

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX091818\
 Data File : VX004652.D
 Acq On : 18 Sep 2018 12:42
 Operator : JC/MD
 Sample : VX0918MBSD01
 Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918MBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/19/2018 12:51:10 PM

Quant Time: Sep 18 15:47:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	228836	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	349837	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	291351	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	176248	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	133939	45.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.78%	
35) Dibromofluoromethane	5.50	113	119655	37.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	74.76%	
50) Toluene-d8	8.71	98	447249	41.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	83.32%	
62) 4-Bromofluorobenzene	11.14	95	161440	42.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.26%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.19	85	41198	19.210	ug/l	88
3) Chloromethane	1.32	50	53911	18.265	ug/l	99
4) Vinyl Chloride	1.40	62	56801	18.750	ug/l	98
5) Bromomethane	1.64	94	28542	21.836	ug/l	99
6) Chloroethane	1.72	64	35654	18.200	ug/l	96
7) Trichlorofluoromethane	1.93	101	73692	18.350	ug/l	95
8) Diethyl Ether	2.19	74	34670	19.257	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	47785	18.757	ug/l	98
10) Methyl Iodide	2.51	142	44001	17.475	ug/l	97
11) Tert butyl alcohol	3.07	59	70461	100.078	ug/l	99
12) 1,1-Dichloroethene	2.37	96	45311	18.950	ug/l	98
13) Acrolein	2.29	56	15371	55.306	ug/l	92
14) Allyl chloride	2.73	41	94975	19.321	ug/l	95
15) Acrylonitrile	3.15	53	160836	94.862	ug/l	97
16) Acetone	2.45	43	130414	90.557	ug/l	99
17) Carbon Disulfide	2.57	76	126226	18.264	ug/l	98
18) Methyl Acetate	2.78	43	80648	19.960	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	165187	19.689	ug/l	92
20) Methylene Chloride	2.85	84	54772	18.540	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	50541	19.129	ug/l	93
22) Diisopropyl ether	3.87	45	180354	20.371	ug/l	96
23) Vinyl Acetate	3.82	43	690483	96.373	ug/l	95
24) 1,1-Dichloroethane	3.69	63	94491	18.904	ug/l	98
25) 2-Butanone	4.70	43	202242	88.239	ug/l	98
26) 2,2-Dichloropropane	4.57	77	70495	20.533	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	56903	19.293	ug/l	98
28) Bromochloromethane	5.02	49	43075	18.840	ug/l	98
29) Tetrahydrofuran	5.15	42	136751	98.937	ug/l	96
30) Chloroform	5.21	83	93026	19.062	ug/l	93
31) Cyclohexane	5.57	56	79118	18.537	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	75655	19.249	ug/l	98
36) 1,1-Dichloropropene	5.79	75	66377	15.628	ug/l	98
37) Ethyl Acetate	4.85	43	77346	16.012	ug/l	100
38) Carbon Tetrachloride	5.78	117	67395	16.246	ug/l #	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	76891	17.349	ug/l #	87
40) Benzene	6.14	78	206506	16.387	ug/l	92
41) Methacrylonitrile	5.06	41	43736	16.433	ug/l	99
42) 1,2-Dichloroethane	6.20	62	68398	16.365	ug/l	100
43) Isopropyl Acetate	6.46	43	114785	17.891	ug/l	100
44) Trichloroethene	7.21	130	59943	18.309	ug/l	100
45) 1,2-Dichloropropane	7.52	63	52134	17.193	ug/l	95
46) Dibromomethane	7.66	93	33217	17.340	ug/l	98
47) Bromodichloromethane	7.90	83	61742	17.043	ug/l	95
48) Methyl methacrylate	7.77	41	54663	17.216	ug/l	98
49) 1,4-Dioxane	7.76	88	26878	357.653	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	360473	79.615	ug/l	99
52) Toluene	8.79	92	125052	16.843	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	68420	16.168	ug/l	97
54) cis-1,3-Dichloropropene	8.44	75	76733	17.788	ug/l	95
55) 1,1,2-Trichloroethane	9.22	97	51359	16.066	ug/l	99
56) Ethyl methacrylate	9.18	69	72860	16.110	ug/l	98
57) 1,3-Dichloropropane	9.37	76	84896	16.344	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	186768	85.970	ug/l	97
59) 2-Hexanone	9.50	43	278999	80.336	ug/l	97
60) Dibromochloromethane	9.59	129	50431	16.756	ug/l	100
61) 1,2-Dibromoethane	9.68	107	52311	17.129	ug/l	99
64) Tetrachloroethene	9.34	164	69565	19.124	ug/l	99
65) Chlorobenzene	10.14	112	142756	19.726	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.23	131	49585	19.869	ug/l	99
67) Ethyl Benzene	10.26	91	234905	19.962	ug/l	99
68) m/p-Xylenes	10.36	106	183922	40.575	ug/l	97
69) o-Xylene	10.70	106	88632	20.339	ug/l	100
70) Styrene	10.71	104	147808	20.473	ug/l	98
71) Bromoform	10.86	173	39306	19.182	ug/l	100
73) Isopropylbenzene	11.02	105	240083	20.683	ug/l	100
74) N-amyl acetate	10.90	43	93991	19.238	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	69706	18.618	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	69649m	19.642	ug/l	
77) Bromobenzene	11.26	156	65253	20.339	ug/l	100
78) n-propylbenzene	11.36	91	275119	20.614	ug/l	100
79) 2-Chlorotoluene	11.42	91	163122	20.152	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	203100	20.814	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	21545	19.367	ug/l	99
82) 4-Chlorotoluene	11.51	91	189244	20.032	ug/l	99
83) tert-Butylbenzene	11.77	119	190059	20.459	ug/l	95
84) 1,2,4-Trimethylbenzene	11.81	105	208846	20.963	ug/l	99
85) sec-Butylbenzene	11.95	105	244908	20.688	ug/l	100
86) p-Isopropyltoluene	12.07	119	220074	21.052	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	119330	19.935	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	121887	19.706	ug/l	99
89) n-Butylbenzene	12.39	91	187716	19.705	ug/l	98
90) Hexachloroethane	12.60	117	32283	19.290	ug/l	96
91) 1,2-Dichlorobenzene	12.40	146	121994	20.135	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	16065	20.095	ug/l	98

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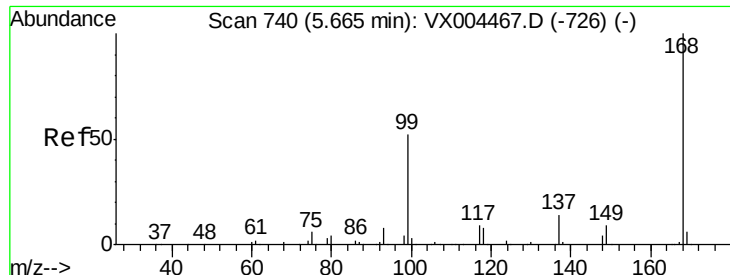
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	88482	20.625	ug/l	99
94) Hexachlorobutadiene	13.79	225	46832	20.899	ug/l	97
95) Naphthalene	13.83	128	262520	21.818	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	91391	20.736	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.01 min

Lab File: VX004652.D

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Instrument :

MSVOA_X

ClientSampleId :

VX0918MBSD01

Tgt Ion:168 Resp: 228836

Ion Ratio Lower Upper

168 100

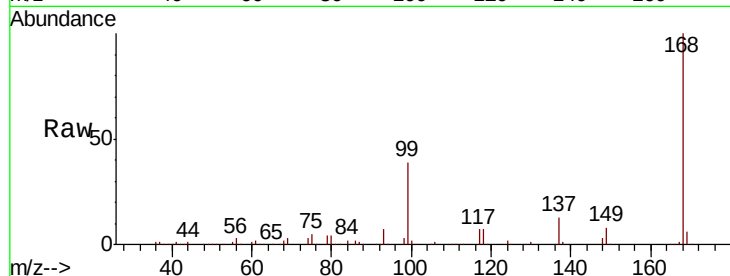
99 39.3 39.9 59.9#

Manual Integrations

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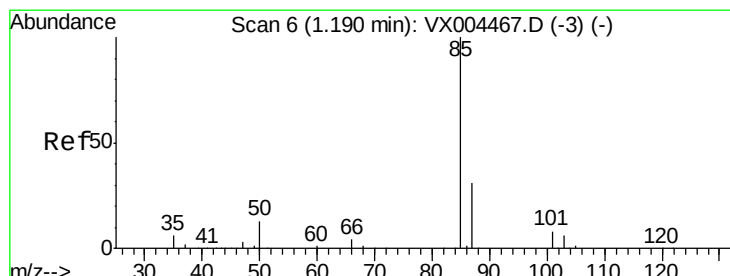
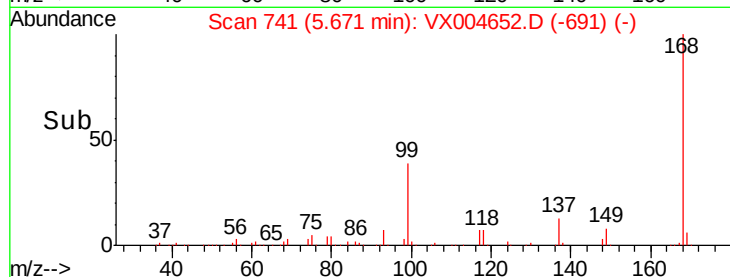
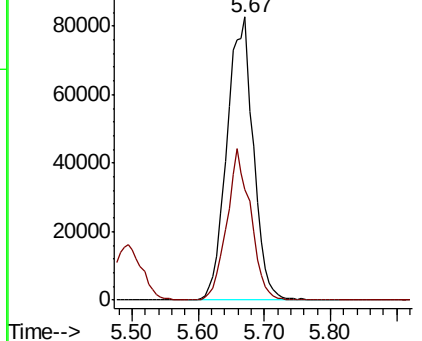
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 19.210 ug/l

RT: 1.19 min Scan# 6

Delta R.T. -0.00 min

Lab File: VX004652.D

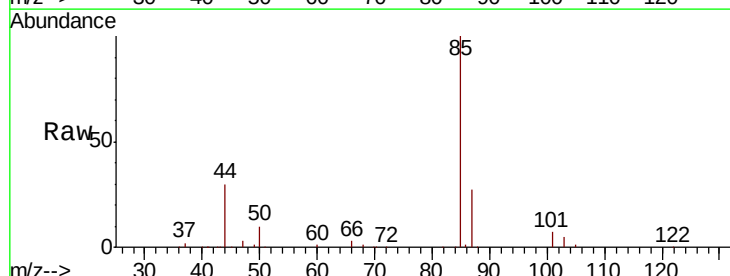
Acq: 18 Sep 2018 12:42

Tgt Ion: 85 Resp: 41198

Ion Ratio Lower Upper

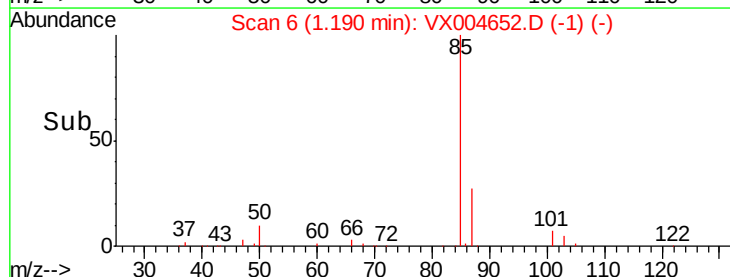
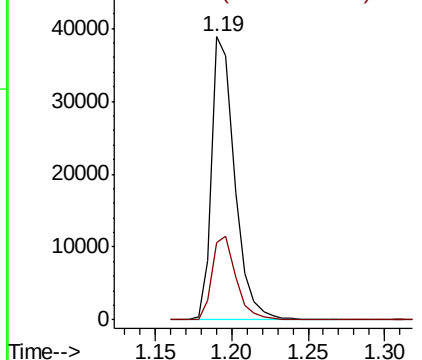
85 100

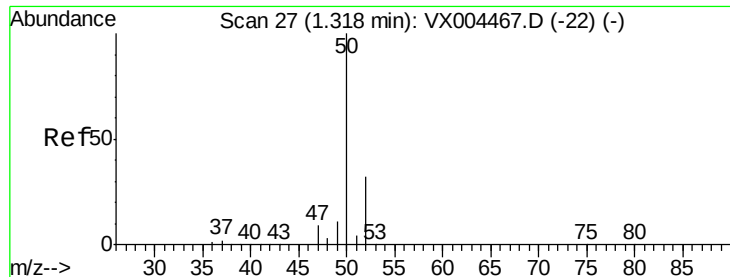
87 27.2 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 18.265 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004652.D

Acq: 18 Sep 2018 12:42

Instrument :

MSVOA_X

ClientSampled :

