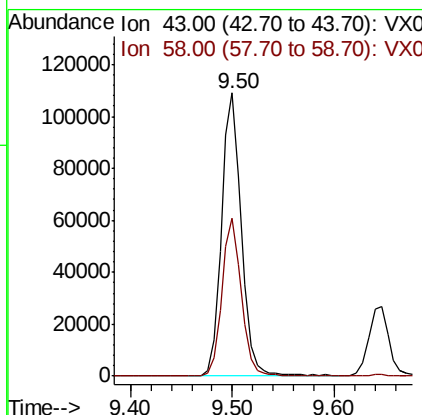
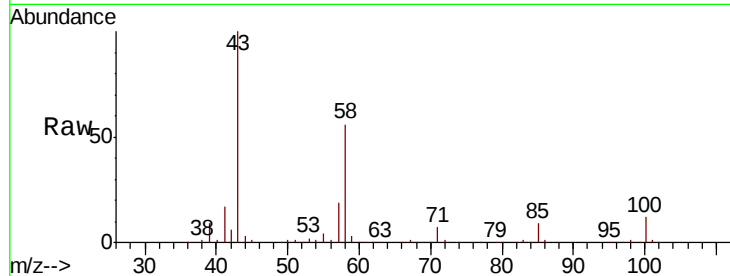
#59
2-Hexanone
Concen: 131.832 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VX004653.D
Acq: 18 Sep 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

Tgt Ion: 43 Resp: 148050
Ion Ratio Lower Upper
43 100
58 54.8 29.0 87.0

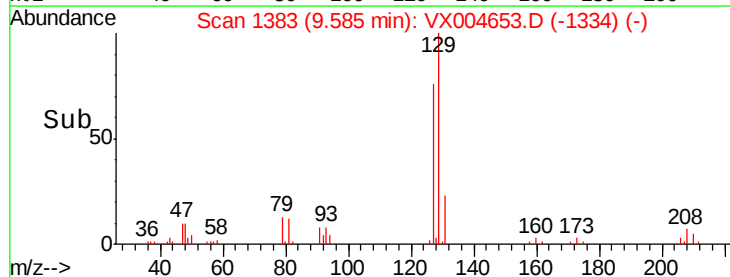
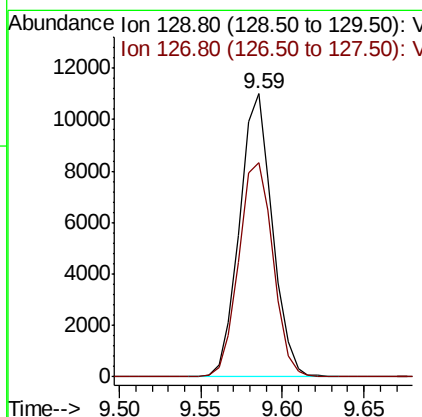
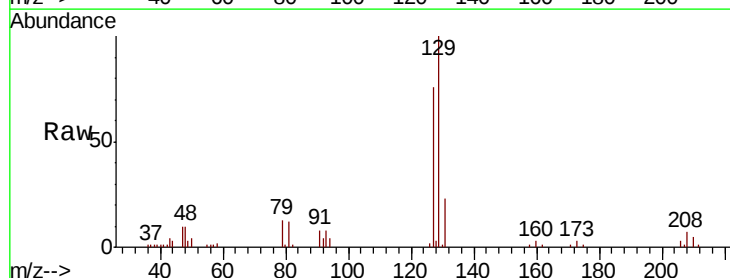
Manual Integrations
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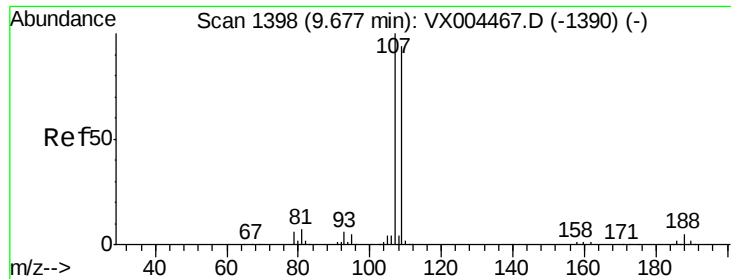
MMDadoda
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#60
Dibromochloromethane
Concen: 15.913 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX004653.D
Acq: 18 Sep 2018 13:09

Tgt Ion: 129 Resp: 15487
Ion Ratio Lower Upper
129 100
127 78.7 38.5 115.5





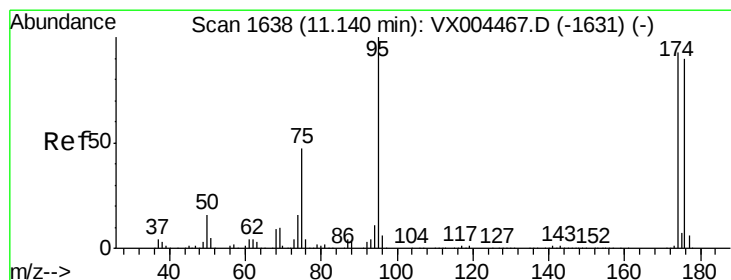
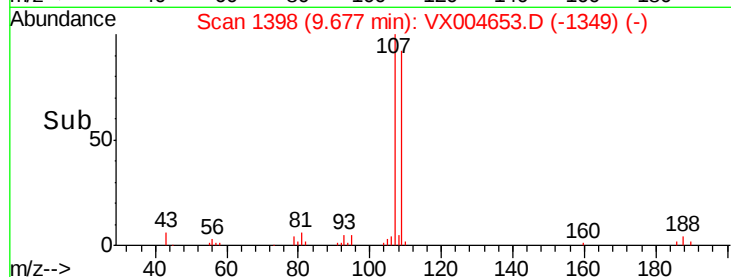
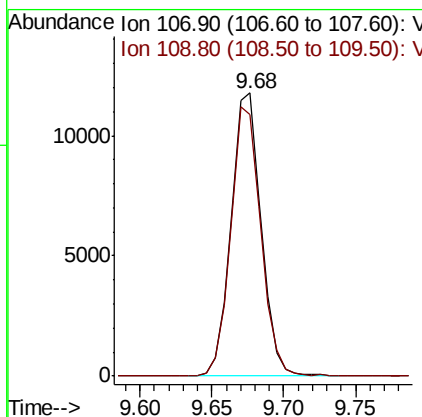
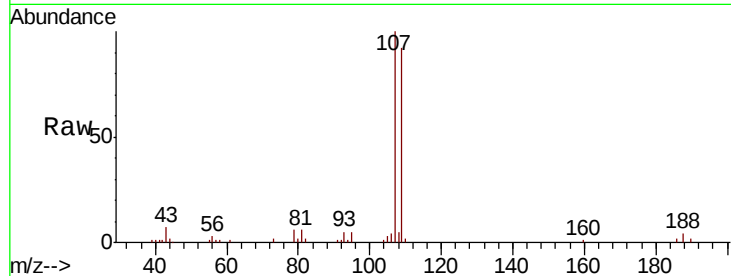
#61
 1,2-Dibromoethane
 Concen: 17.395 ug/l
 RT: 9.68 min Scan# 1398
 Delta R.T. 0.00 min
 Lab File: VX004653.D
 Acq: 18 Sep 2018 13:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBSD01

Tgt Ion: 107 Resp: 17178
 Ion Ratio Lower Upper
 107 100
 109 95.7 76.0 114.0

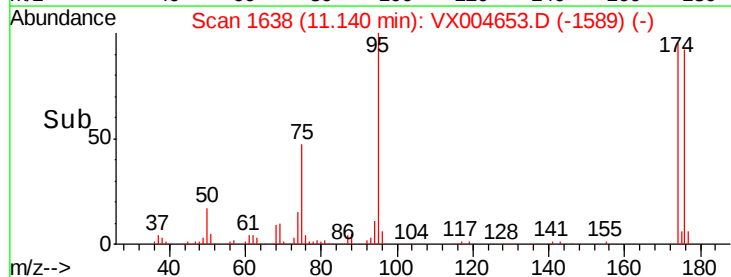
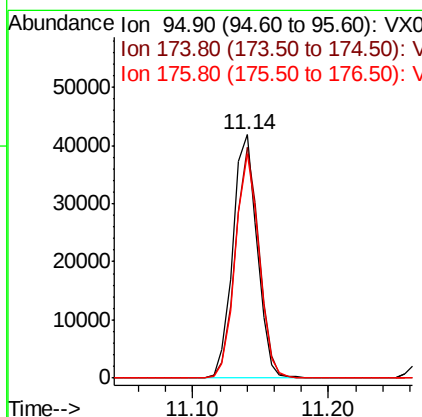
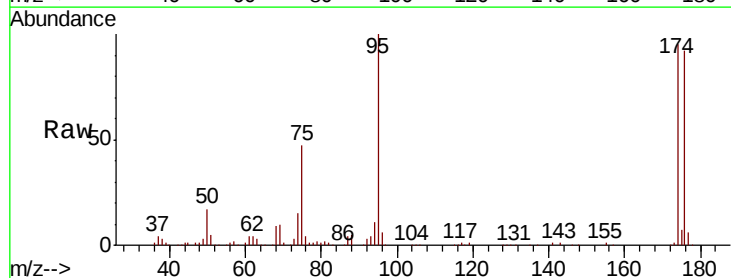
Manual Integrations
 APPROVED

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#62
 4-Bromofluorobenzene
 Concen: 42.018 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.00 min
 Lab File: VX004653.D
 Acq: 18 Sep 2018 13:09

Tgt Ion: 95 Resp: 52068
 Ion Ratio Lower Upper
 95 100
 174 93.0 0.0 185.2
 176 89.8 0.0 178.6





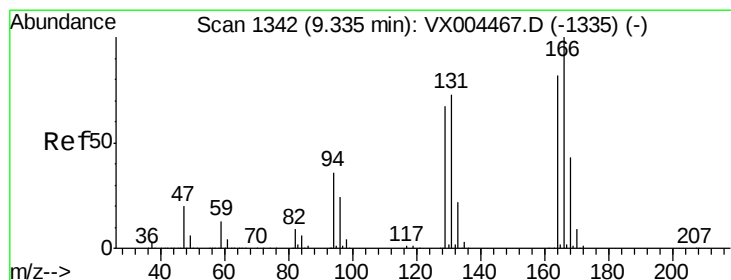
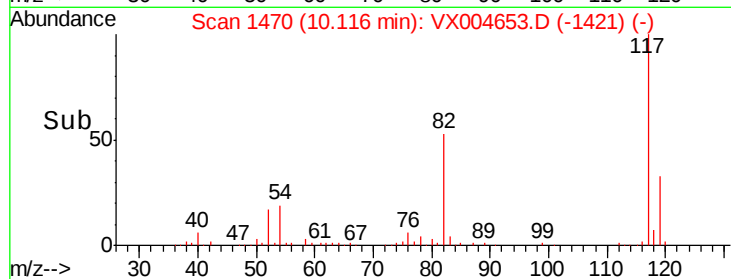
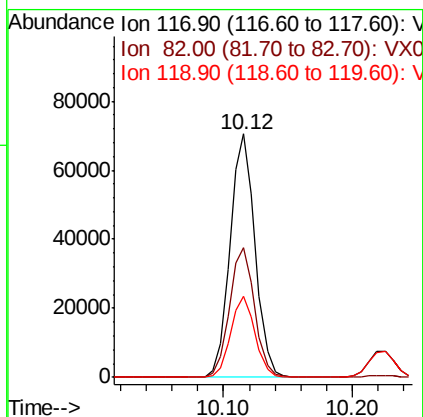
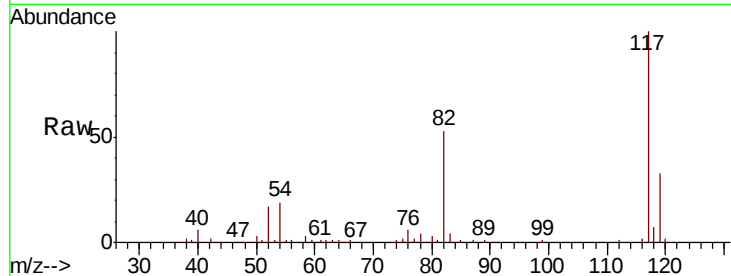
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004653.D
Acq: 18 Sep 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.0	47.8	71.6
119	33.2	29.3	43.9