VX0918MBSD01

Tgt Ion: 50 Resp: 53911

Ion Ratio Lower Upper

50 100

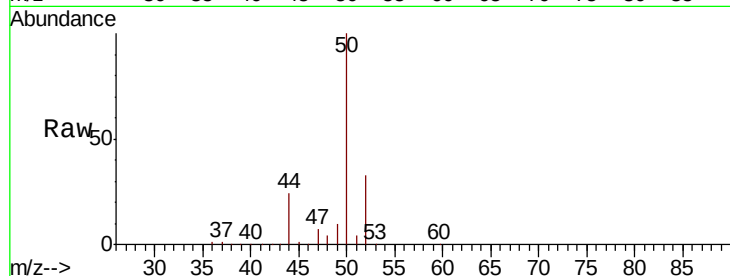
52 33.2 26.2 39.2

Manual Integrations

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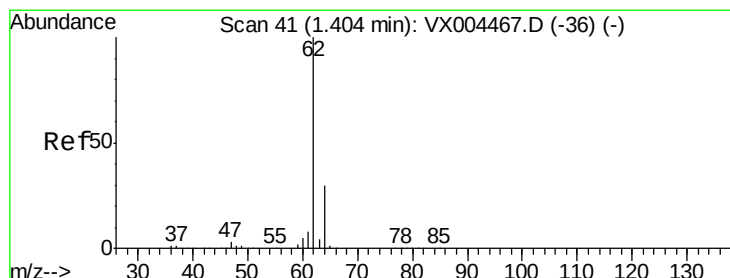
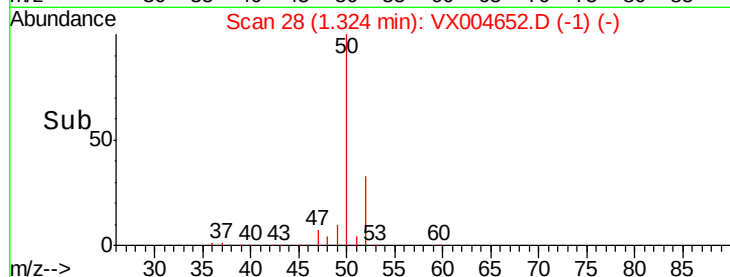
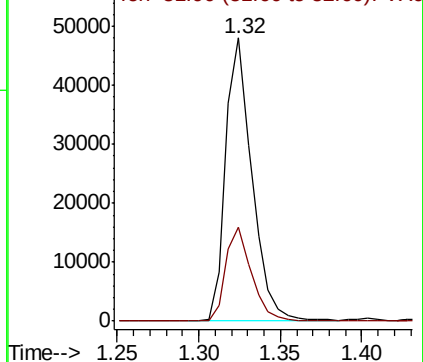
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 18.750 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004652.D

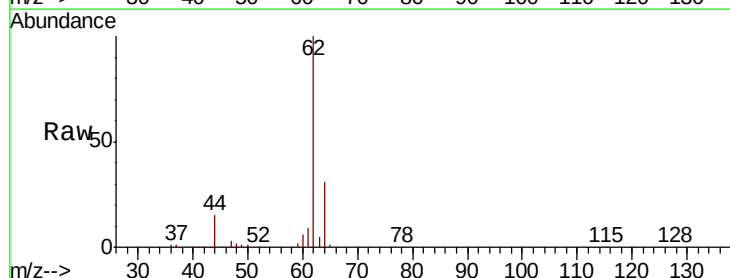
Acq: 18 Sep 2018 12:42

Tgt Ion: 62 Resp: 56801

Ion Ratio Lower Upper

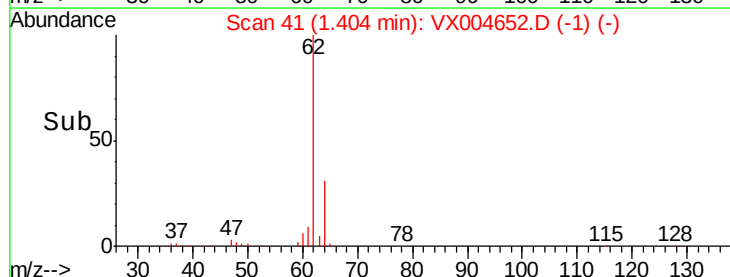
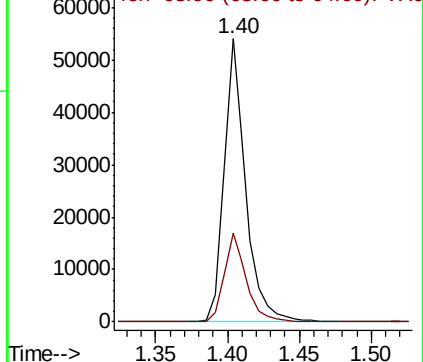
62 100

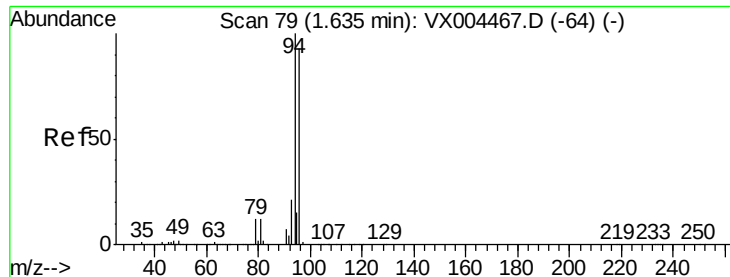
64 31.3 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 21.836 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004652.D

Acq: 18 Sep 2018 12:42

Instrument :

MSVOA_X

ClientSampleId :

VX0918MBSD01

Tgt Ion: 94 Resp: 28542

Ion Ratio Lower Upper

94 100

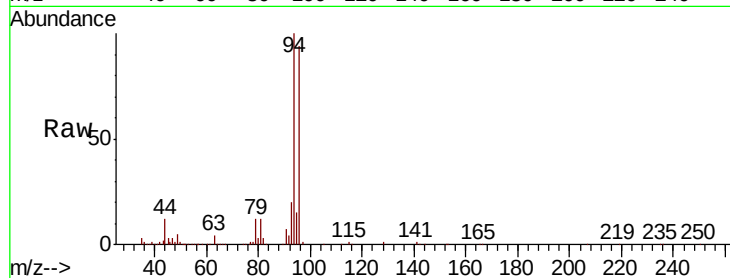
96 94.0 74.5 111.7

Manual Integrations

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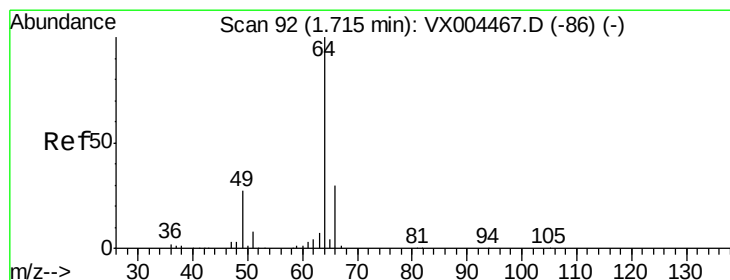
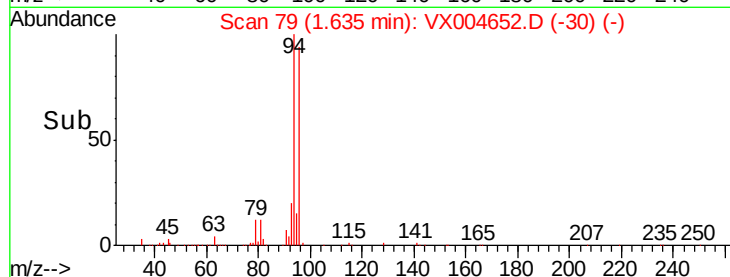
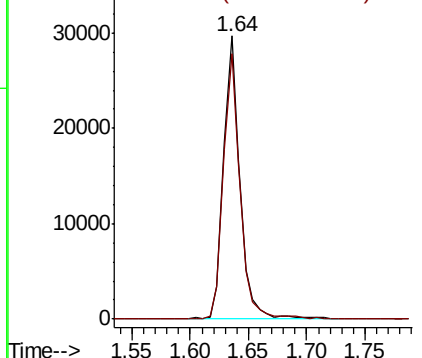
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 18.200 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX004652.D

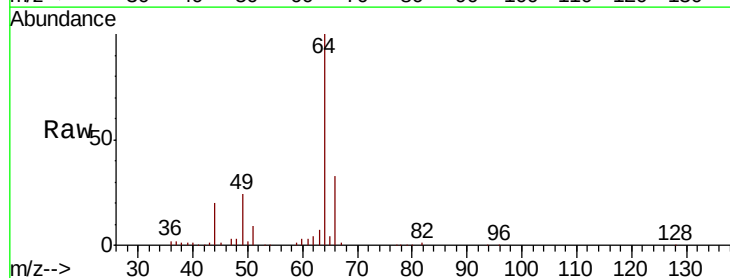
Acq: 18 Sep 2018 12:42

Tgt Ion: 64 Resp: 35654

Ion Ratio Lower Upper

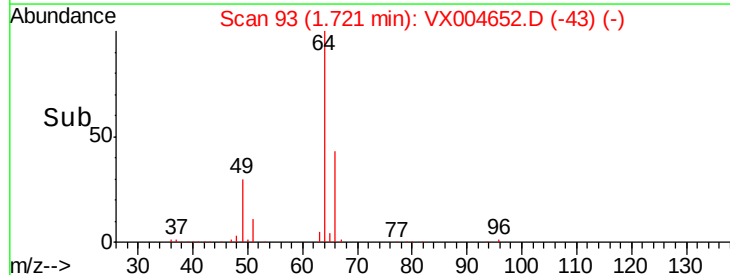
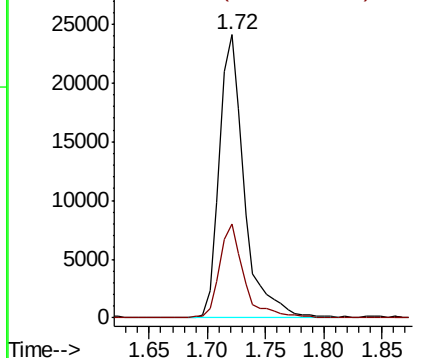
64 100

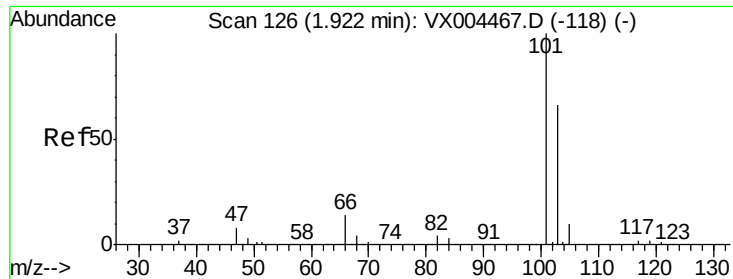
66 33.0 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

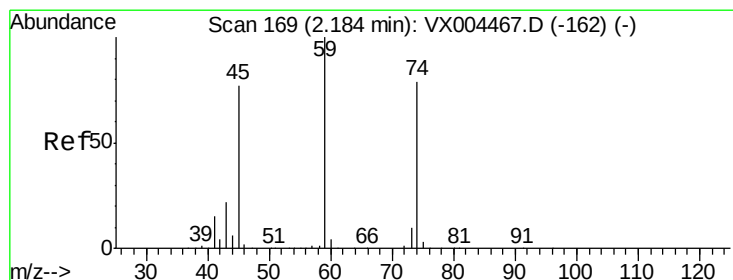
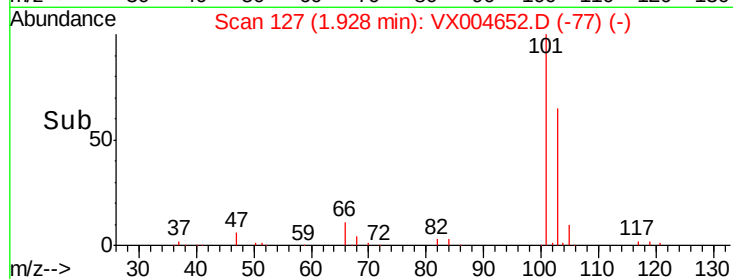
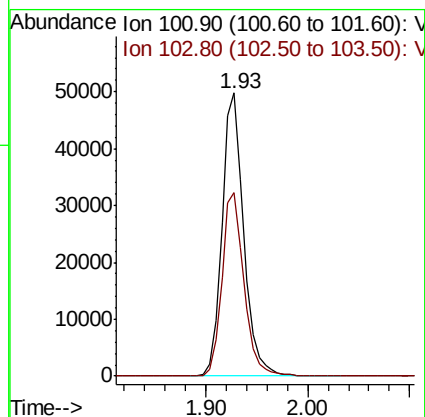
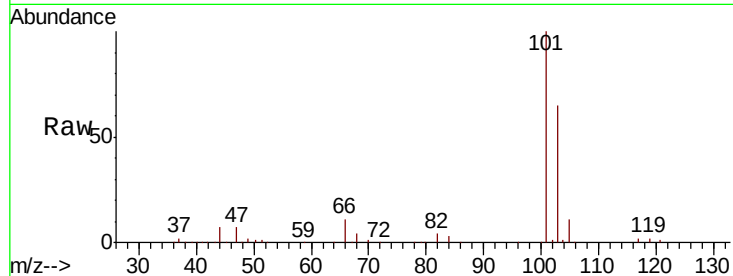
Trichlorofluoromethane
Concen: 18.350 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX004652.D
Acq: 18 Sep 2018 12:42

Instrument :
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ClientSampleId :
VX0918MBSD01

Tgt Ion:101 Resp: 73692
Ion Ratio Lower Upper
101 100
103 64.8 48.9 73.3

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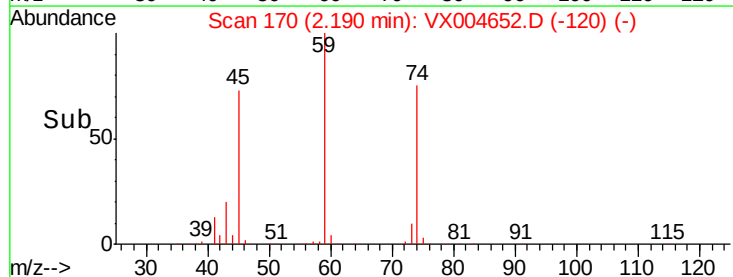
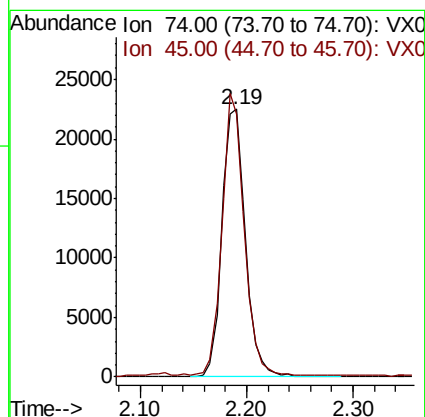
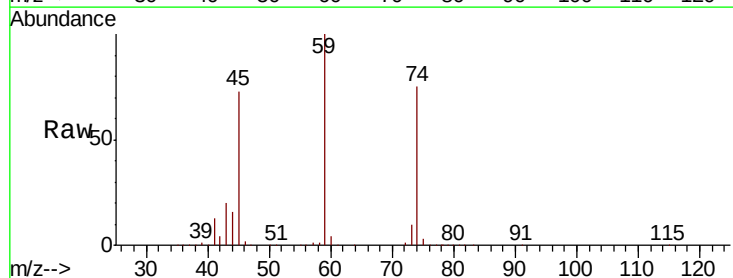
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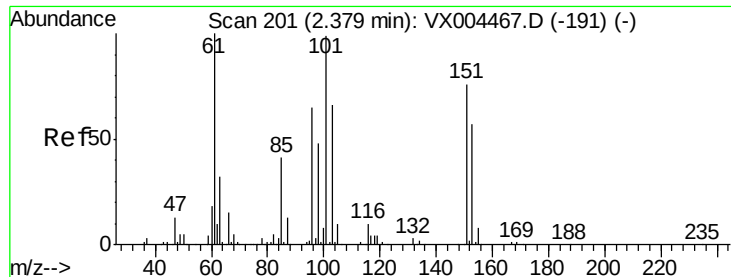