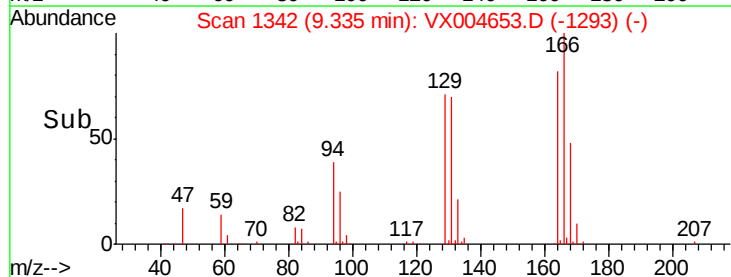
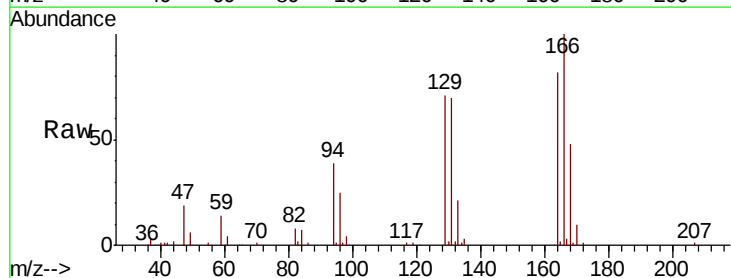
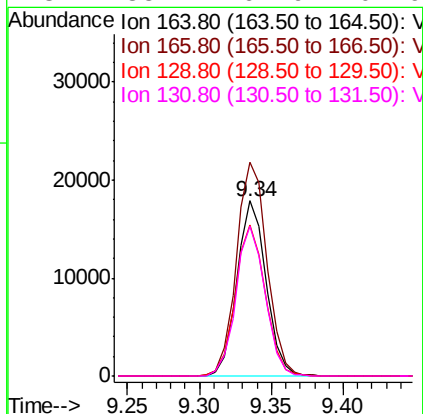
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APPROVED

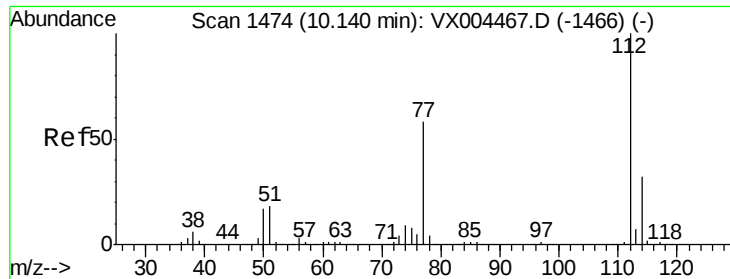
MMDadoda
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#64
Tetrachloroethene
Concen: 21.050 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX004653.D
Acq: 18 Sep 2018 13:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.9	102.8	154.2
129	86.0	69.4	104.0
131	85.1	67.9	101.9





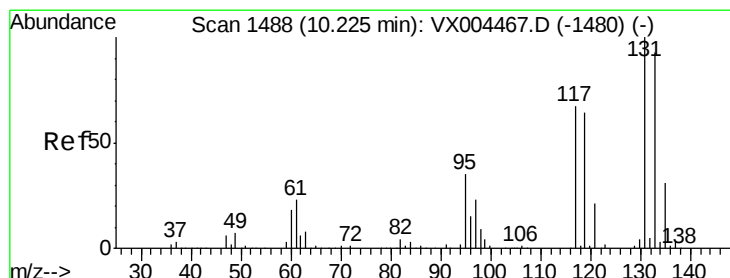
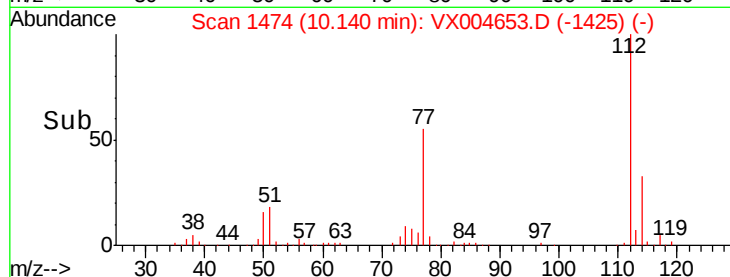
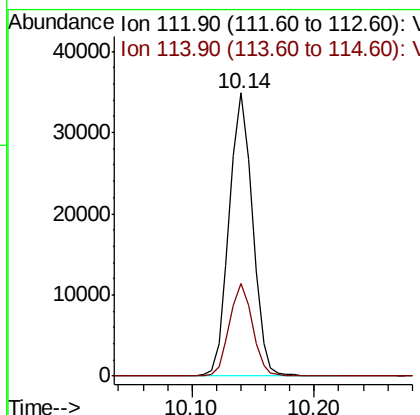
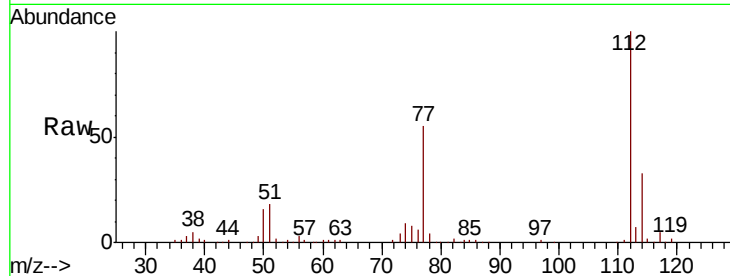
#65
Chlorobenzene
Concen: 19.398 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX004653.D
Acq: 18 Sep 2018 13:09

Instrument :
MSVOA_X
ClientSampled :
VX0918WBSD01

Tgt Ion:112 Resp: 46149
Ion Ratio Lower Upper
112 100
114 32.7 27.8 41.8

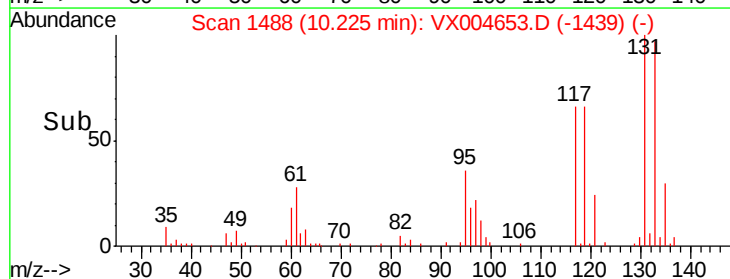
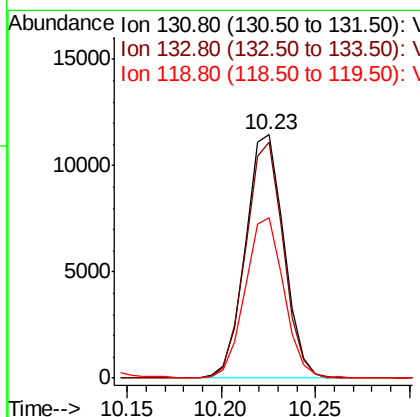
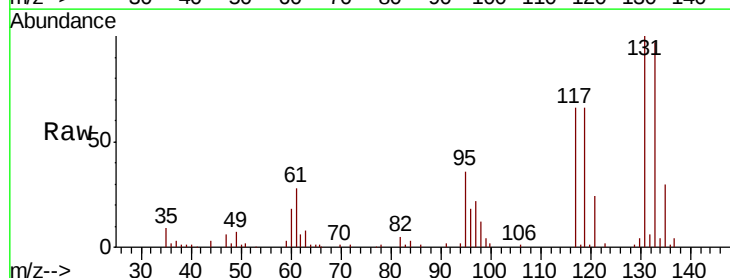
Manual Integrations
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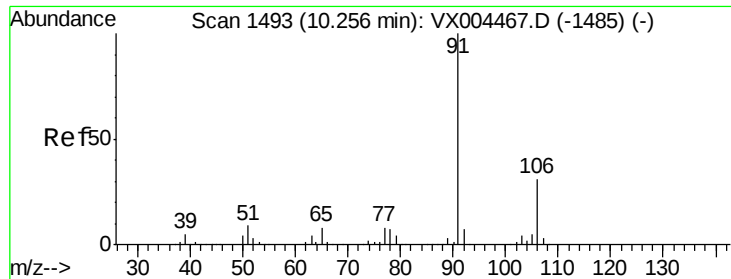
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.751 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VX004653.D
Acq: 18 Sep 2018 13:09

Tgt Ion:131 Resp: 16204
Ion Ratio Lower Upper
131 100
133 95.3 48.1 144.4
119 66.1 32.9 98.6





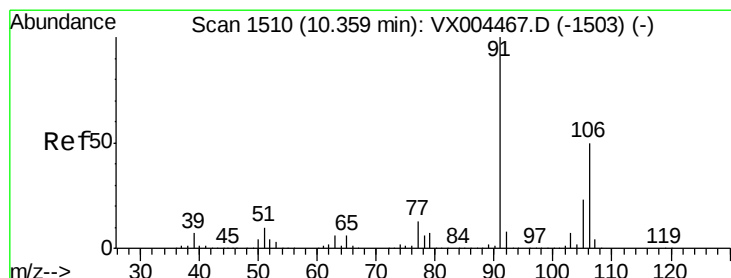
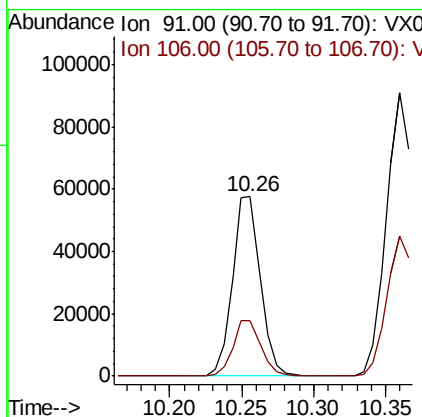
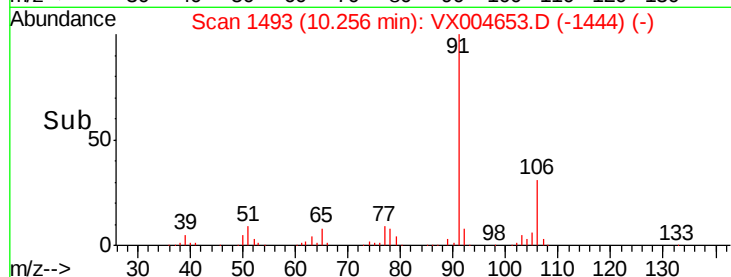
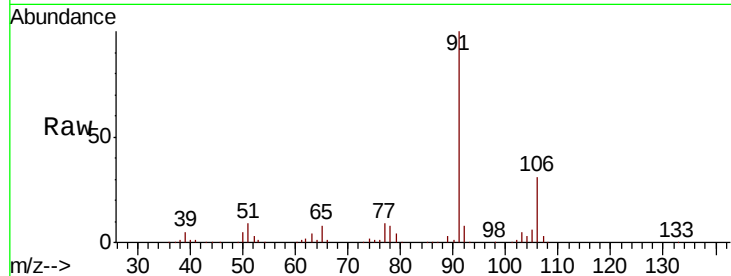
#67
Ethyl Benzene
Concen: 20.254 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VX004653.D
Acq: 18 Sep 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

Tgt Ion: 91 Resp: 78352
Ion Ratio Lower Upper
91 100
106 31.0 25.9 38.9

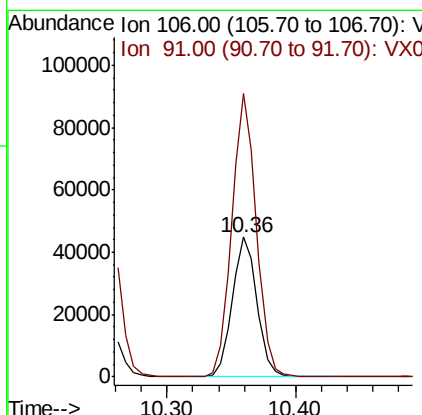
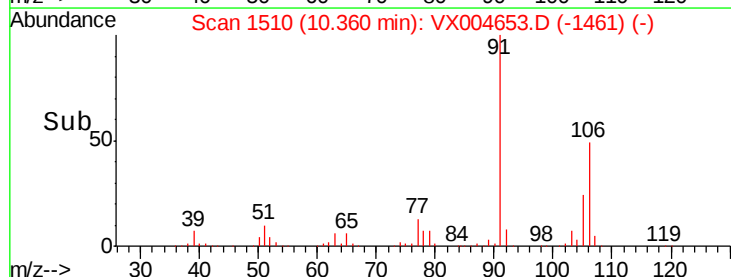
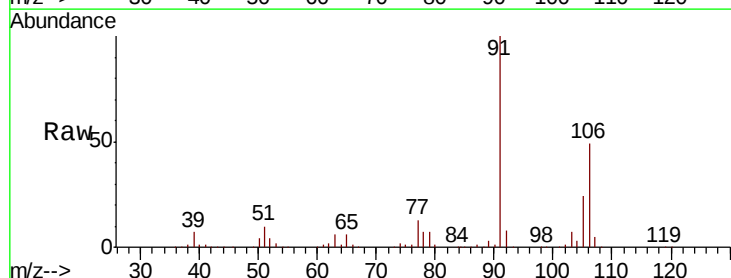
Manual Integrations
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#68
m/p-Xylenes
Concen: 40.188 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX004653.D
Acq: 18 Sep 2018 13:09