#8

Diethyl Ether
Concen: 19.257 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX004652.D
Acq: 18 Sep 2018 12:42

Tgt Ion: 74 Resp: 34670
Ion Ratio Lower Upper
74 100
45 98.6 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.757 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX004652.D

Acq: 18 Sep 2018 12:42

Instrument :

MSVOA_X

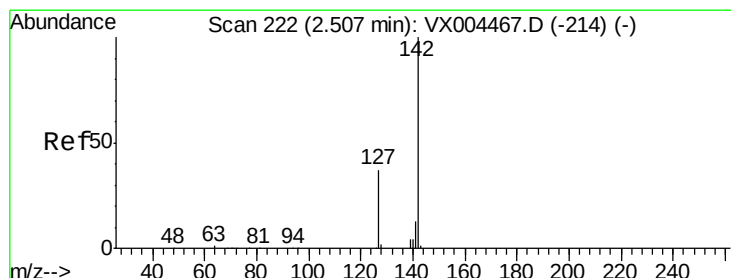
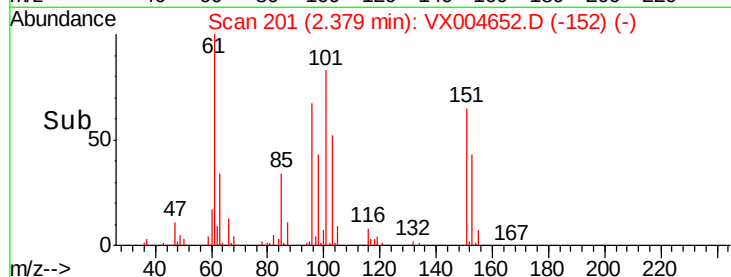
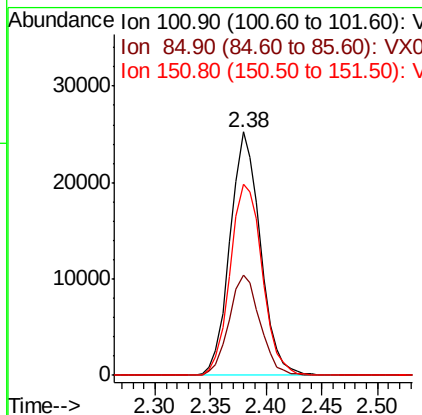
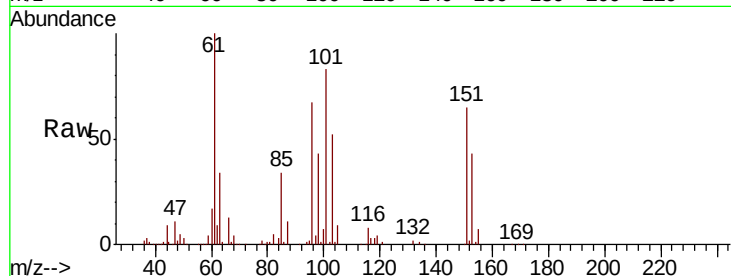
ClientSampleId :

VX0918MBSD01

Tgt Ion:	101	Resp:	47785
Ion Ratio	Lower	Upper	
101	100		
85	42.1	34.2	51.4
151	83.0	65.0	97.6

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#10

Methyl Iodide

Concen: 17.475 ug/l

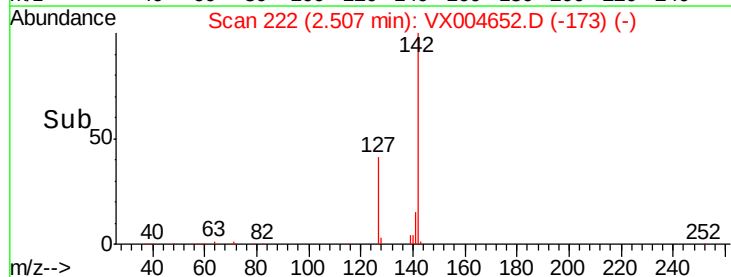
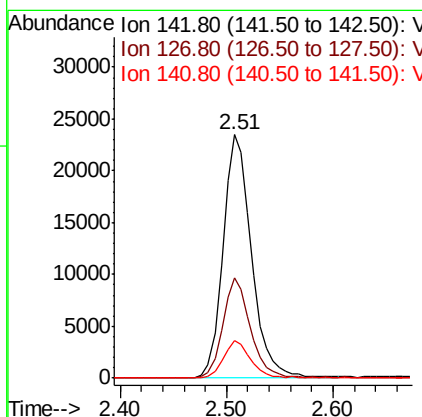
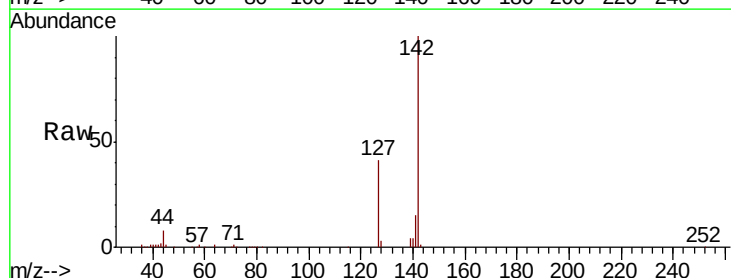
RT: 2.51 min Scan# 222

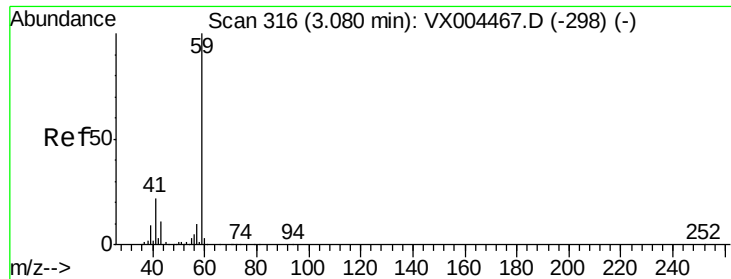
Delta R.T. 0.00 min

Lab File: VX004652.D

Acq: 18 Sep 2018 12:42

Tgt Ion:	142	Resp:	44001
Ion Ratio	Lower	Upper	
142	100		
127	40.0	33.8	50.6
141	14.8	11.4	17.0





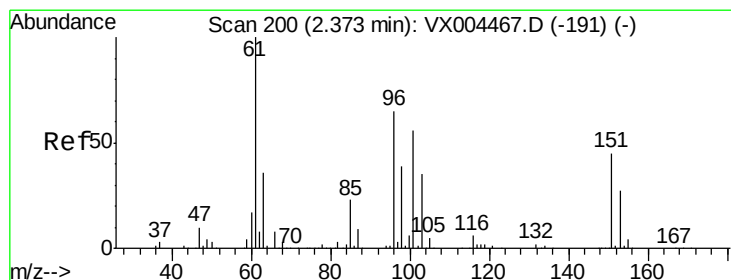
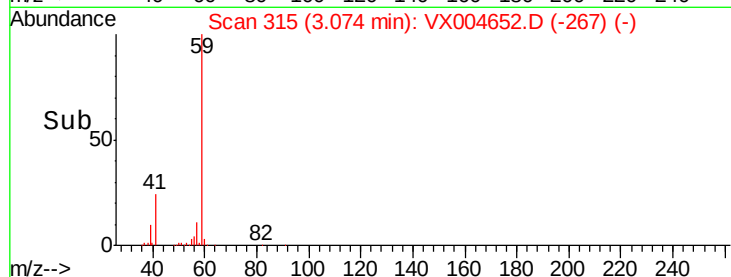
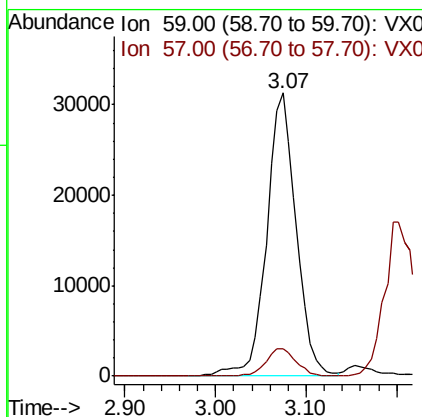
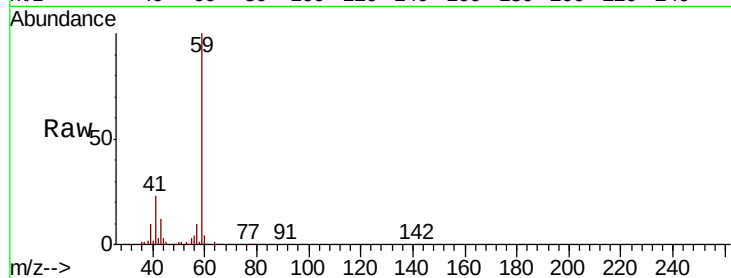
#11
Tert butyl alcohol
Concen: 100.078 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX004652.D
Acq: 18 Sep 2018 12:42

Instrument :
MSVOA_X
ClientSampled :
VX0918MBSD01

Tgt Ion: 59 Resp: 70461
Ion Ratio Lower Upper
59 100
57 10.0 8.2 12.4

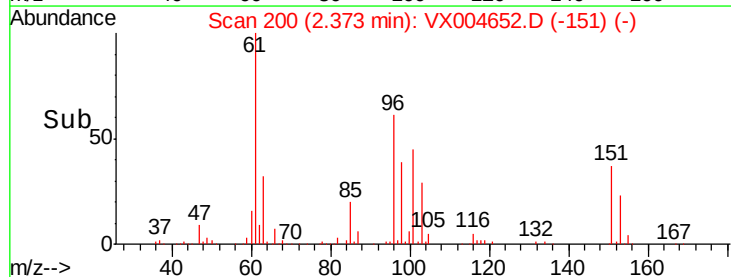
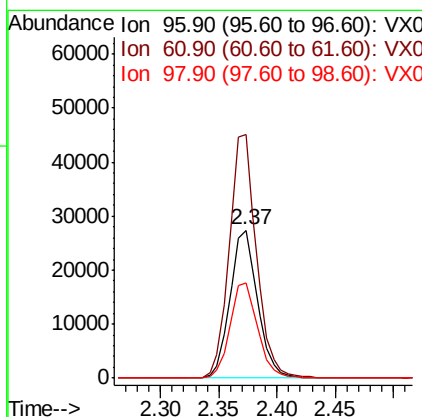
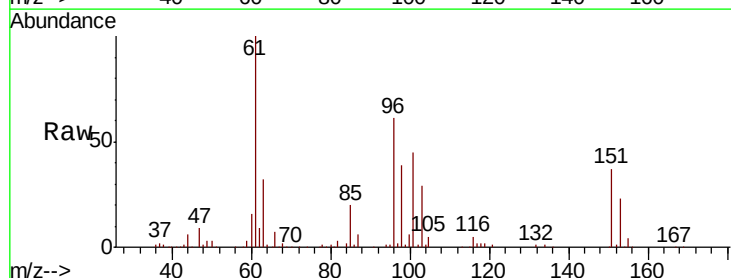
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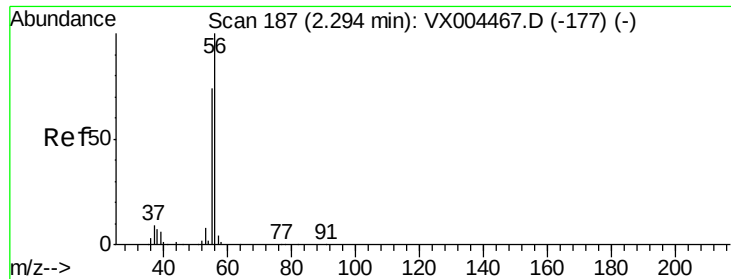
MMDadoda
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#12
1,1-Dichloroethene
Concen: 18.950 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX004652.D
Acq: 18 Sep 2018 12:42

Tgt Ion: 96 Resp: 45311
Ion Ratio Lower Upper
96 100
61 164.9 128.8 193.2
98 64.7 52.2 78.2





#13

Acrolein

Concen: 55.306 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX004652.D

Acq: 18 Sep 2018 12:42

Instrument :

MSVOA_X

ClientSampleId :

VX0918MBSD01

Tgt Ion: 56 Resp: 15371

Ion Ratio Lower Upper

56 100

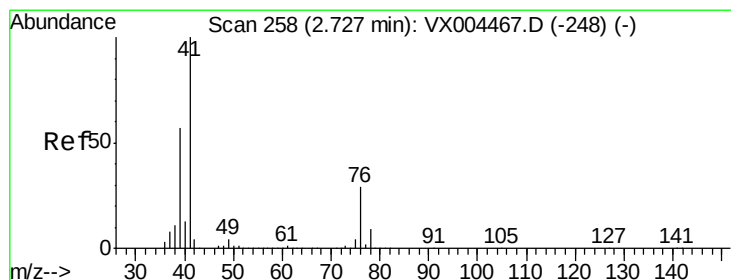
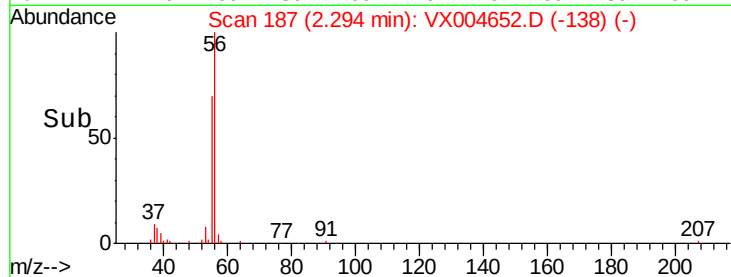
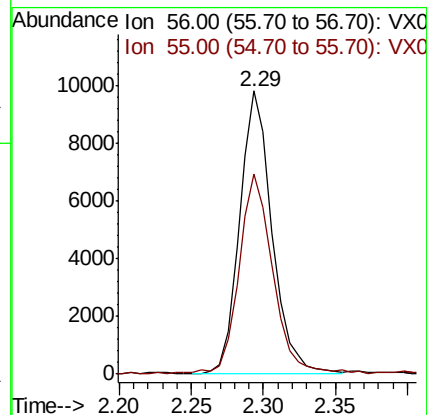
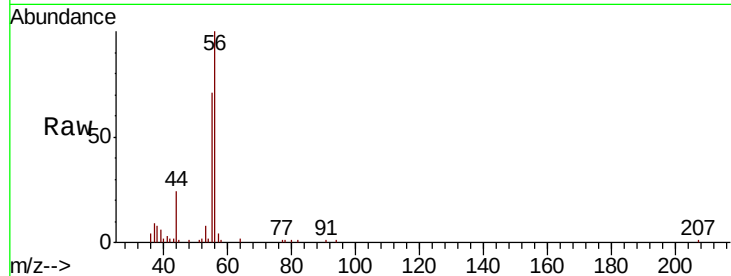
55 74.5 54.7 82.1

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#14

Allyl chloride

Concen: 19.321 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX004652.D

Acq: 18 Sep 2018 12:42

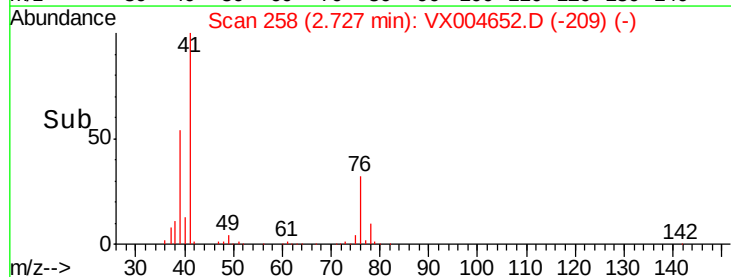
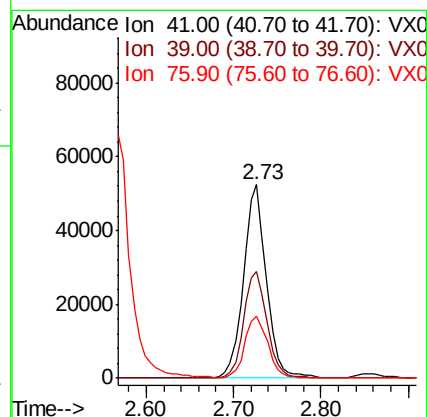
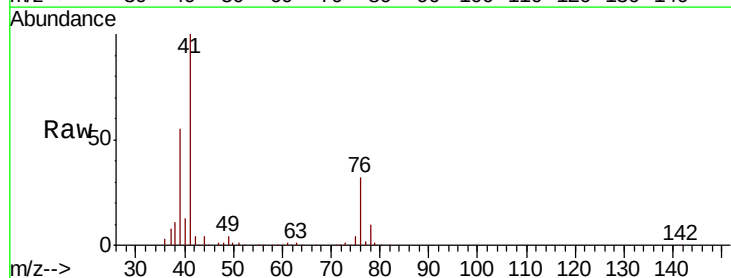
Tgt Ion: 41 Resp: 94975

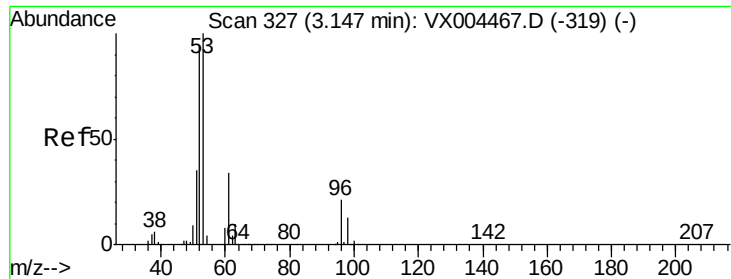
Ion Ratio Lower Upper

41 100

39 55.8 48.9 73.3

76 32.6 26.7 40.1





#15

Acrylonitrile

Concen: 94.862 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX004652.D

Acq: 18 Sep 2018 12:42

Instrument :

MSVOA_X

ClientSampleId :

VX0918MBSD01

Tgt Ion: 53 Resp: 160836
Ion Ratio Lower Upper

53 100

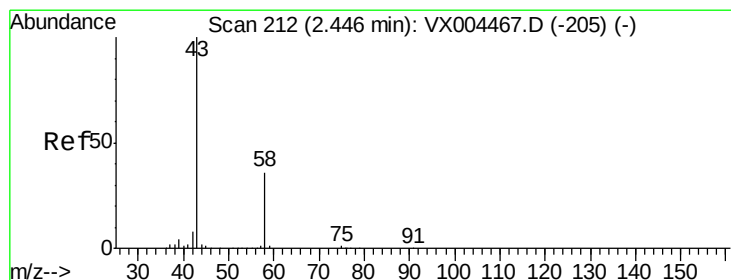
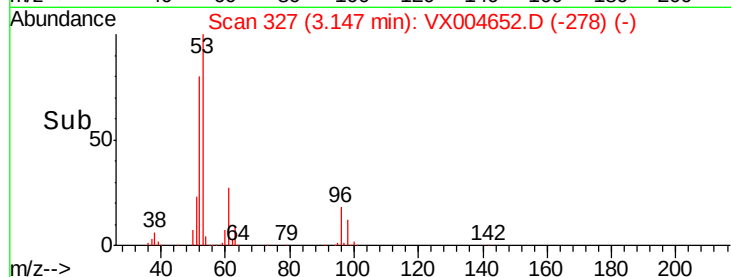
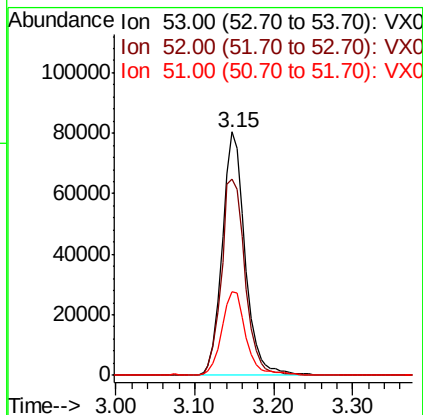
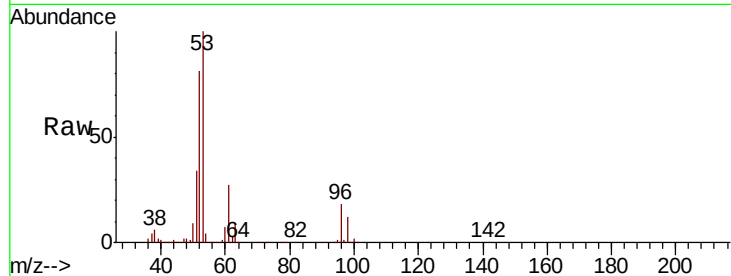
52 84.4 65.2 97.8

51 36.0 28.2 42.2

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#16

Acetone

Concen: 90.557 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

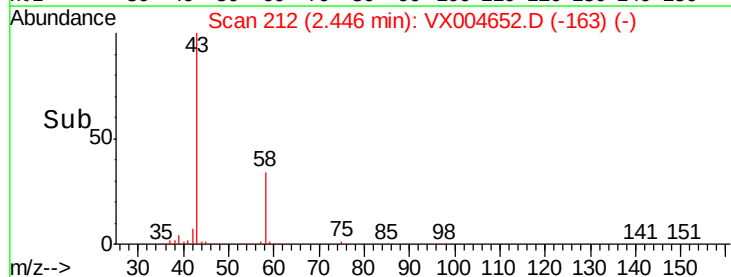
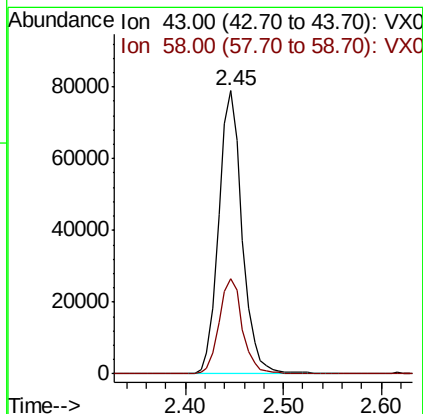
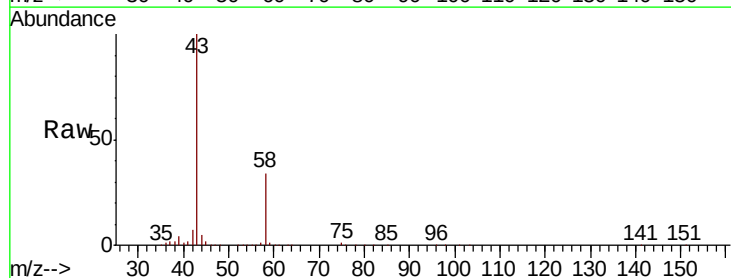
Lab File: VX004652.D

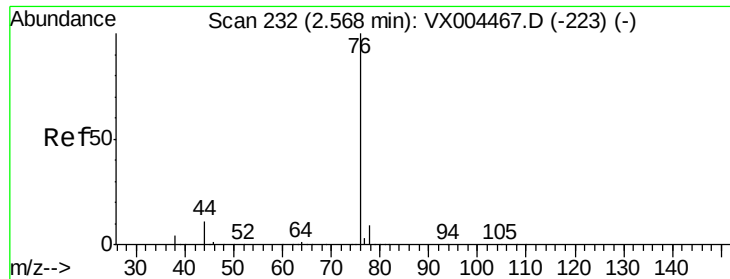
Acq: 18 Sep 2018 12:42

Tgt Ion: 43 Resp: 130414
Ion Ratio Lower Upper

43 100

58 33.6 26.2 39.4





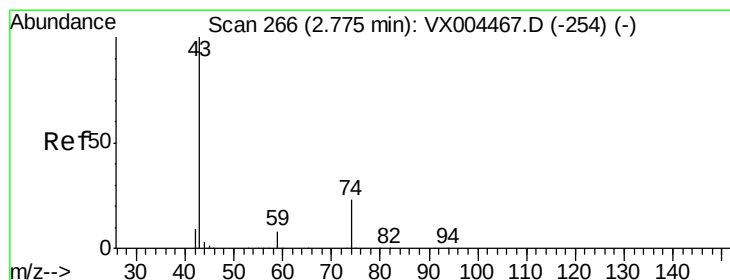
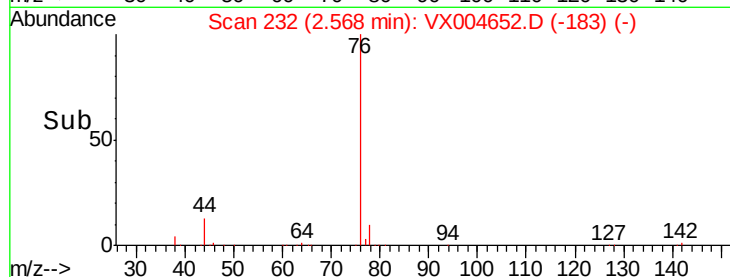
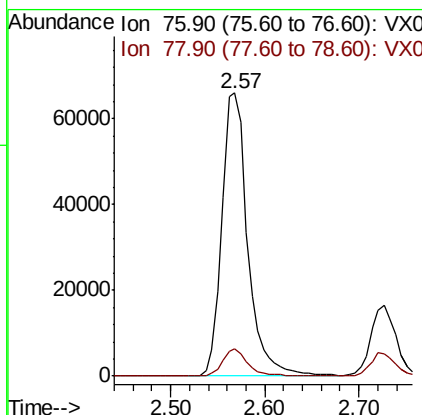
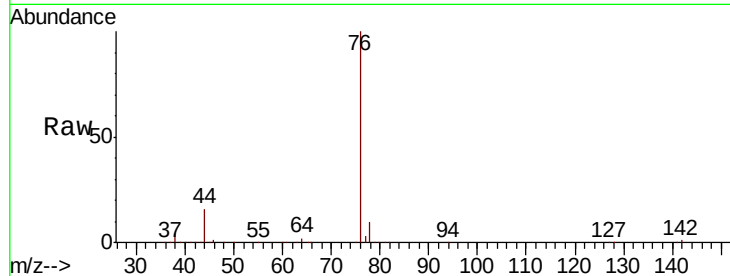
#17
Carbon Disulfide
Concen: 18.264 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX004652.D
Acq: 18 Sep 2018 12:42