Tgt Ion: 106 Resp: 59886
Ion Ratio Lower Upper
106 100
91 201.4 157.1 235.7





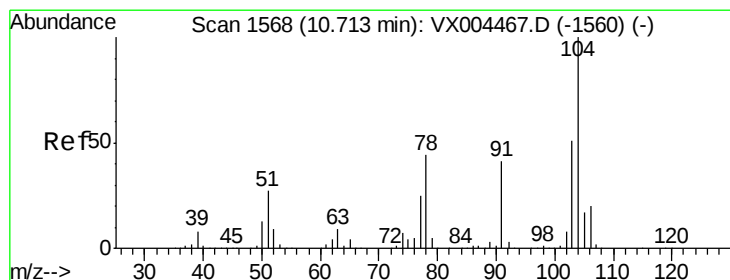
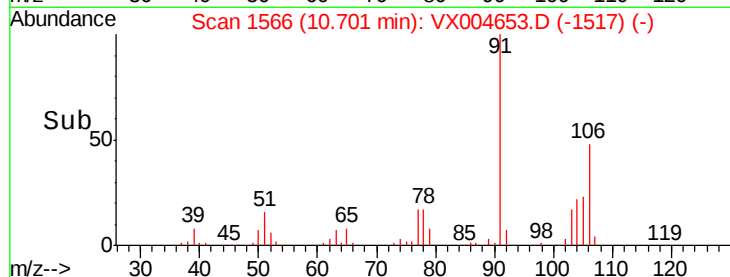
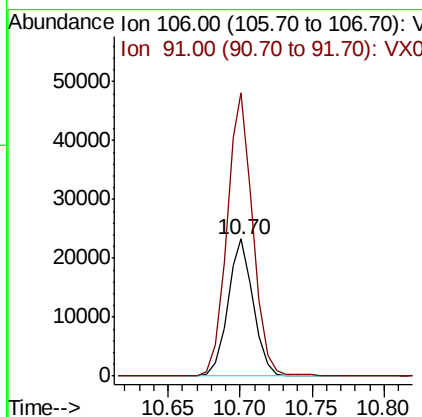
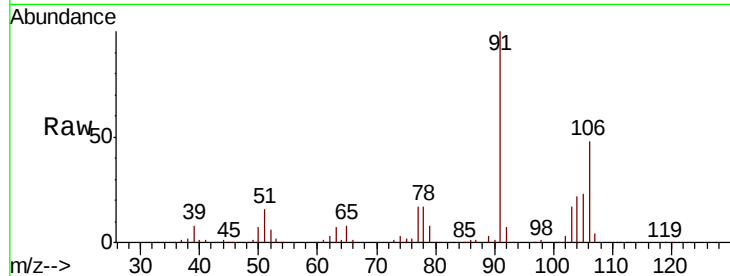
#69
o-Xylene
Concen: 20.065 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX004653.D
Acq: 18 Sep 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

Tgt Ion:106 Resp: 28746
Ion Ratio Lower Upper
106 100
91 210.6 105.1 315.1

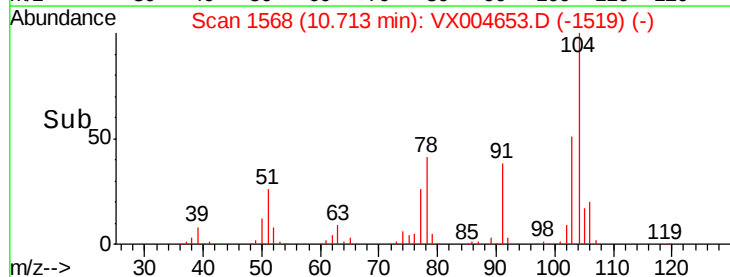
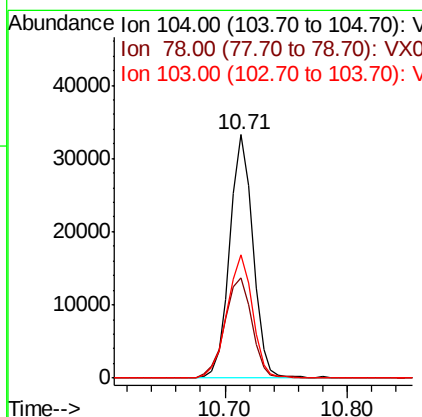
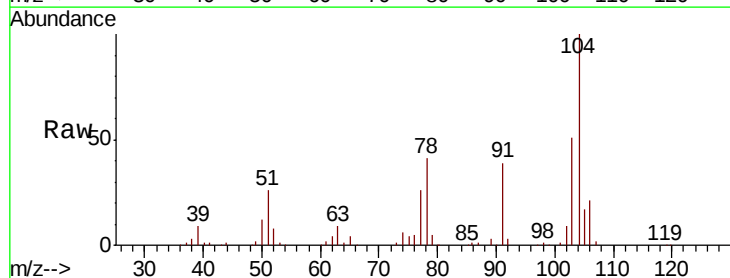
Manual Integrations
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#70
Styrene
Concen: 18.376 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX004653.D
Acq: 18 Sep 2018 13:09

Tgt Ion:104 Resp: 43613
Ion Ratio Lower Upper
104 100
78 48.0 37.4 56.0
103 55.8 43.8 65.6





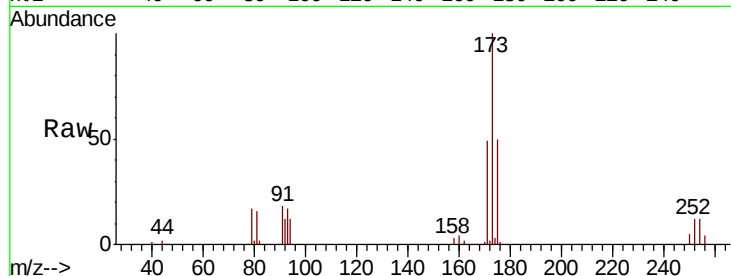
#71
Bromoform
Concen: 18.713 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX004653.D
Acq: 18 Sep 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

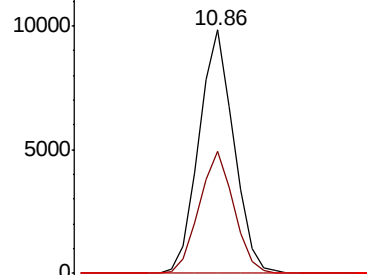
Tgt Ion	Ratio	Lower	Upper
173	100		
175	50.0	24.1	72.3
254	0.0	0.2	0.2

Manual Integrations
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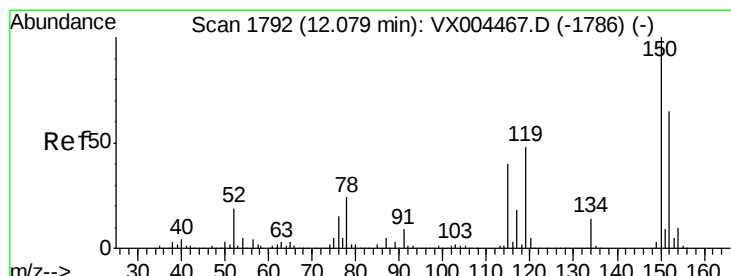
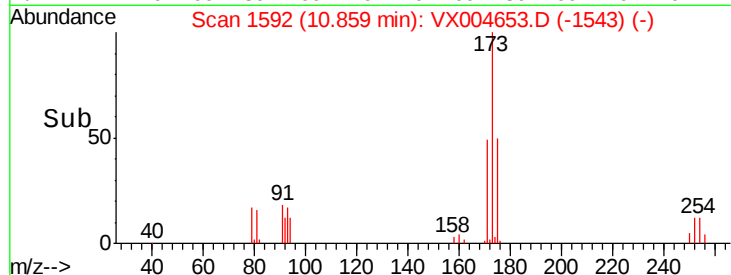
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

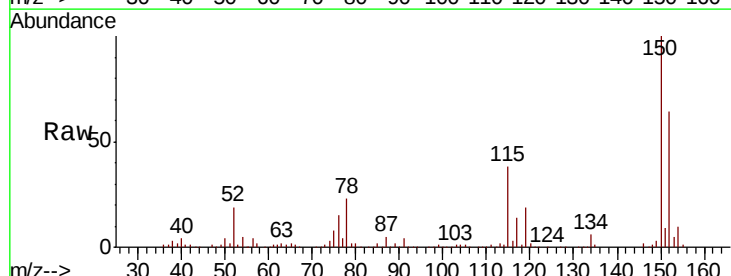


Time-->

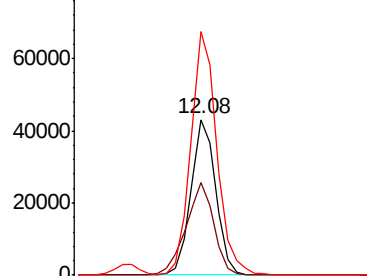


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX004653.D
Acq: 18 Sep 2018 13:09

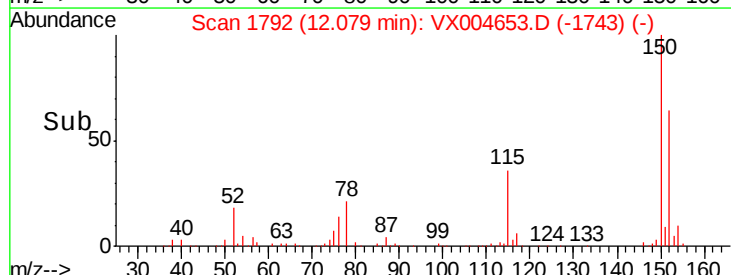
Tgt Ion	Ratio	Lower	Upper
152	100		
115	66.7	39.0	117.0
150	164.4	0.0	351.0

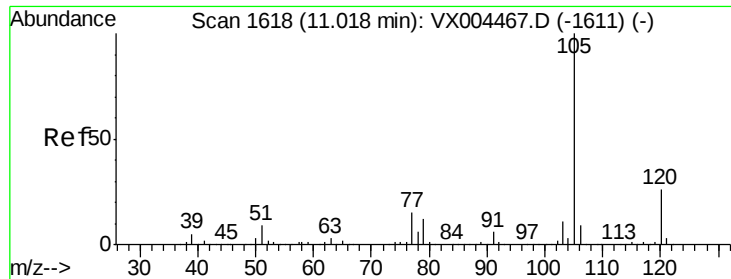


Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



Time-->





#73

Isopropylbenzene

Concen: 24.412 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX004653.D

Acq: 18 Sep 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

Tgt Ion: 105 Resp: 84092

Ion Ratio Lower Upper

105 100

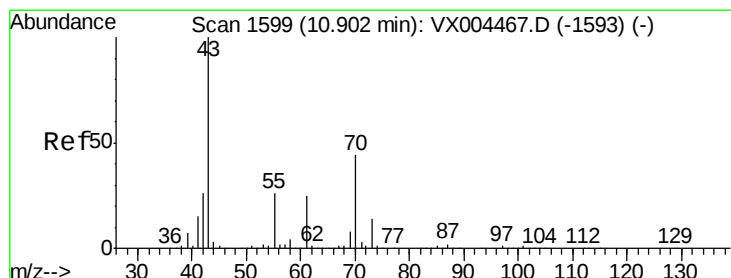
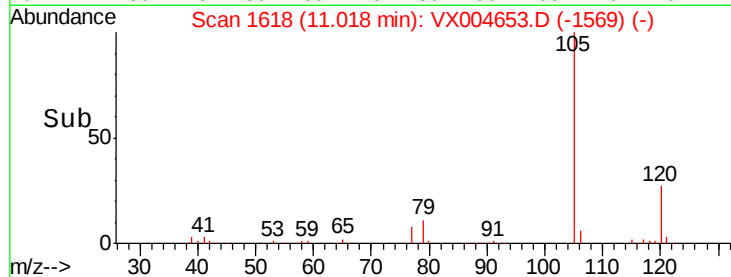
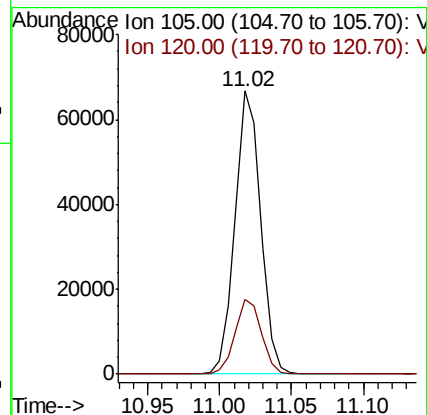
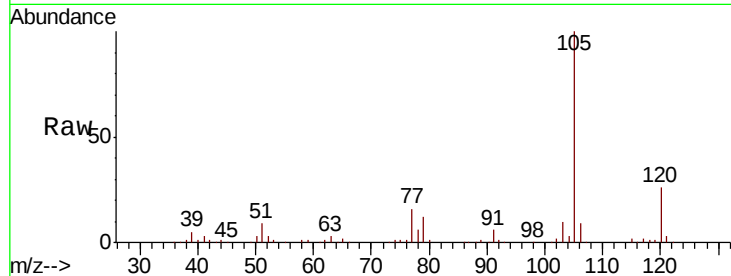
120 27.1 13.5 40.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 20.530 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX004653.D