Instrument :
MSVOA_X
ClientSampleId :
VX0918MBSD01

Tgt Ion: 76 Resp: 126226
Ion Ratio Lower Upper
76 100
78 9.4 7.0 10.6

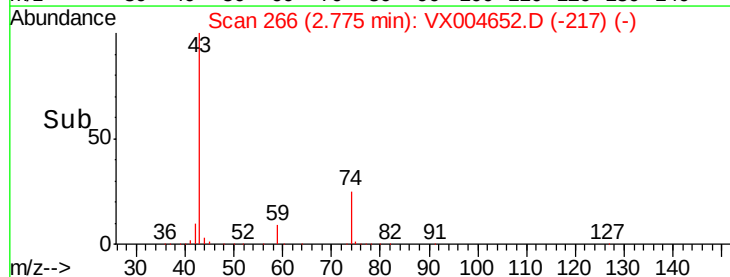
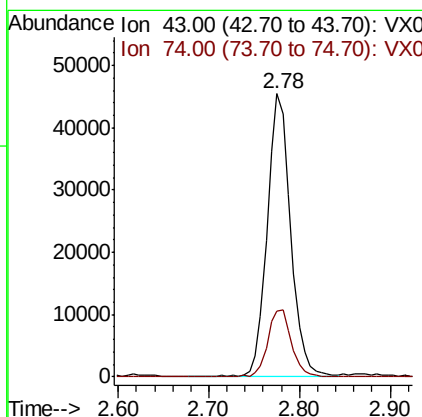
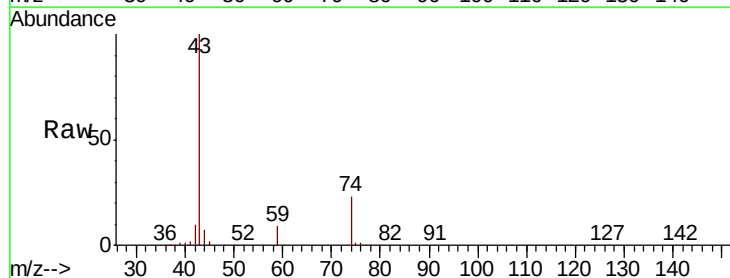
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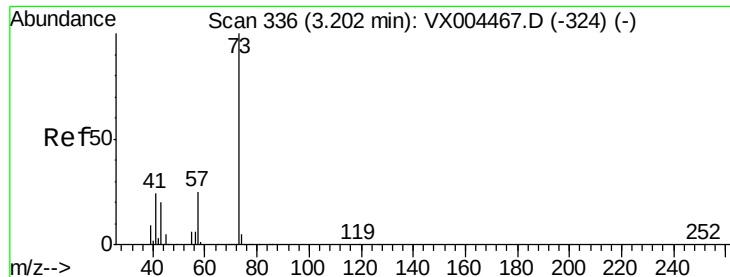
MMDadoda
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#18
Methyl Acetate
Concen: 19.960 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX004652.D
Acq: 18 Sep 2018 12:42

Tgt Ion: 43 Resp: 80648
Ion Ratio Lower Upper
43 100
74 24.5 19.4 29.2





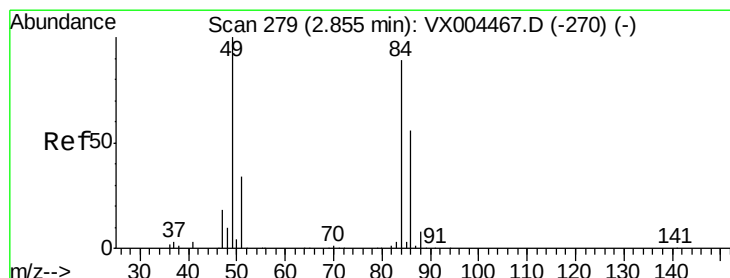
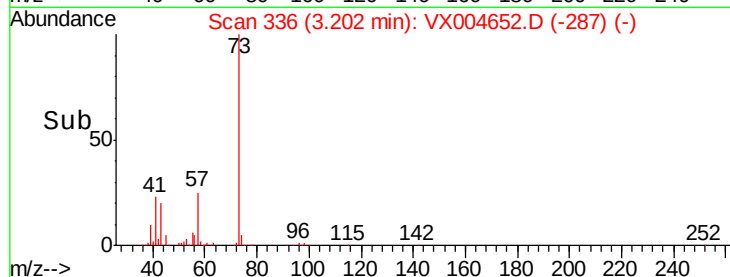
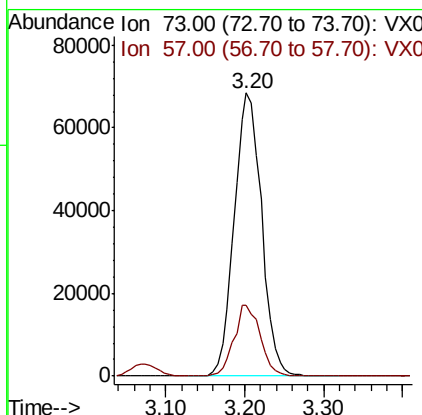
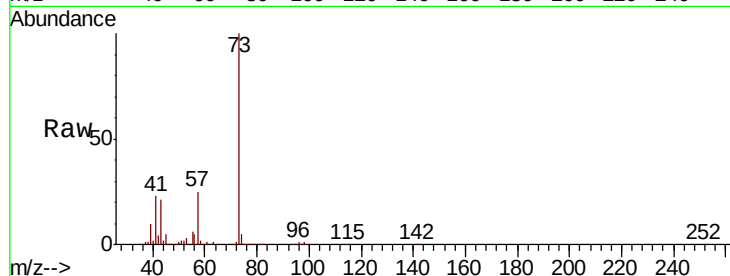
#19
Methyl tert-butyl Ether
Concen: 19.689 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX004652.D
Acq: 18 Sep 2018 12:42

Instrument :
MSVOA_X
ClientSampleId :
VX0918MBSD01

Tgt Ion: 73 Resp: 165187
Ion Ratio Lower Upper
73 100
57 25.0 17.1 25.7

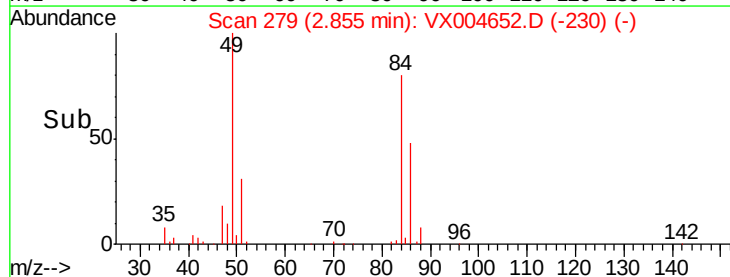
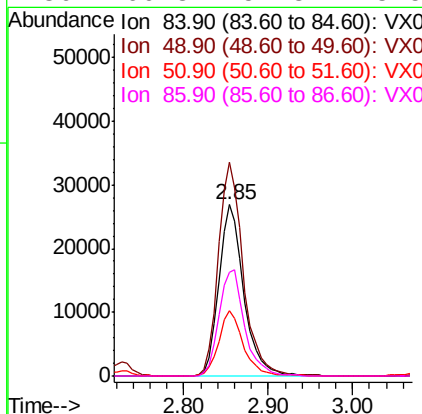
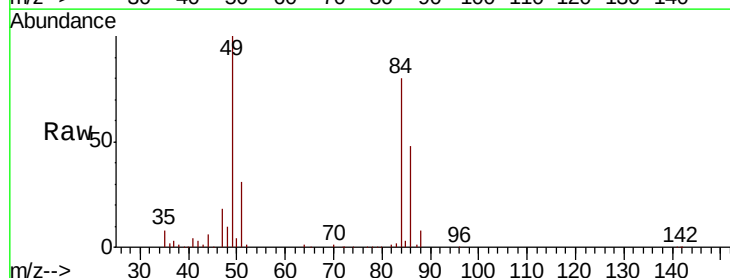
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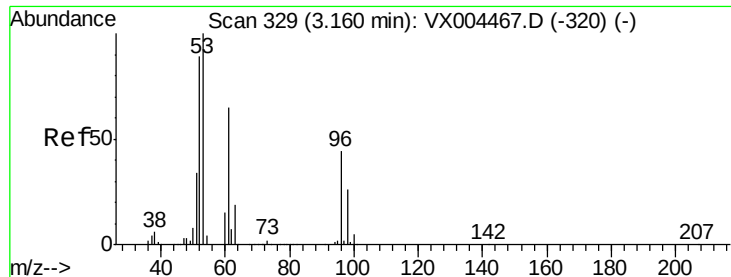
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#20
Methylene Chloride
Concen: 18.540 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX004652.D
Acq: 18 Sep 2018 12:42

Tgt Ion: 84 Resp: 54772
Ion Ratio Lower Upper
84 100
49 124.7 101.2 151.8
51 38.2 29.5 44.3
86 60.3 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 19.129 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX004652.D

Acq: 18 Sep 2018 12:42

Instrument :

MSVOA_X

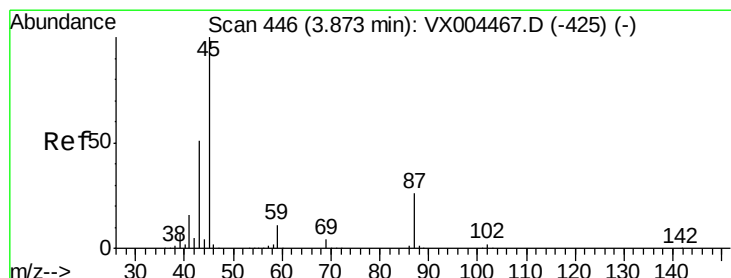
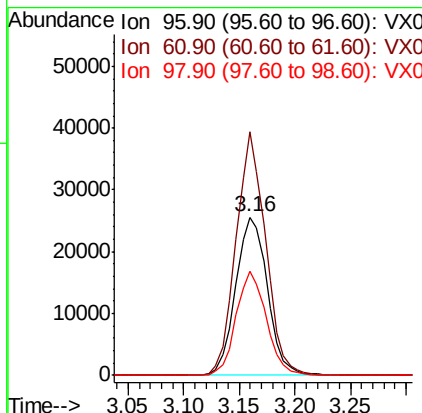
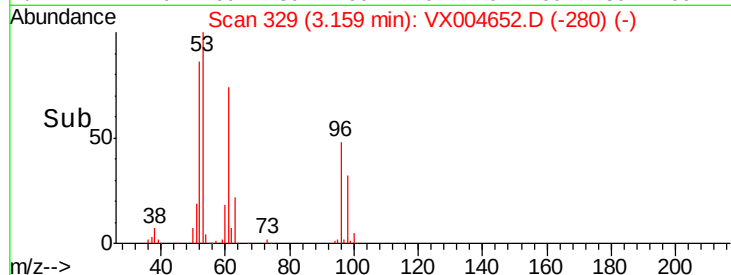
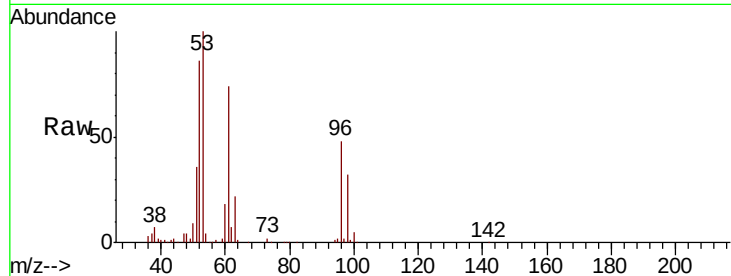
ClientSampleID :

VX0918MBSD01

Tgt Ion:	96	Resp:	50541
Ion	Ratio	Lower	Upper
96	100		
61	153.9	113.8	170.6
98	66.0	51.8	77.8

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#22

Diisopropyl ether

Concen: 20.371 ug/l

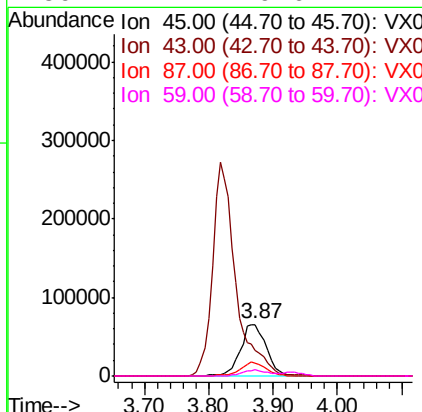
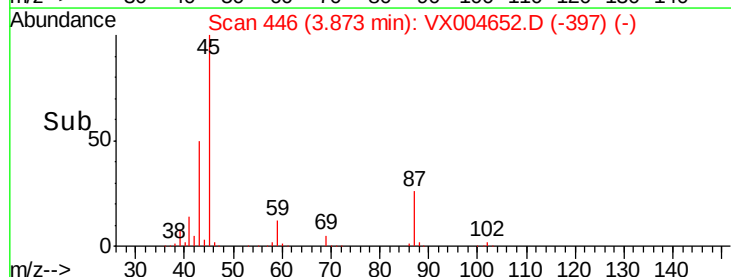
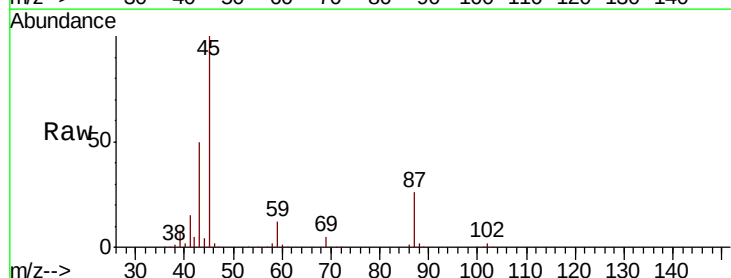
RT: 3.87 min Scan# 446

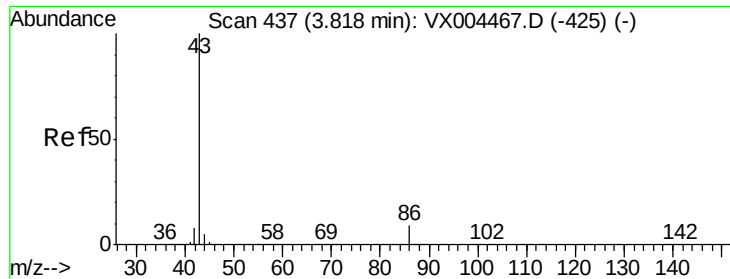
Delta R.T. -0.00 min

Lab File: VX004652.D

Acq: 18 Sep 2018 12:42

Tgt Ion:	45	Resp:	180354
Ion	Ratio	Lower	Upper
45	100		
43	49.9	42.8	64.2
87	26.0	22.6	34.0
59	11.7	9.6	14.4





#23

Vinyl Acetate

Concen: 96.373 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX004652.D

Acq: 18 Sep 2018 12:42

Instrument :

MSVOA_X

ClientSampleId :

VX0918MBSD01

Tgt Ion: 43 Resp: 690483

Ion Ratio Lower Upper

43 100

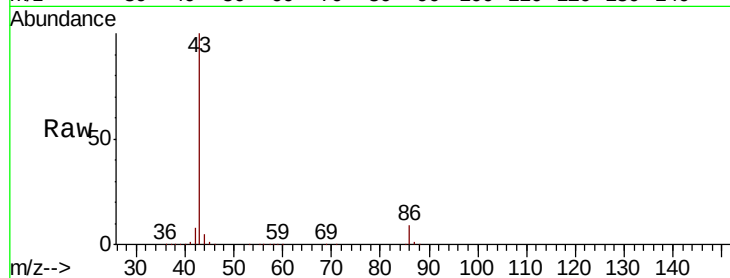
86 9.1 8.9 13.3

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

250000

200000

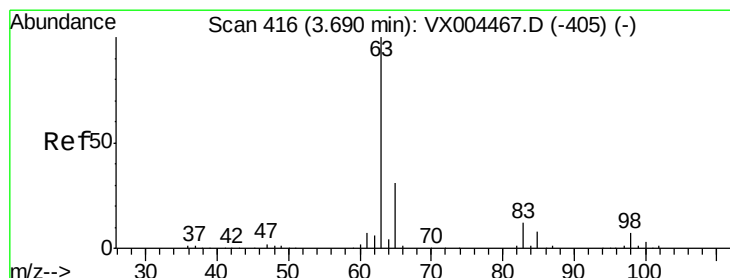
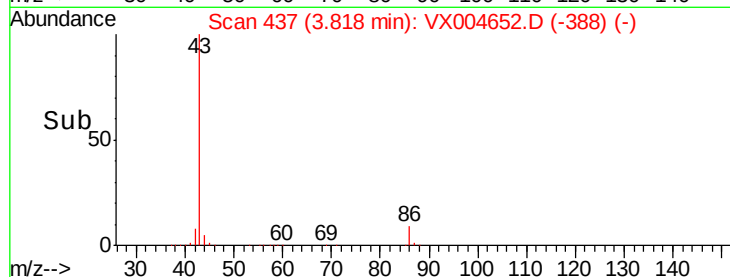
150000

100000

50000

0

Time--> 3.60 3.80 4.00



#24

1,1-Dichloroethane

Concen: 18.904 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.00 min

Lab File: VX004652.D

Acq: 18 Sep 2018 12:42

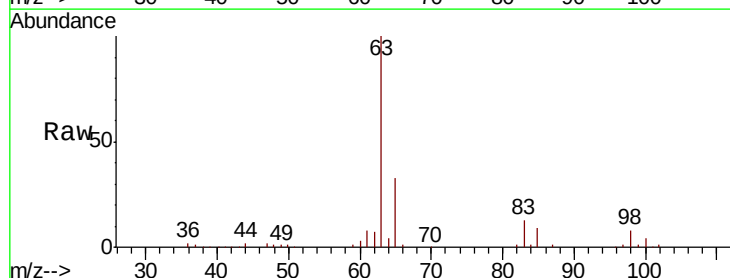
Tgt Ion: 63 Resp: 94491

Ion Ratio Lower Upper

63 100

98 7.9 3.5 10.4

100 4.3 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

3.69

50000

40000

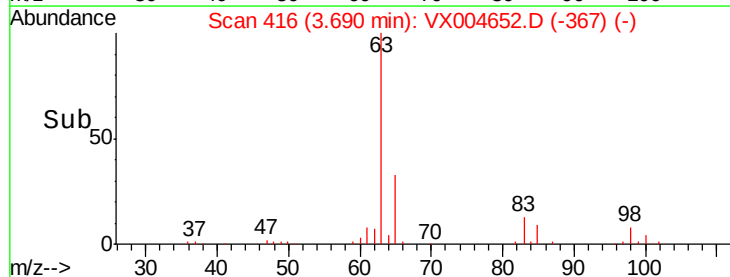
30000

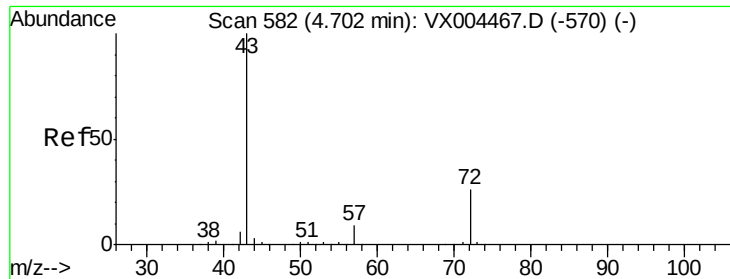
20000

10000

0

Time--> 3.60 3.70 3.80





#25

2-Butanone

Concen: 88.239 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX004652.D

Acq: 18 Sep 2018 12:42

Instrument :

MSVOA_X

ClientSampleId :

VX0918MBSD01

Tgt Ion: 43 Resp: 202242

Ion Ratio Lower Upper

43 100

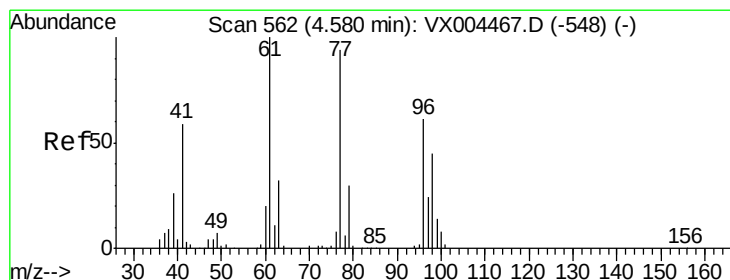
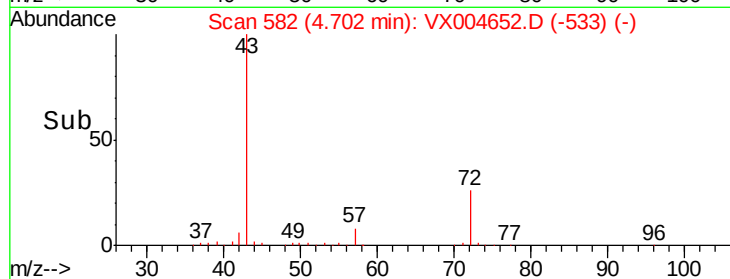
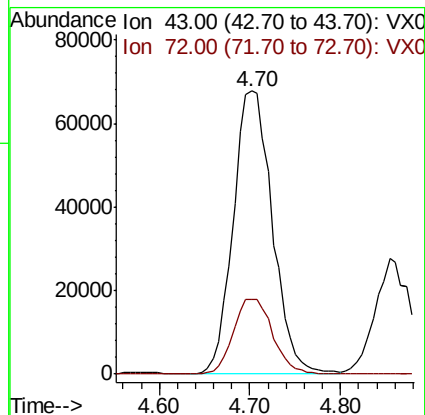
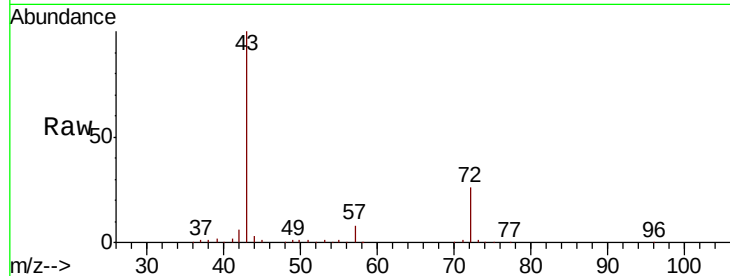
72 26.2 22.0 33.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.533 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX004652.D

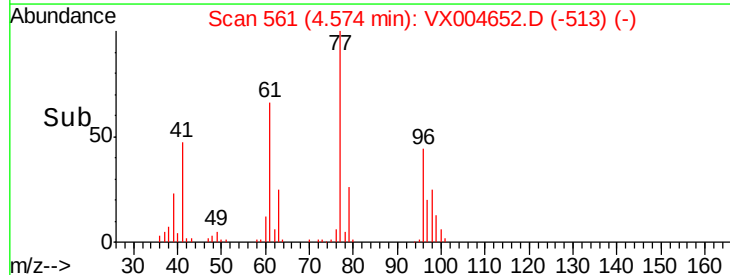
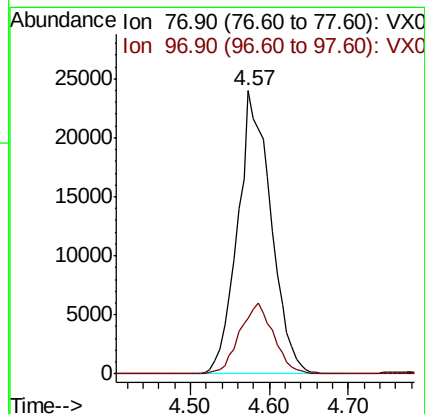
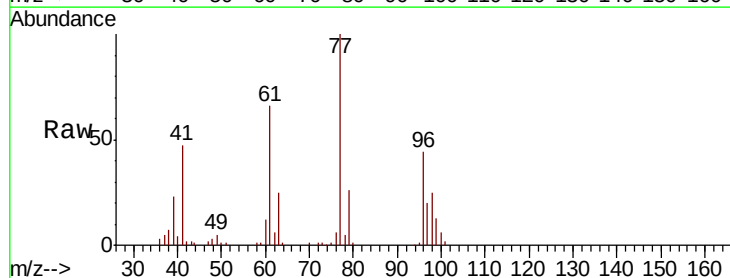
Acq: 18 Sep 2018 12:42

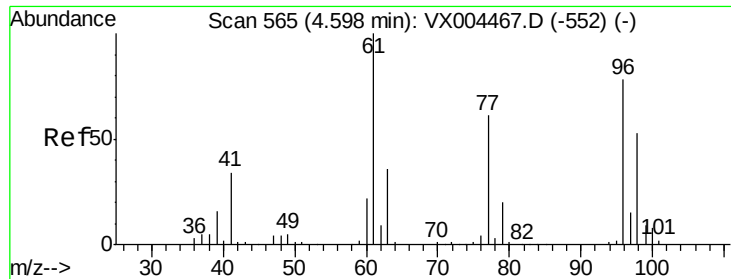
Tgt Ion: 77 Resp: 70495

Ion Ratio Lower Upper

77 100

97 25.3 11.7 35.0





#27

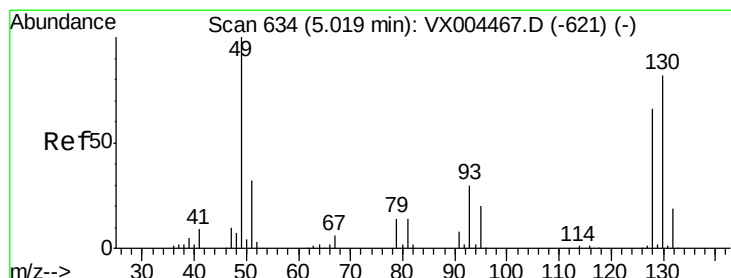
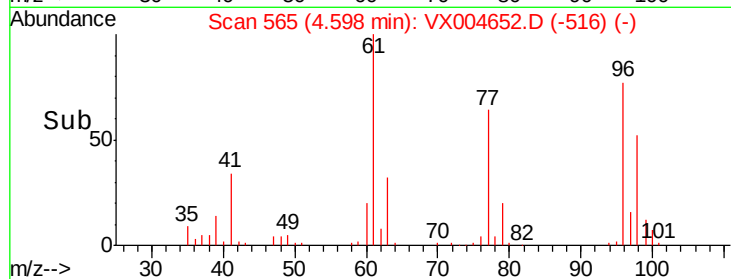
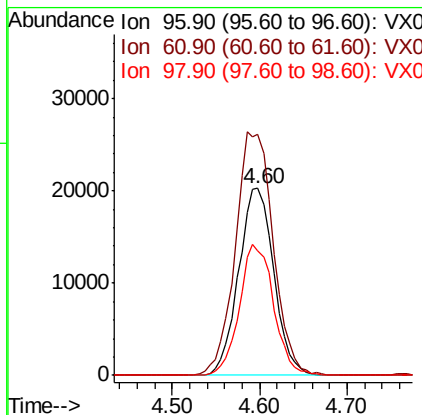
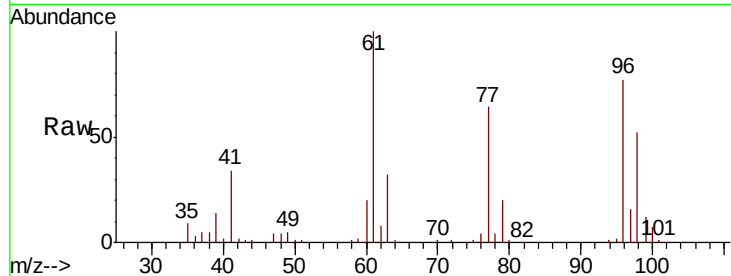
cis-1,2-Dichloroethene
Concen: 19.293 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX004652.D
Acq: 18 Sep 2018 12:42

Instrument :
MSVOA_X
ClientSampleId :
VX0918MBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	56903		
61	140.0	0.0	282.6	
98	68.1	0.0	130.2	