Acq: 18 Sep 2018 13:09

Tgt Ion: 43 Resp: 29766

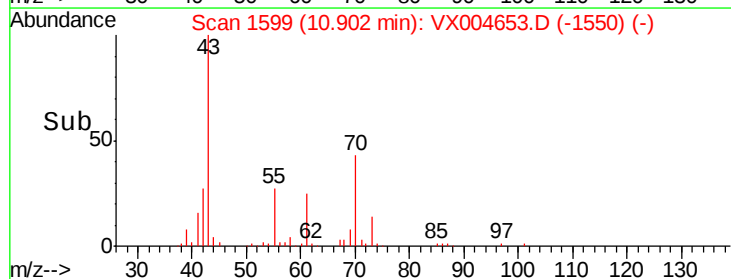
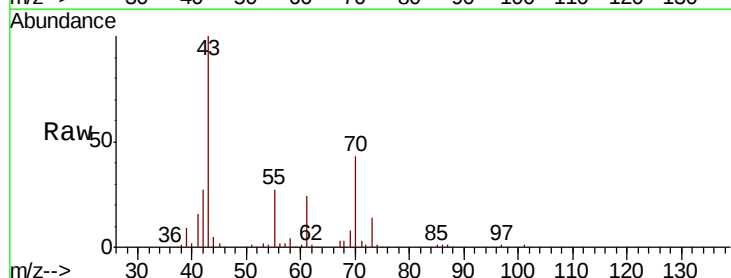
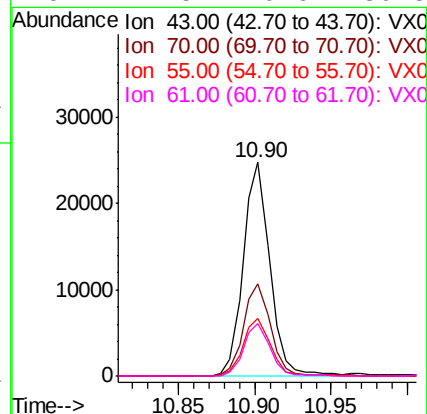
Ion Ratio Lower Upper

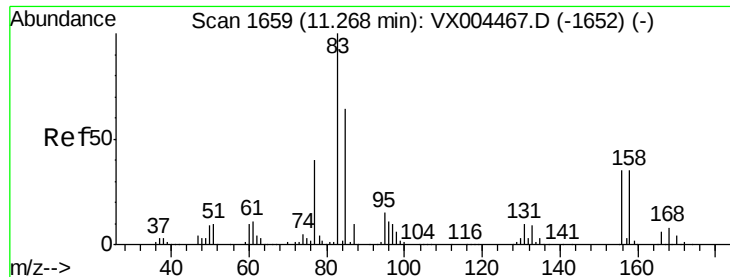
43 100

70 44.0 37.4 56.0

55 28.4 21.8 32.8

61 24.5 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 23.612 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX004653.D

Acq: 18 Sep 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

Tgt Ion: 83 Resp: 26236

Ion Ratio Lower Upper

83 100

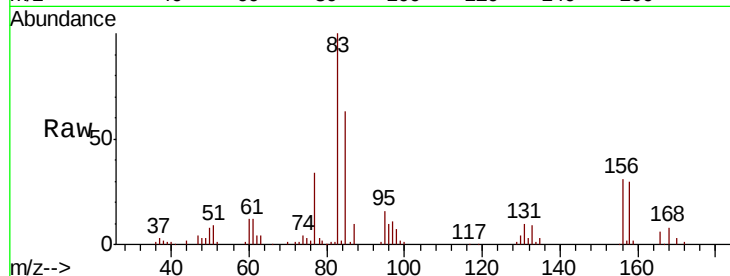
131 10.6 5.2 15.6

85 64.6 32.3 96.8

Manual Integrations
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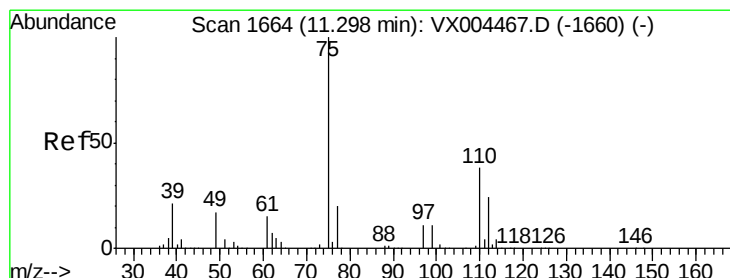
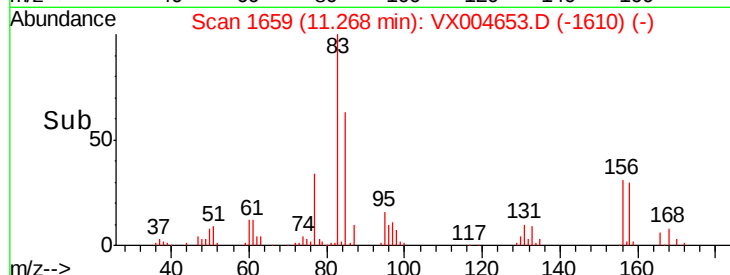
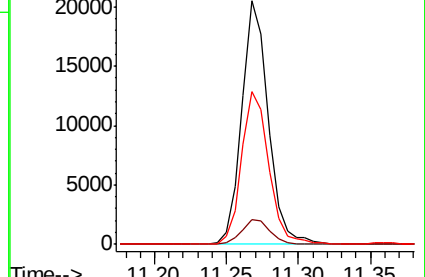
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 27.140 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX004653.D

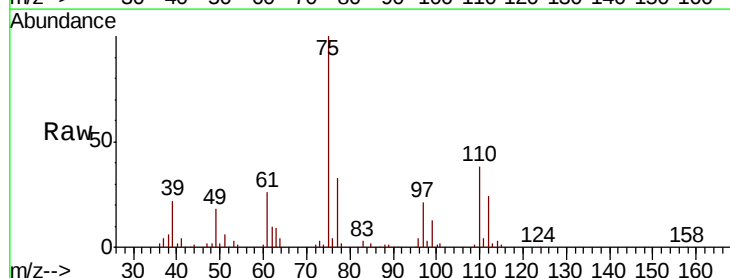
Acq: 18 Sep 2018 13:09

Tgt Ion: 75 Resp: 28560

Ion Ratio Lower Upper

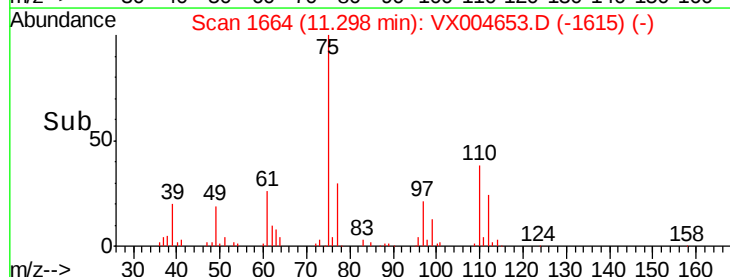
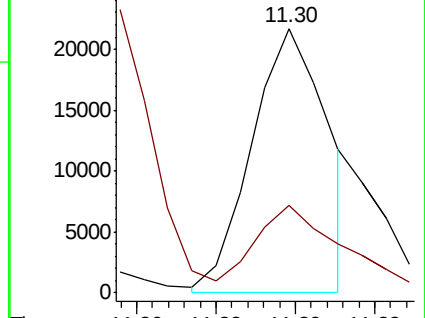
75 100

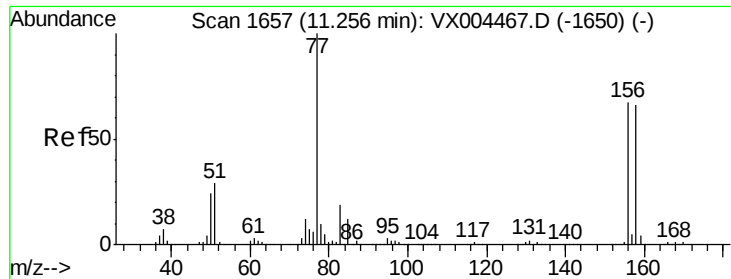
77 39.6 20.2 60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 21.339 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX004653.D

Acq: 18 Sep 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

Tgt Ion: 156 Resp: 20318

Ion Ratio Lower Upper

156 100

77 143.9 71.5 214.3

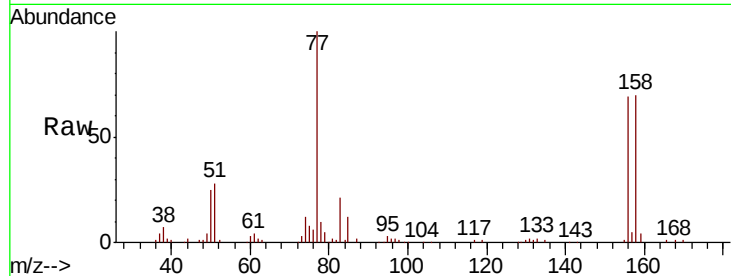
158 98.4 48.9 146.8

Manual Integrations

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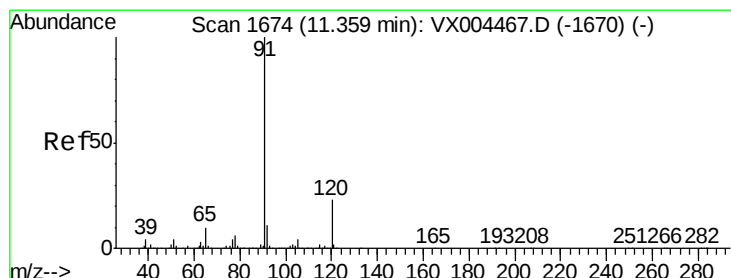
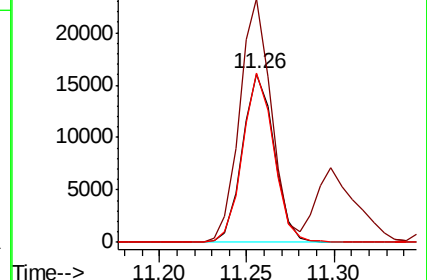
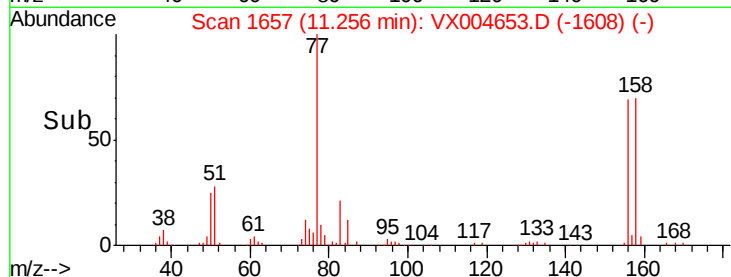
9/19/2018 12:51:14 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 23.613 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX004653.D