Manual Integrations
APPROVED

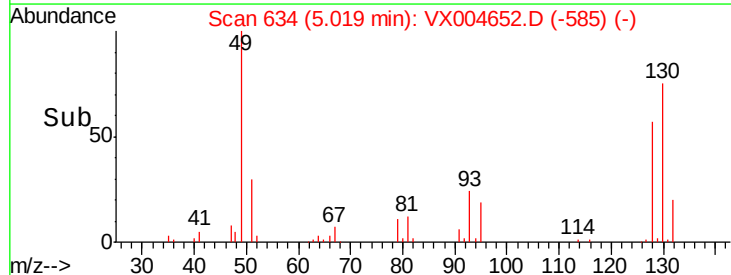
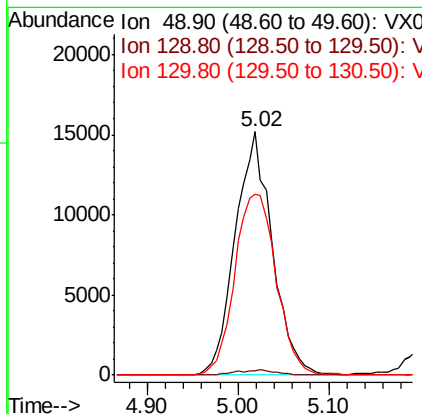
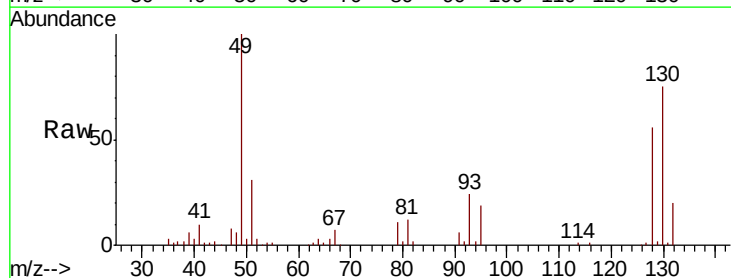
MMDadoda
9/19/2018 12:51:10 PM

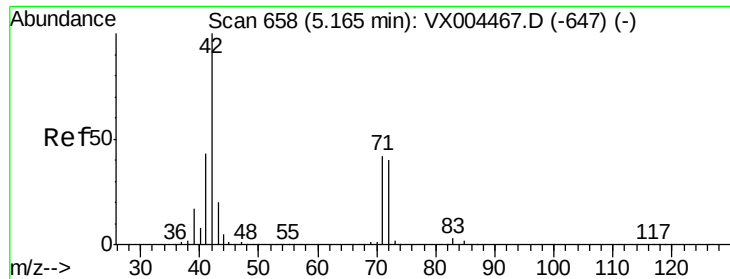


#28

Bromochloromethane
Concen: 18.840 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX004652.D
Acq: 18 Sep 2018 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	43075		
129	2.1	0.0	4.2	
130	82.7	67.5	101.3	





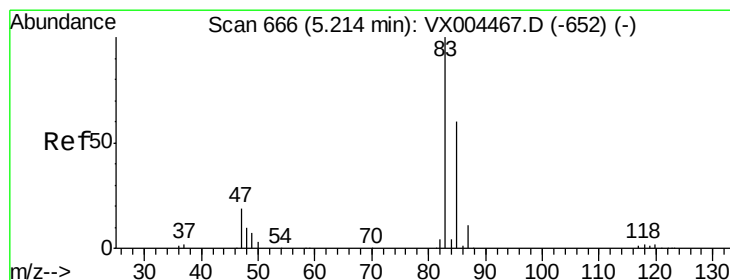
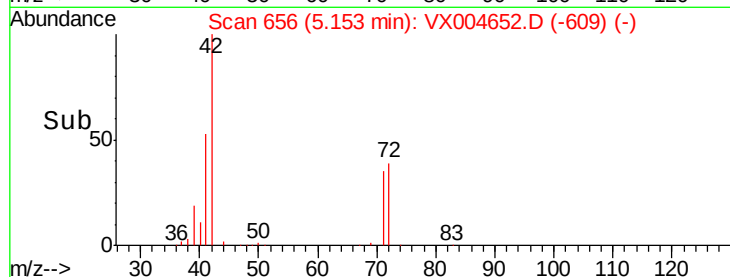
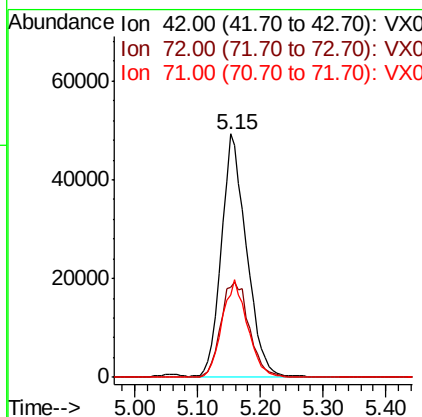
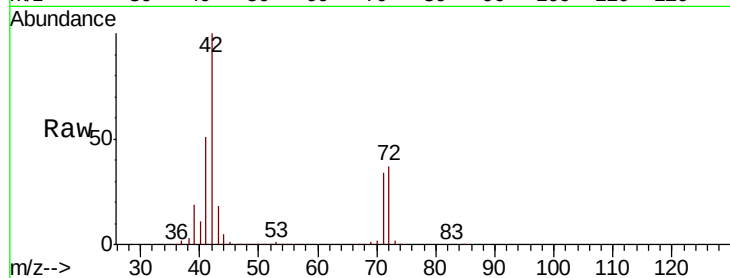
#29
Tetrahydrofuran
Concen: 98.937 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.01 min
Lab File: VX004652.D
Acq: 18 Sep 2018 12:42

Instrument :
MSVOA_X
ClientSampleId :
VX0918MBSD01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	44.0	37.4	56.0
71	40.4	34.5	51.7

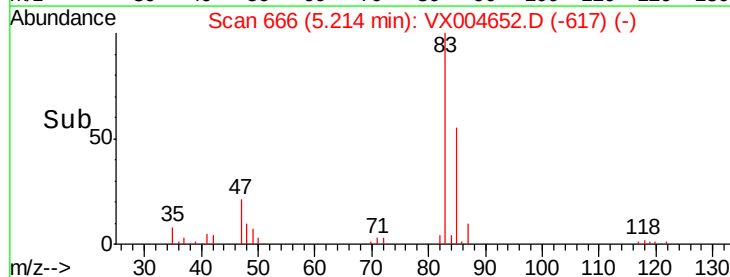
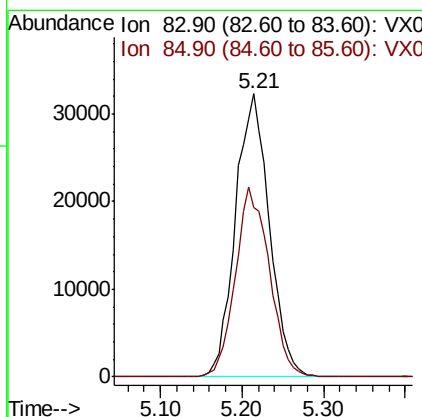
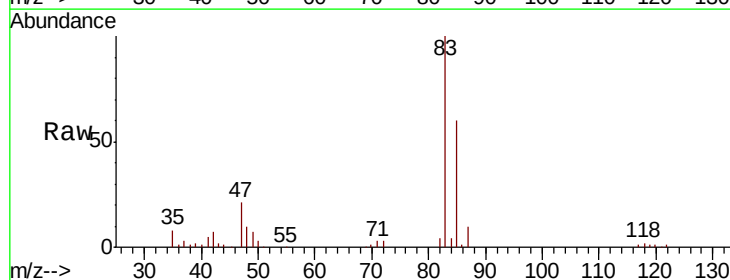
Manual Integrations
APPROVED

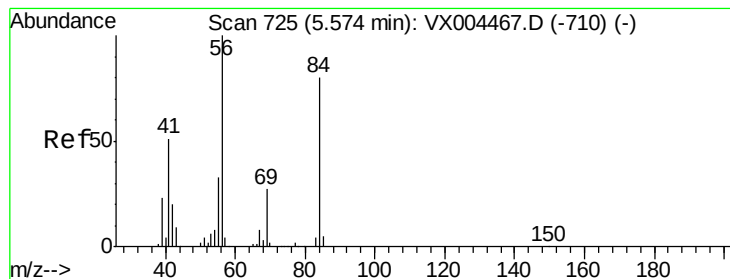
MMDadoda
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#30
Chloroform
Concen: 19.062 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX004652.D
Acq: 18 Sep 2018 12:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.9	52.6	79.0





#31

Cyclohexane

Concen: 18.537 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX004652.D

Acq: 18 Sep 2018 12:42

Instrument :

MSVOA_X

ClientSampleId :

VX0918MBSD01

Tgt Ion: 56 Resp: 79118

Ion Ratio Lower Upper

56 100

69 29.0 25.4 38.2

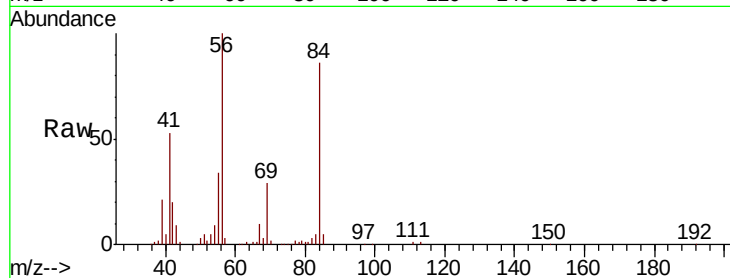
84 85.2 71.4 107.2

Manual Integrations

APPROVED

MMDadoda

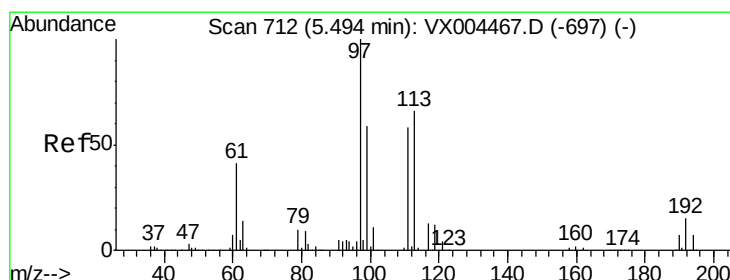
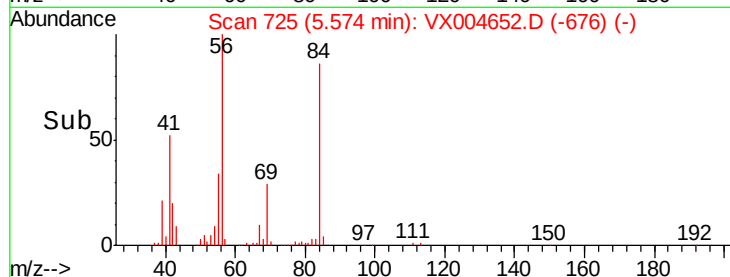
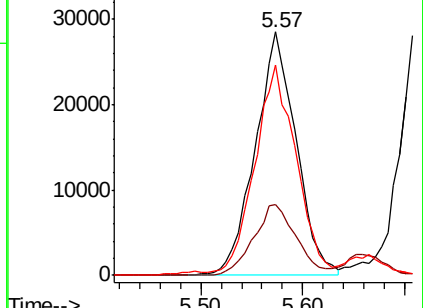
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 19.249 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX004652.D

Acq: 18 Sep 2018 12:42

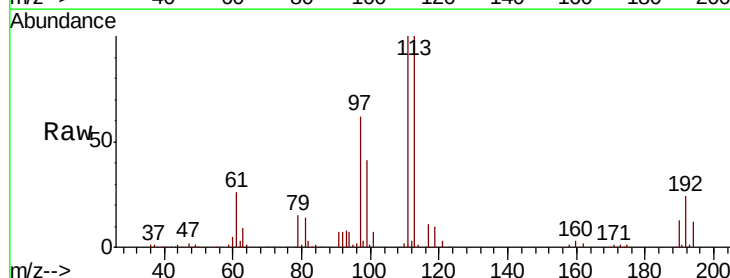
Tgt Ion: 97 Resp: 75655

Ion Ratio Lower Upper

97 100

99 64.3 52.0 78.0

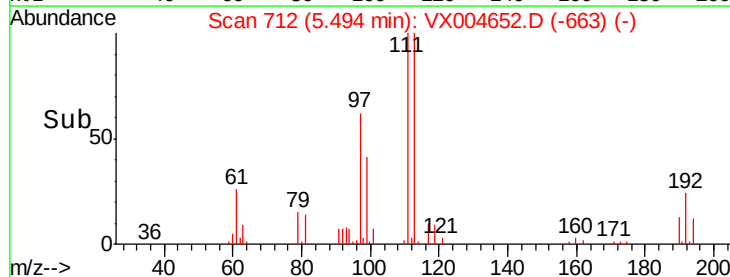
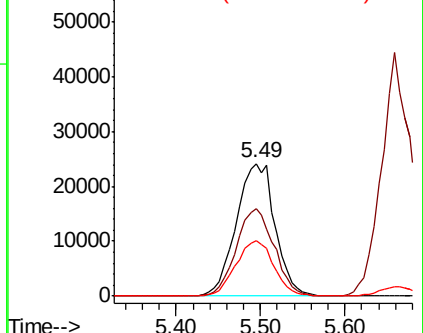
61 41.1 34.9 52.3