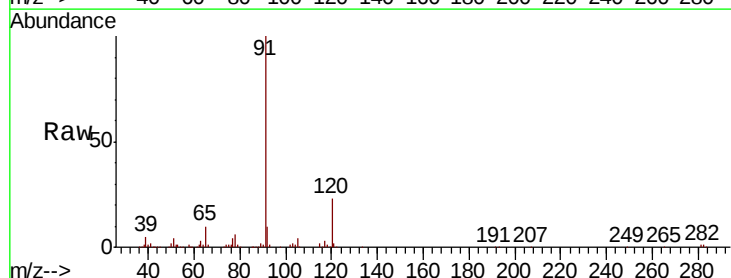
Acq: 18 Sep 2018 13:09

Tgt Ion: 91 Resp: 93524

Ion Ratio Lower Upper

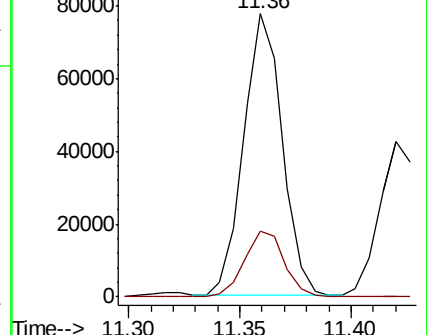
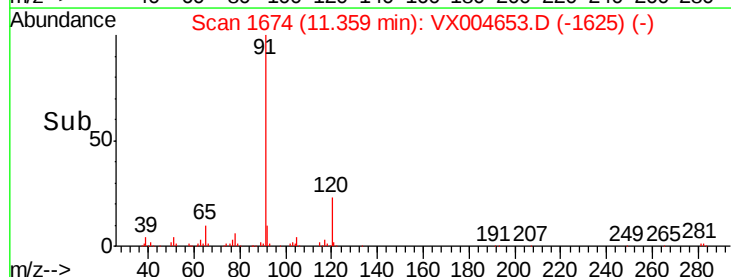
91 100

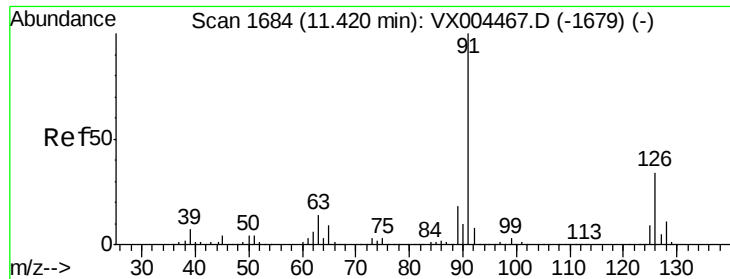
120 24.2 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





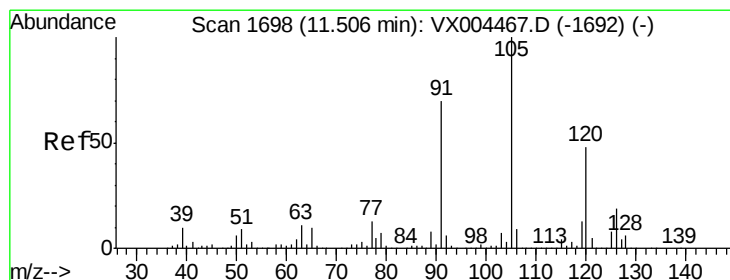
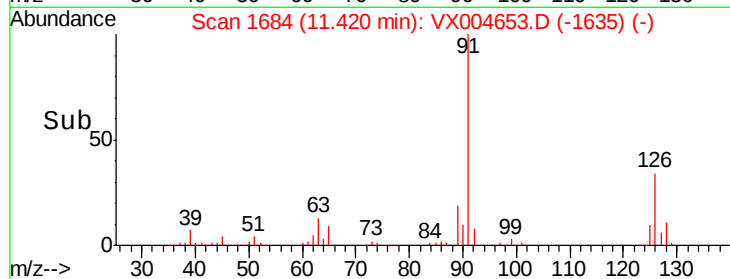
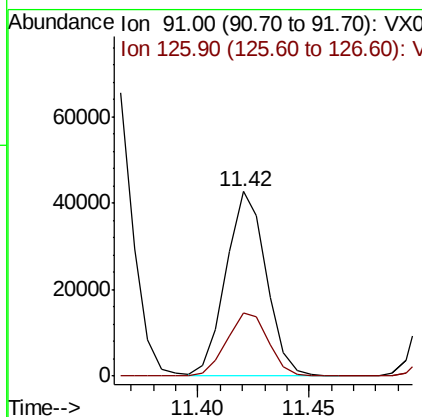
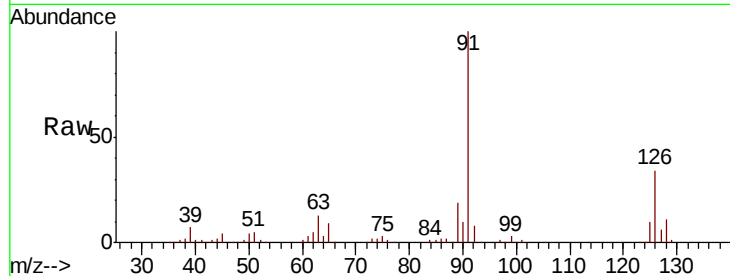
#79
2-Chlorotoluene
Concen: 22.180 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VX004653.D
Acq: 18 Sep 2018 13:09

Instrument :
MSVOA_X
ClientSampled :
VX0918WBSD01

Tgt Ion: 91 Resp: 53281
Ion Ratio Lower Upper
91 100
126 35.8 17.9 53.7

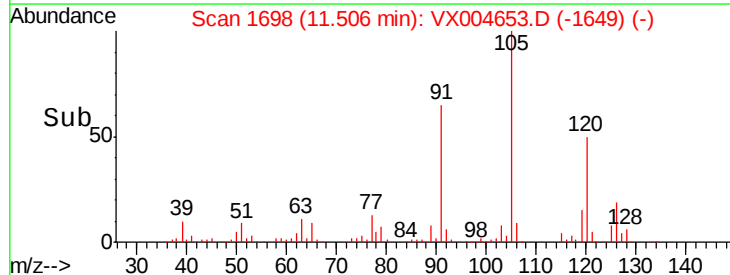
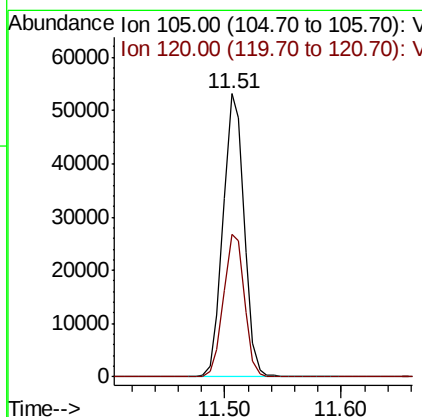
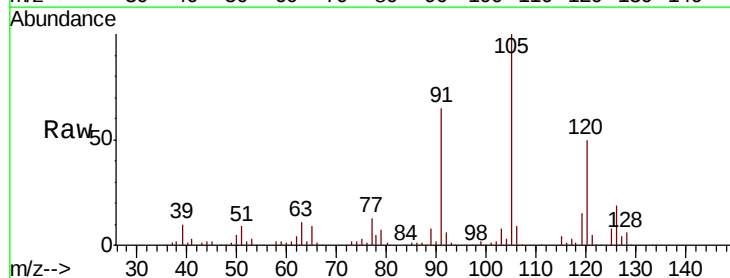
Manual Integrations
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#80
1,3,5-Trimethylbenzene
Concen: 22.976 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX004653.D
Acq: 18 Sep 2018 13:09

Tgt Ion: 105 Resp: 66534
Ion Ratio Lower Upper
105 100
120 50.0 25.6 76.8





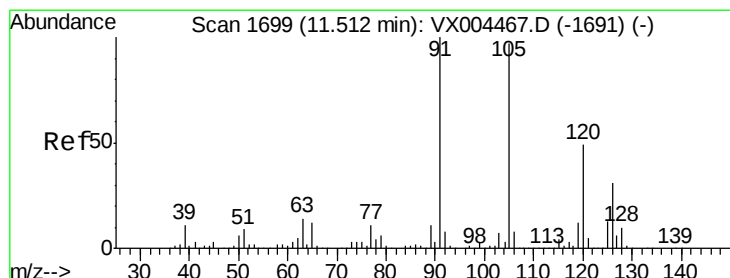
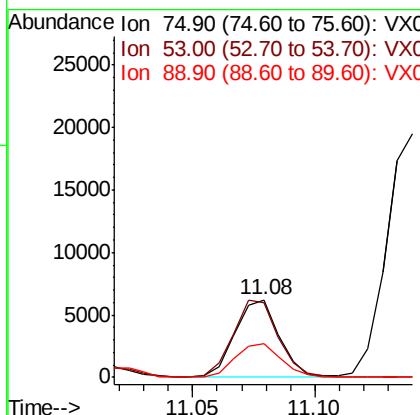
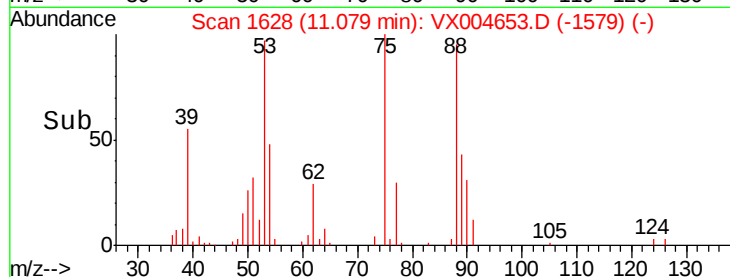
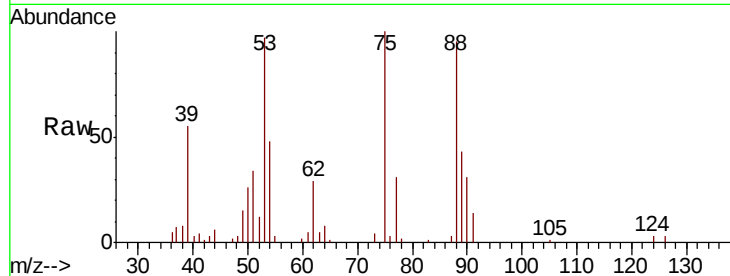
#81
trans-1,4-Dichloro-2-butene
Concen: 23.780 ug/l
RT: 11.08 min Scan# 1628
Delta R.T. 0.00 min
Lab File: VX004653.D
Acq: 18 Sep 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	101.8	80.1	120.1
89	46.0	37.2	55.8

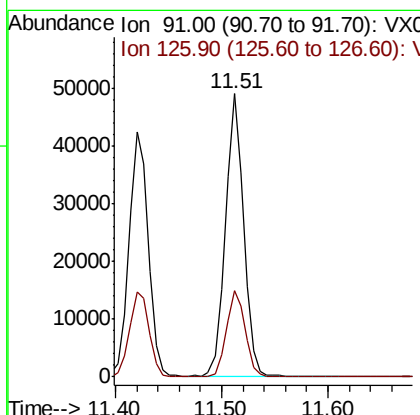
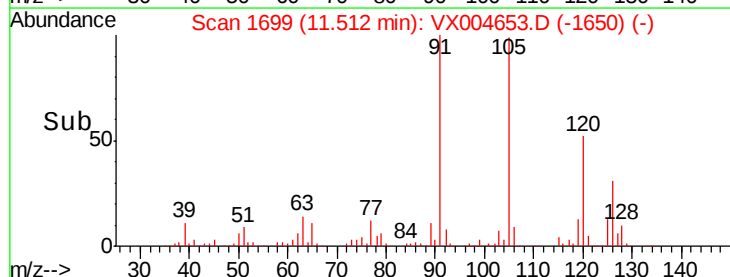
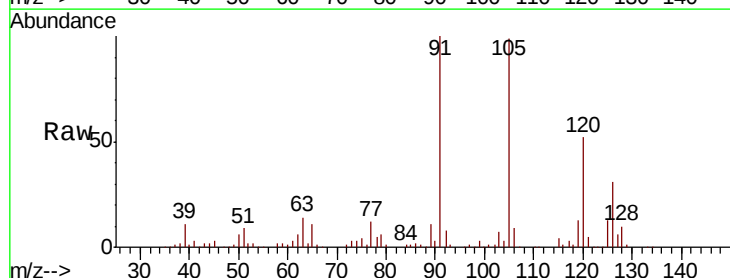
Manual Integrations
APPROVED

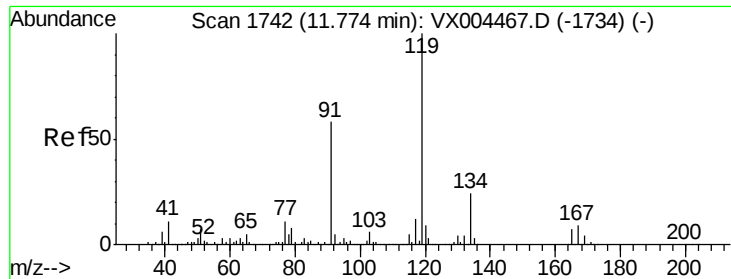
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#82
4-Chlorotoluene
Concen: 21.147 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX004653.D
Acq: 18 Sep 2018 13:09

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.5	46.5





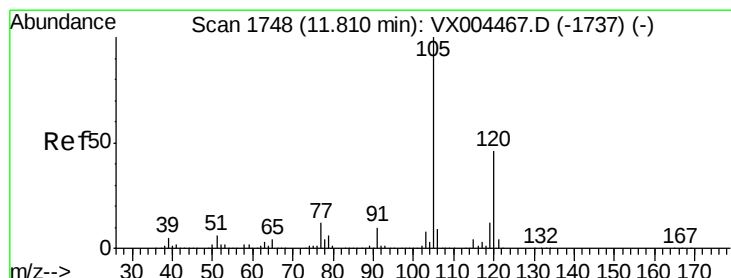
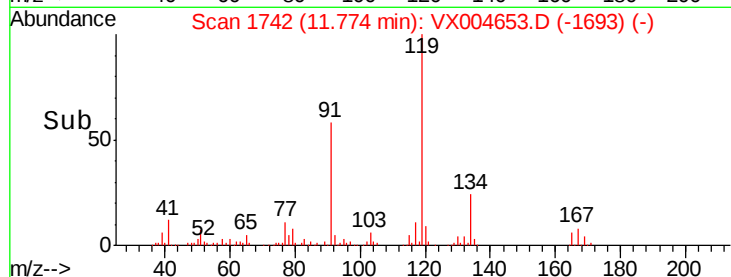
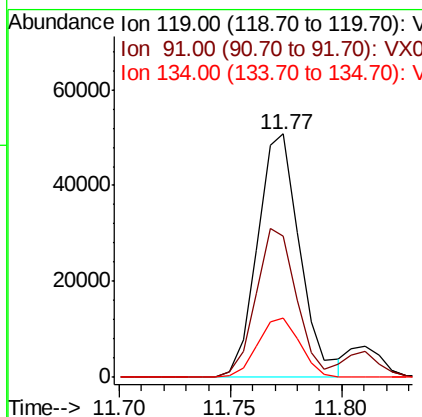
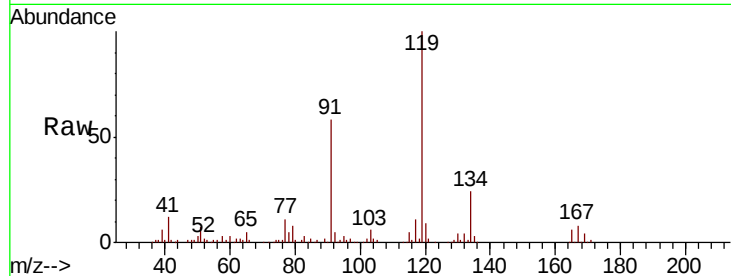
#83
 tert-Butylbenzene
 Concen: 24.466 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX004653.D
 Acq: 18 Sep 2018 13:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	67453		
91	58.5	27.0	81.0	
134	24.4	11.7	35.1	

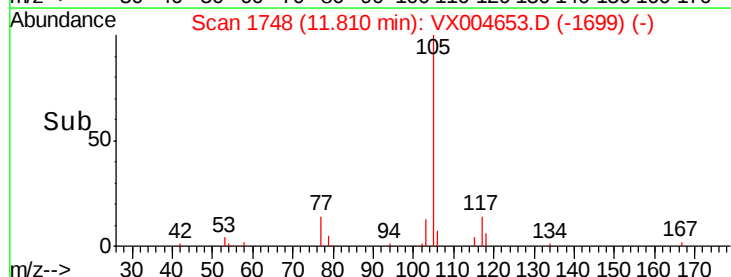
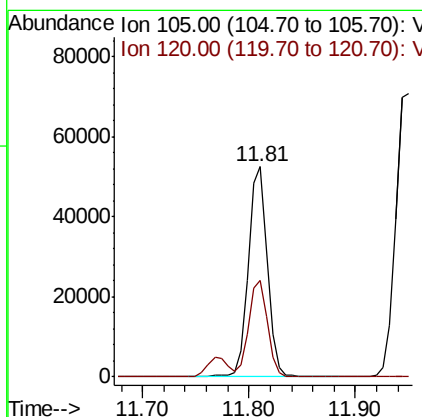
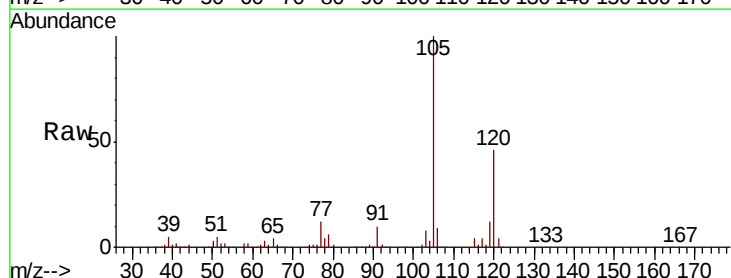
Manual Integrations
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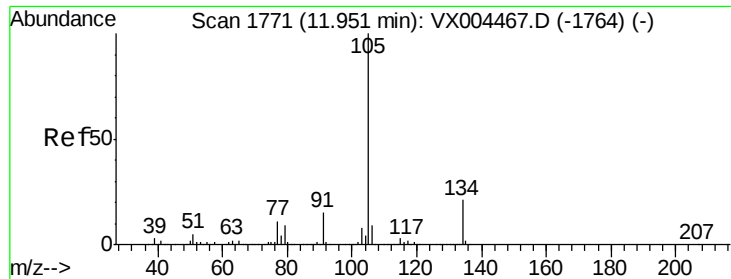
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#84
 1,2,4-Trimethylbenzene
 Concen: 22.259 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX004653.D
 Acq: 18 Sep 2018 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	65812		
120	45.5	23.2	69.6	





#85

sec-Butylbenzene

Concen: 25.723 ug/l

RT: 11.95 min Scan# 1771

Delta R.T. 0.00 min

Lab File: VX004653.D

Acq: 18 Sep 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

Tgt Ion:105 Resp: 90372

Ion Ratio Lower Upper

105 100

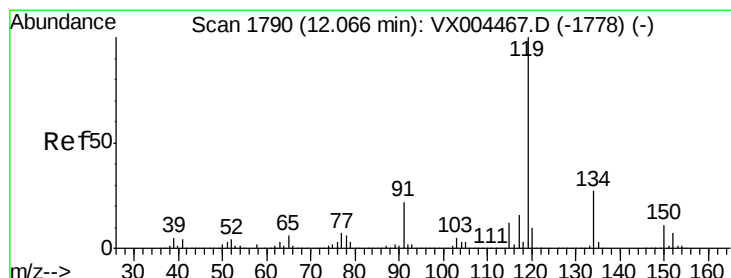
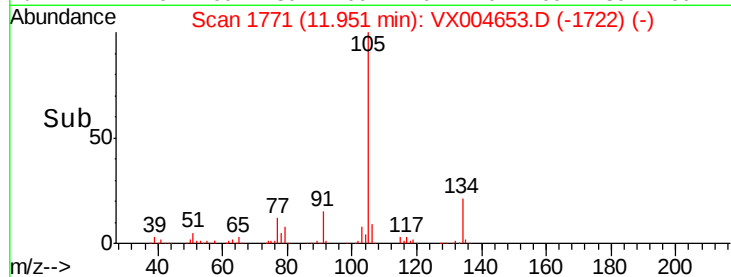
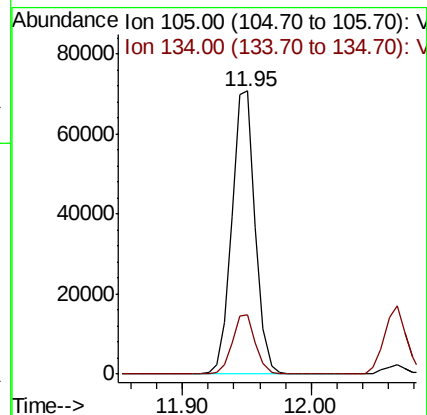
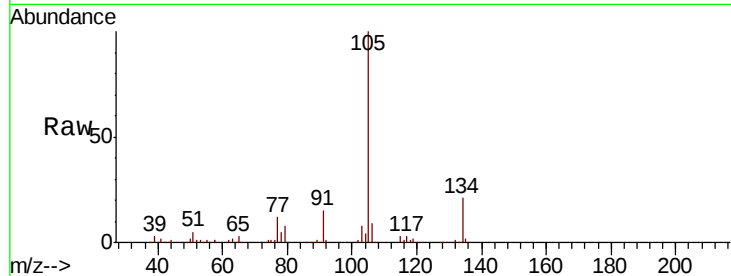
134 20.7 10.5 31.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 24.227 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX004653.D

Acq: 18 Sep 2018 13:09

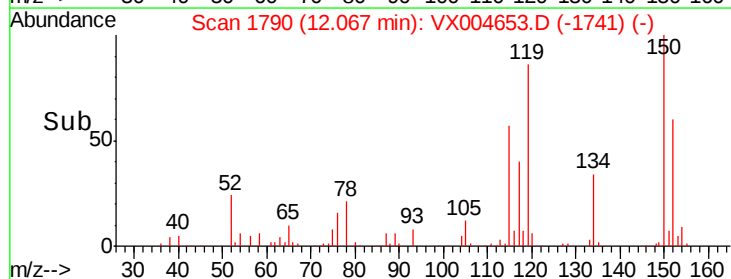
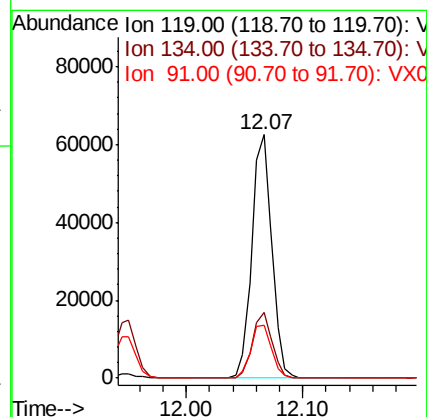
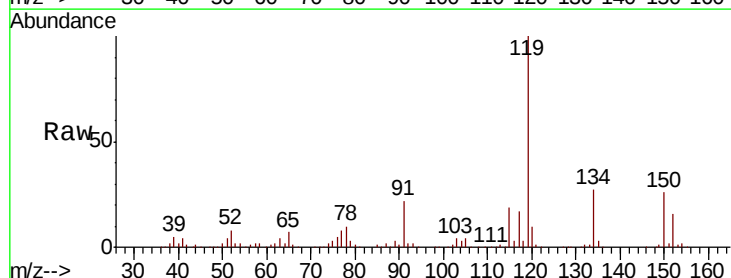
Tgt Ion:119 Resp: 75162

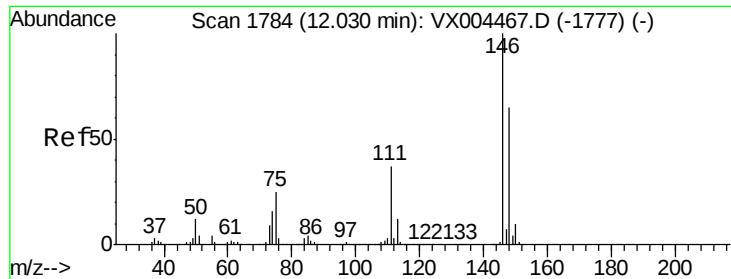
Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

91 23.0 10.9 32.7





#87

1,3-Dichlorobenzene

Concen: 20.448 ug/l

RT: 12.03 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VX004653.D

Acq: 18 Sep 2018 13:09

Instrument :

MSVOA_X

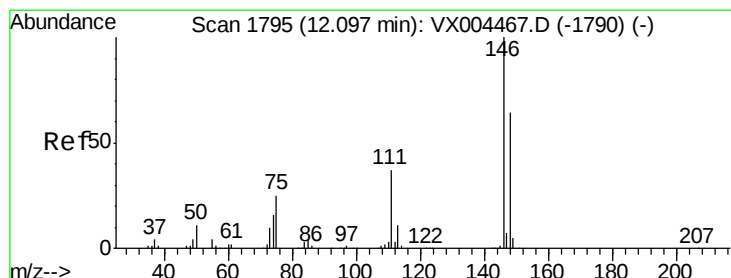
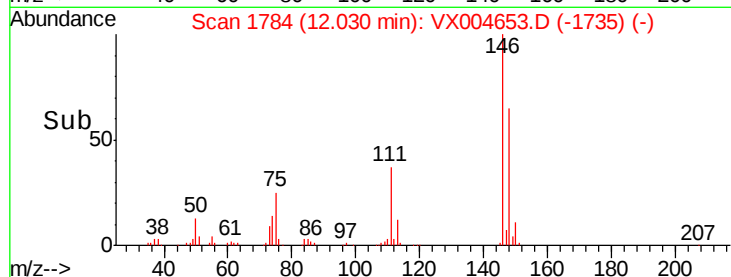
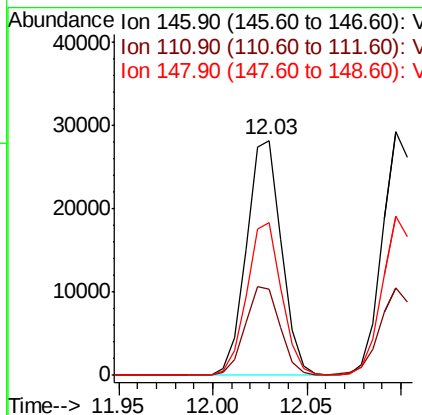
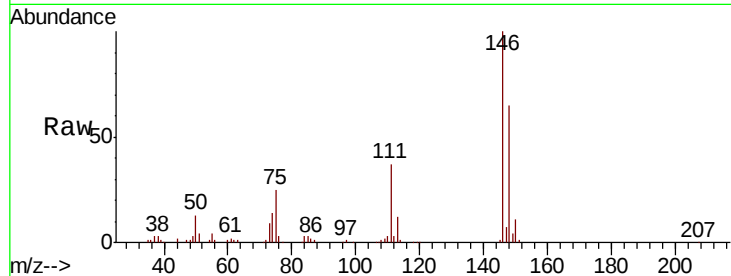
ClientSampleId :

VX0918WBSD01

Tgt Ion:	146	Resp:	36325
Ion Ratio	Lower	Upper	
146	100		
111	37.6	18.7	56.1
148	64.5	32.1	96.5

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#88

1,4-Dichlorobenzene

Concen: 19.775 ug/l

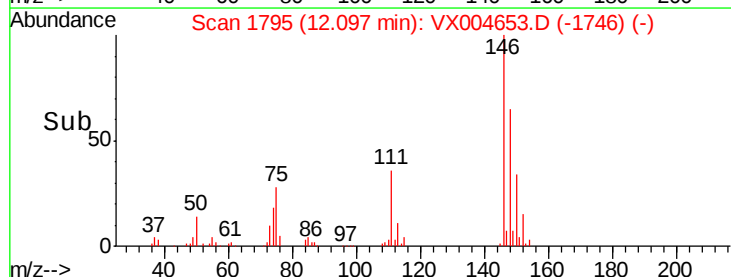
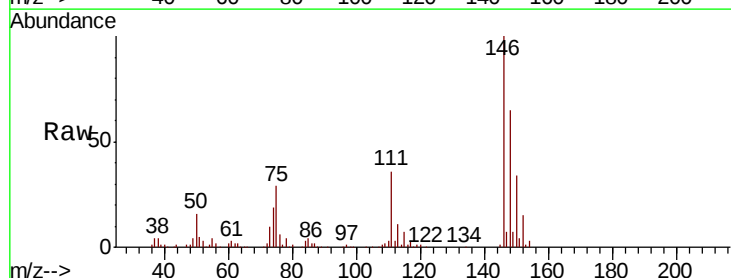
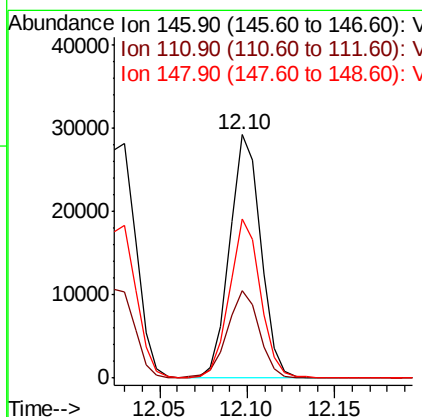
RT: 12.10 min Scan# 1795

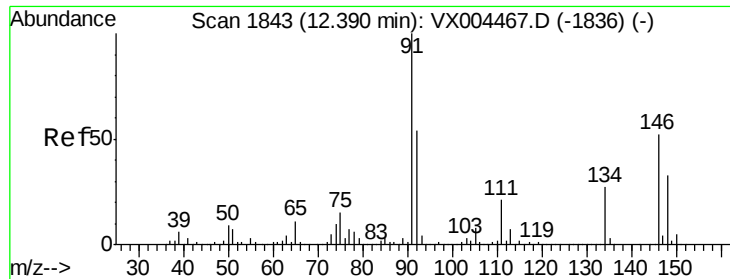
Delta R.T. 0.00 min

Lab File: VX004653.D

Acq: 18 Sep 2018 13:09

Tgt Ion:	146	Resp:	36299
Ion Ratio	Lower	Upper	
146	100		
111	37.1	18.1	54.1
148	64.7	32.0	96.0





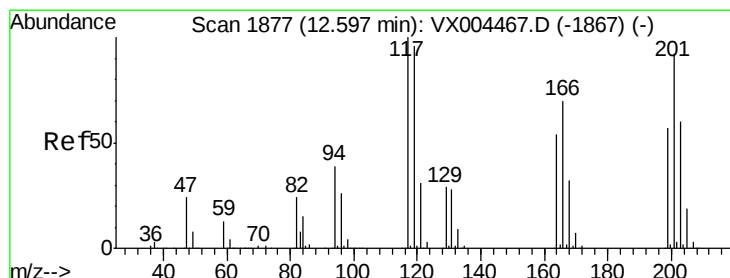
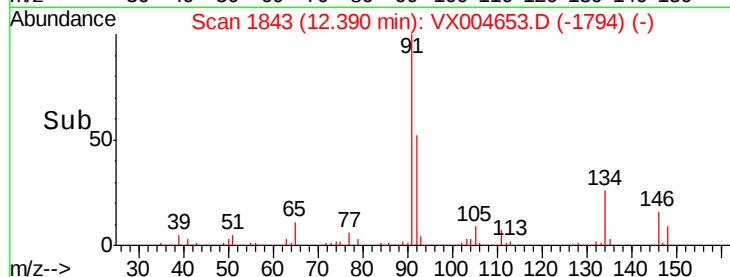
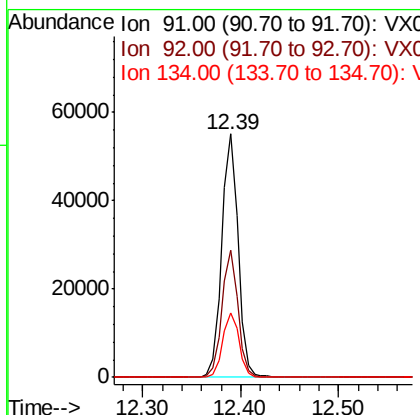
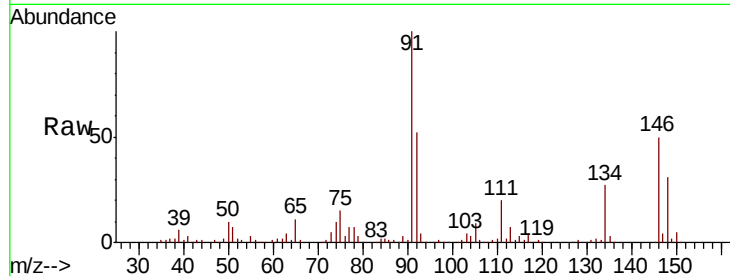
#89
n-Butylbenzene
Concen: 22.573 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX004653.D
Acq: 18 Sep 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

Tgt Ion: 91 Resp: 63817
Ion Ratio Lower Upper
91 100
92 51.2 27.3 81.9
134 26.6 13.6 40.7

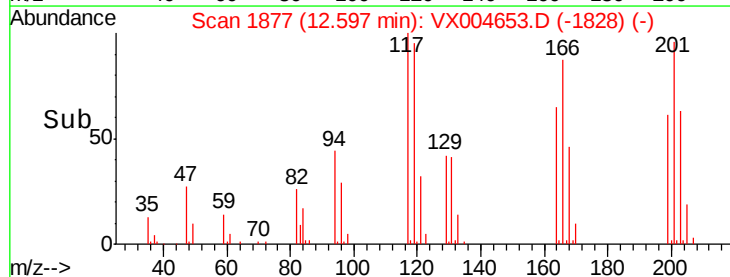
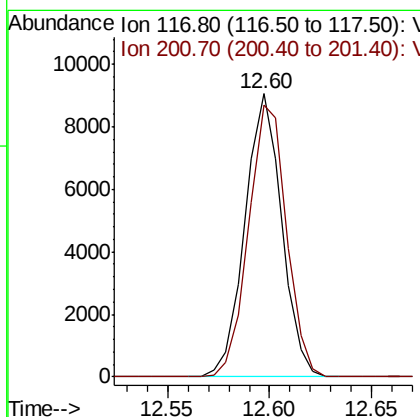
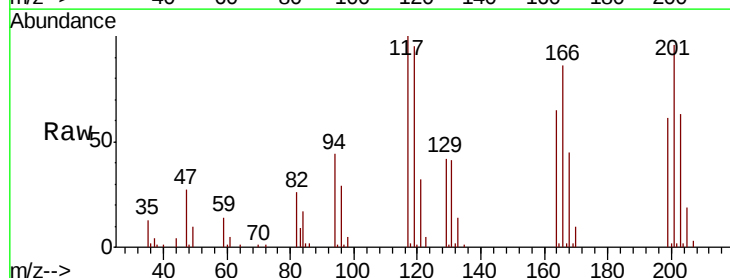
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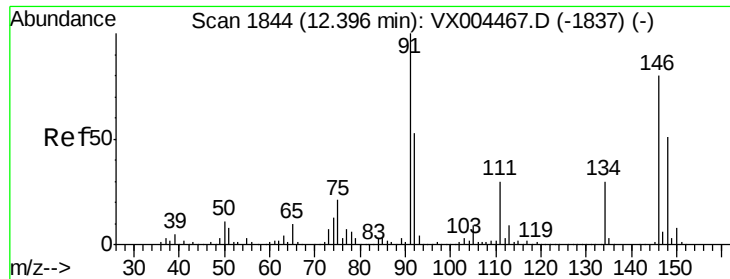
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#90
Hexachloroethane
Concen: 22.790 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX004653.D
Acq: 18 Sep 2018 13:09

Tgt Ion: 117 Resp: 11319
Ion Ratio Lower Upper
117 100
201 99.5 46.9 140.6





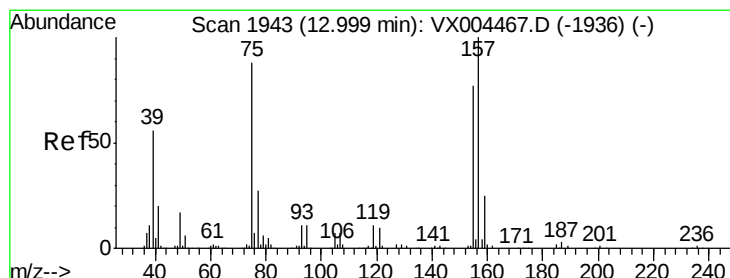
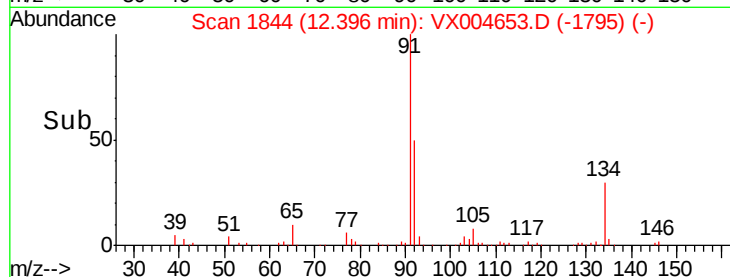
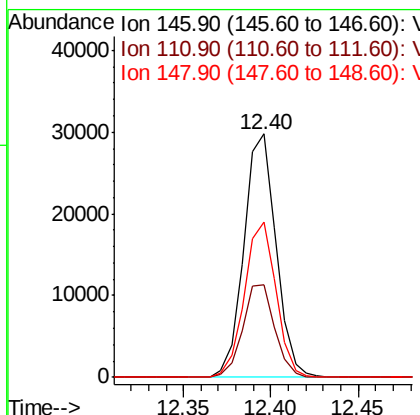
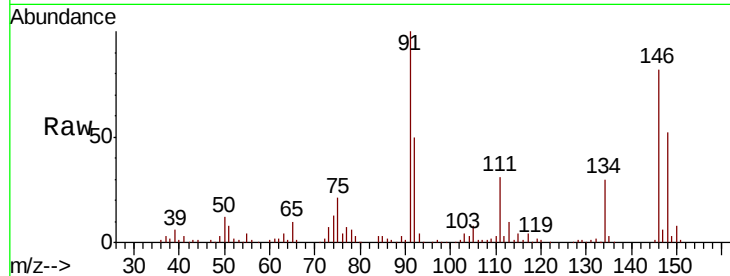
#91
 1,2-Dichlorobenzene
 Concen: 21.041 ug/l
 RT: 12.40 min Scan# 1844
 Delta R.T. 0.00 min
 Lab File: VX004653.D
 Acq: 18 Sep 2018 13:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBSD01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.4	58.1
148	62.7	32.8	98.3

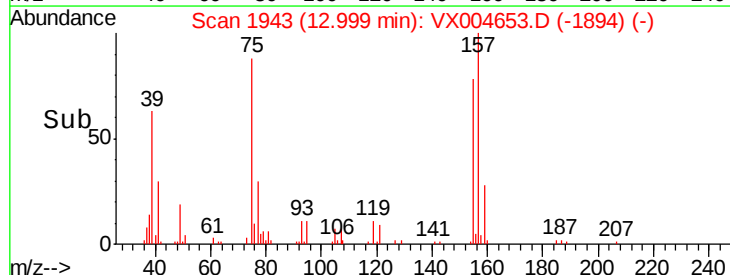
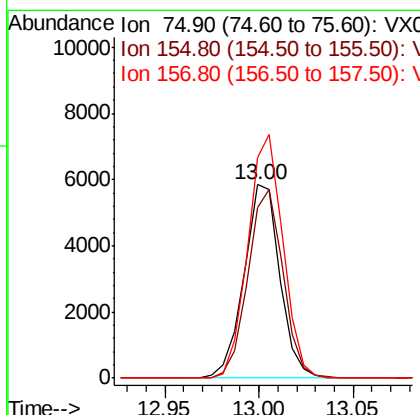
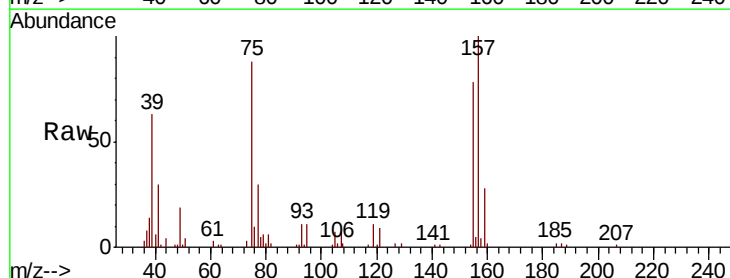
Manual Integrations
 APPROVED

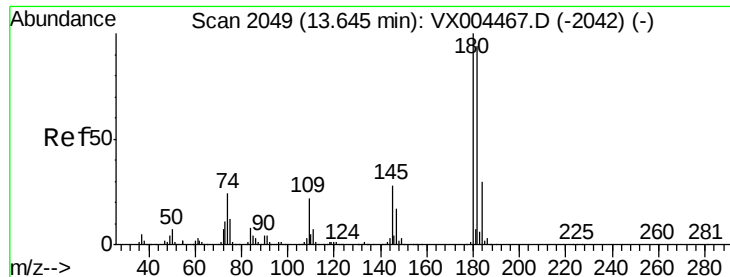
MMDadoda
 9/19/2018 12:51:14 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 32.413 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX004653.D
 Acq: 18 Sep 2018 13:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.7	48.0	144.2
157	122.8	61.4	184.1





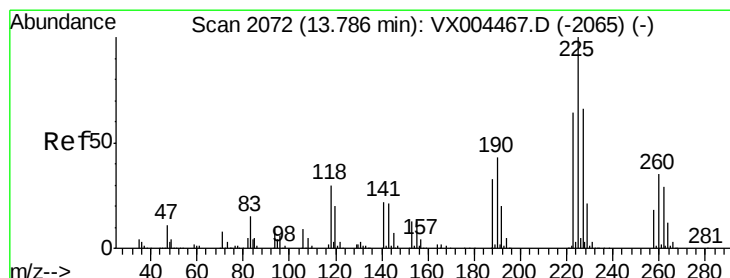
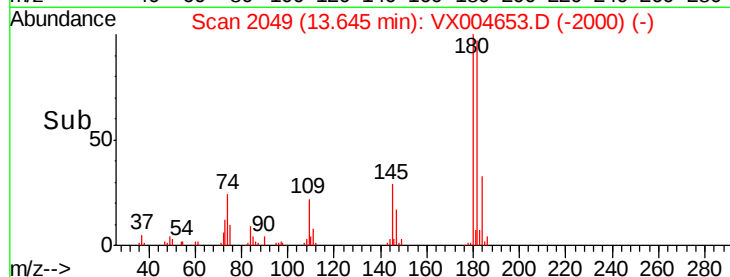
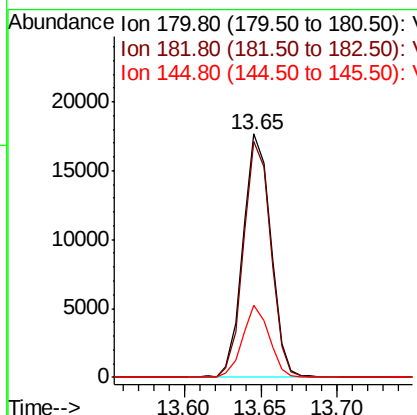
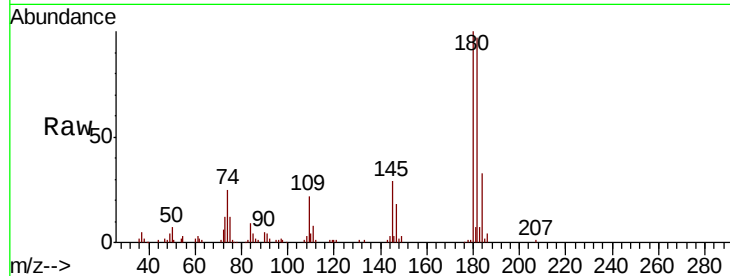
#93
 1,2,4-Trichlorobenzene
 Concen: 17.534 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX004653.D
 Acq: 18 Sep 2018 13:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	22323		
182	94.8	48.4	145.0	
145	28.2	14.3	42.9	

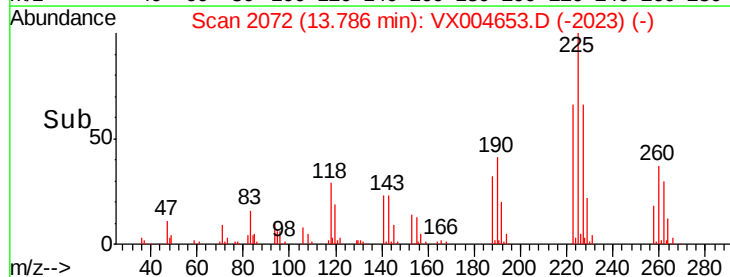
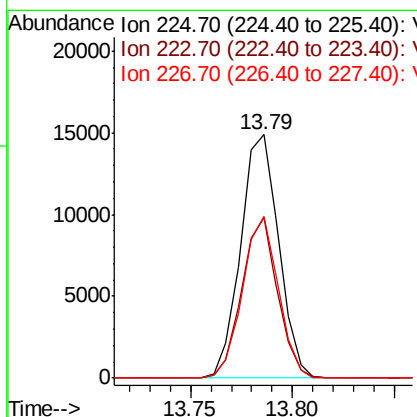
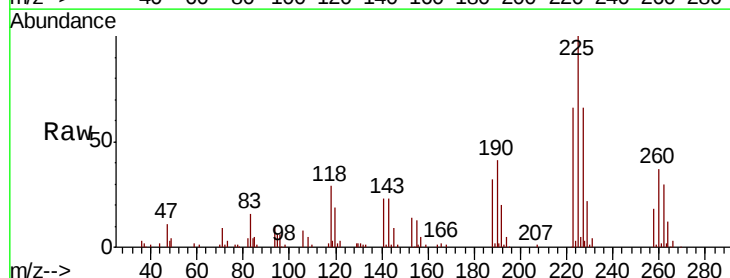
Manual Integrations
 APPROVED

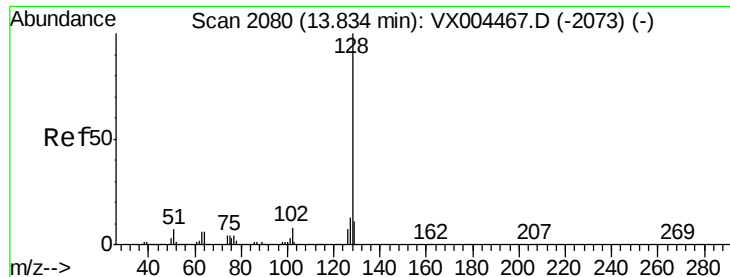
MMDadoda
 9/19/2018 12:51:14 PM



#94
 Hexachlorobutadiene
 Concen: 29.000 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX004653.D
 Acq: 18 Sep 2018 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	19286		
223	61.9	30.1	90.5	
227	62.6	30.8	92.4	





#95

Naphthalene

Concen: 22.700 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004653.D

Acq: 18 Sep 2018 13:09

Instrument :

MSVOA_X

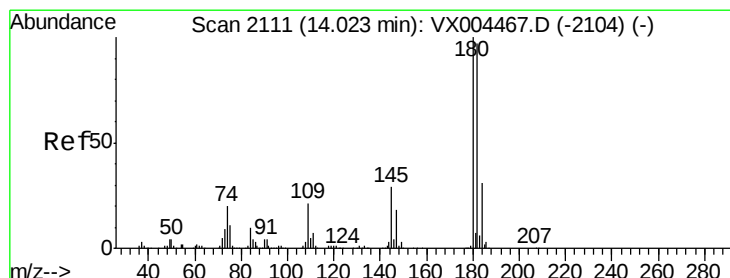
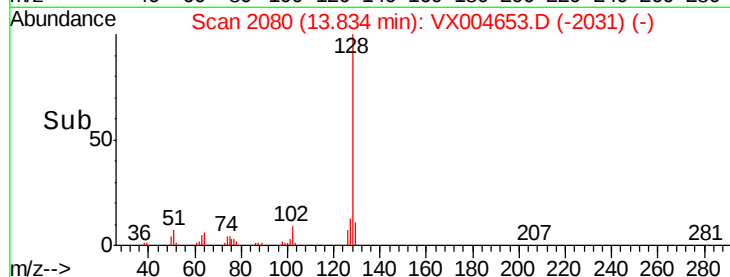
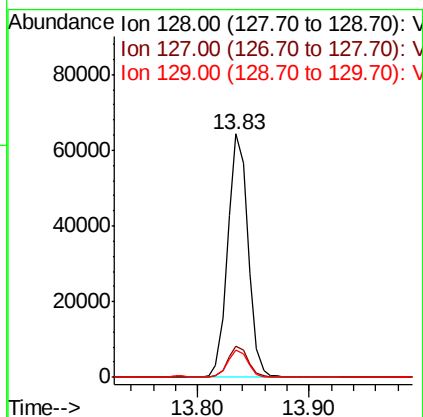
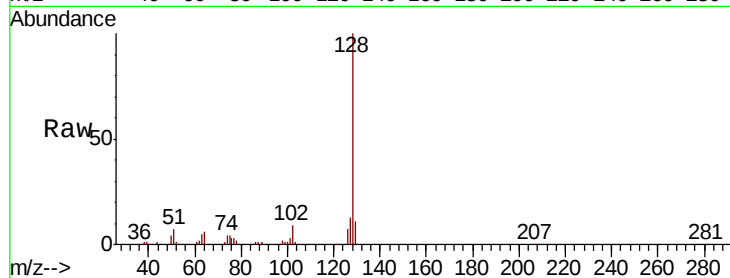
ClientSampleId :

VX0918WBSD01

Tgt Ion:	128	Resp:	81057
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.2	15.2
129	11.1	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/19/2018 12:51:14 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.828 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VX004653.D

Acq: 18 Sep 2018 13:09

Tgt Ion:	180	Resp:	24627
Ion Ratio	Lower	Upper	
180	100		
182	95.2	48.5	145.6
145	28.5	14.9	44.9