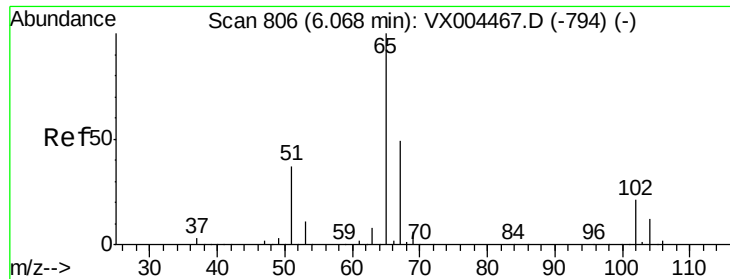


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





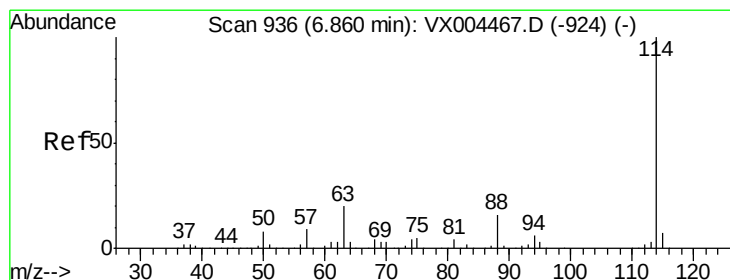
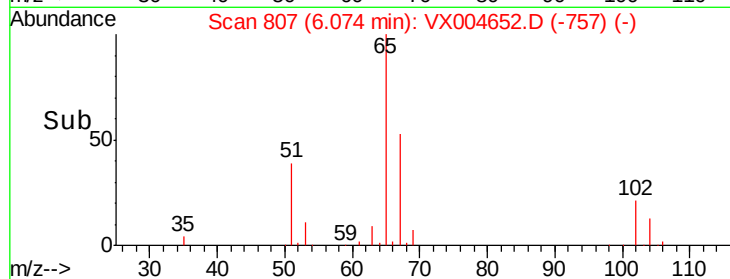
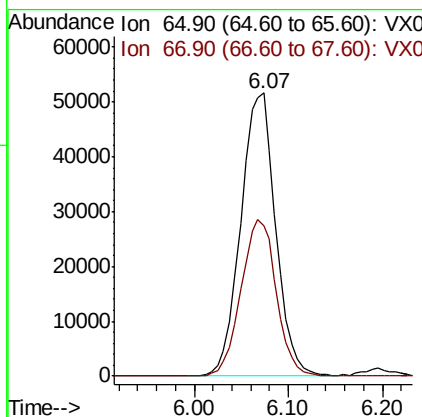
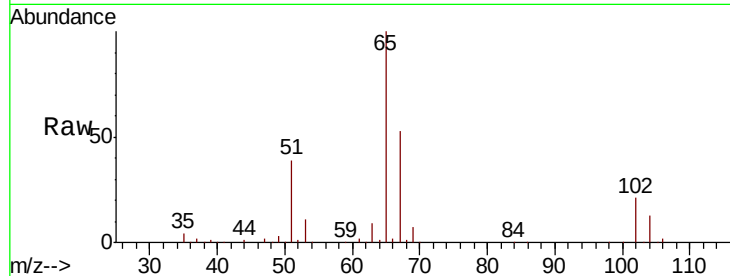
#33
 1,2-Dichloroethane-d4
 Concen: 45.394 ug/l
 RT: 6.07 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX004652.D
 Acq: 18 Sep 2018 12:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918MBSD01

Tgt Ion: 65 Resp: 133939
 Ion Ratio Lower Upper
 65 100
 67 55.9 0.0 106.8

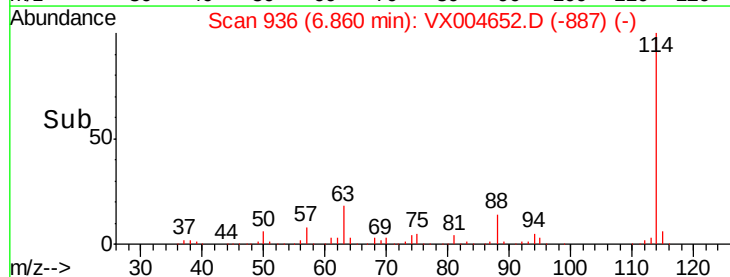
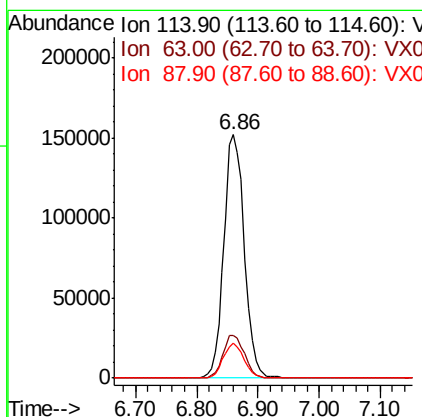
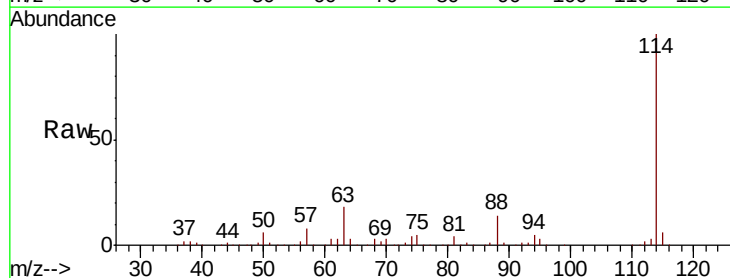
Manual Integrations
 APPROVED

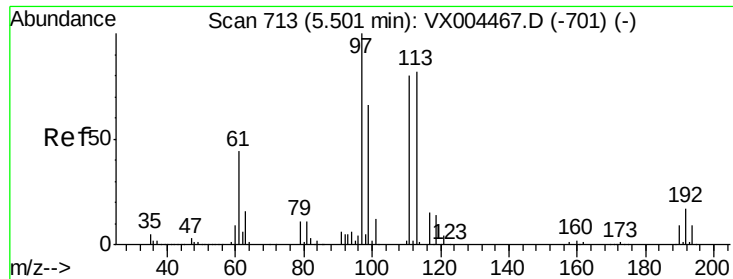
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004652.D
 Acq: 18 Sep 2018 12:42

Tgt Ion: 114 Resp: 349837
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 39.0
 88 14.4 0.0 30.4





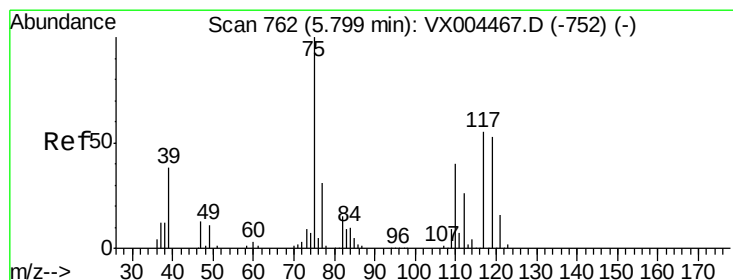
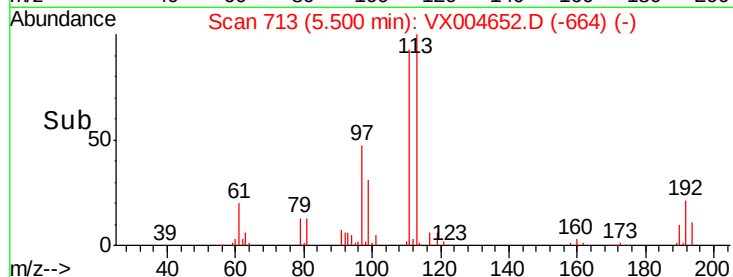
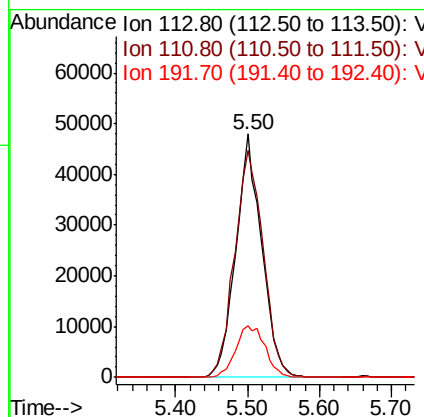
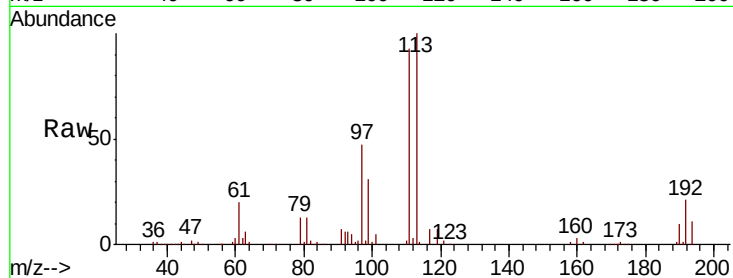
#35
 Dibromofluoromethane
 Concen: 37.377 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX004652.D
 Acq: 18 Sep 2018 12:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918MBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	119655		
111	102.6	82.4	123.6	
192	24.1	19.4	29.2	

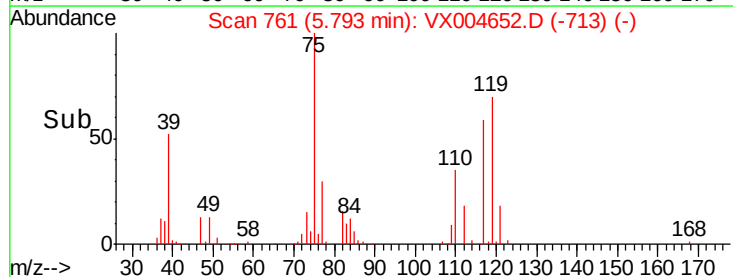
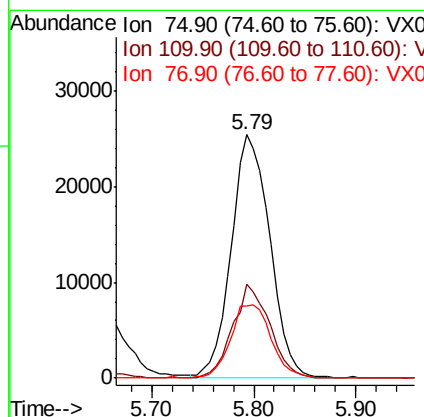
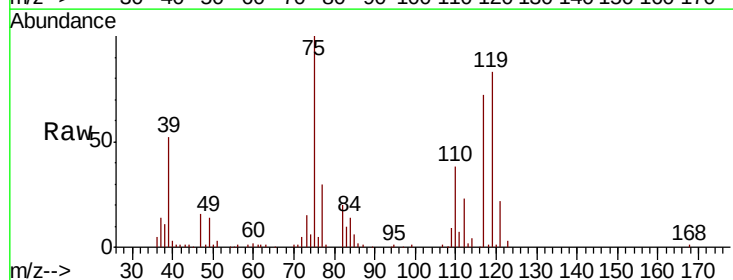
Manual Integrations
 APPROVED

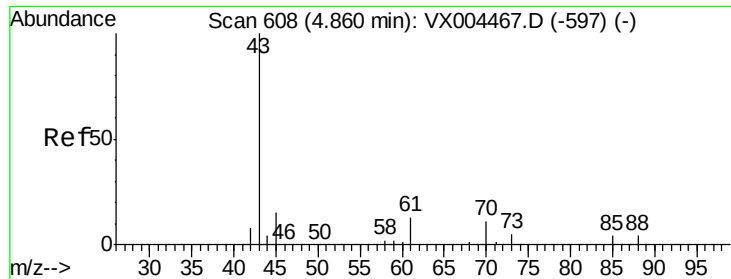
MMDadoda
 9/19/2018 12:51:10 PM



#36
 1,1-Dichloropropene
 Concen: 15.628 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX004652.D
 Acq: 18 Sep 2018 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	66377		
110	37.1	18.0	54.0	
77	32.0	24.6	36.8	





#37

Ethyl Acetate

Concen: 16.012 ug/l

RT: 4.85 min Scan# 607

Delta R.T. -0.01 min

Lab File: VX004652.D

Acq: 18 Sep 2018 12:42

Instrument :

MSVOA_X

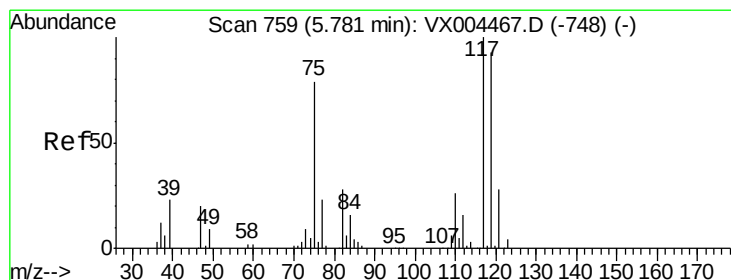
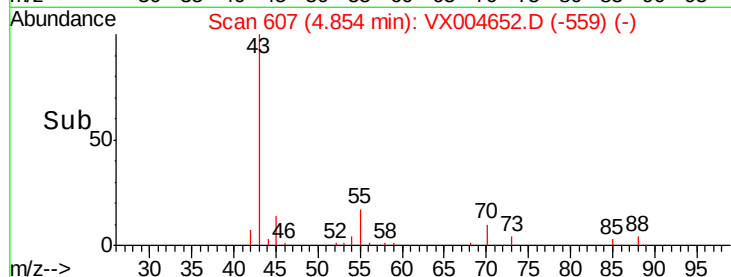
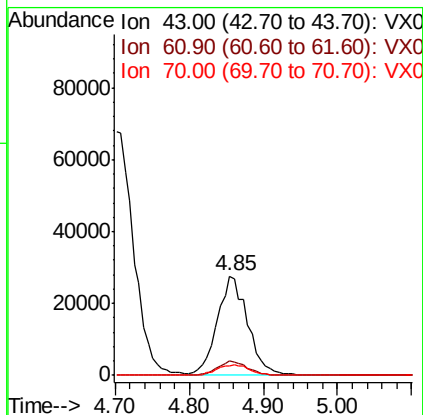
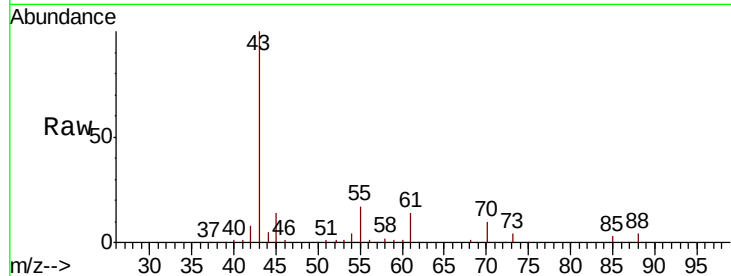
ClientSampleId :

VX0918MBSD01

Tgt Ion:	43	Resp:	77346
Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.5	17.3
70	11.3	9.0	13.6

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 16.246 ug/l

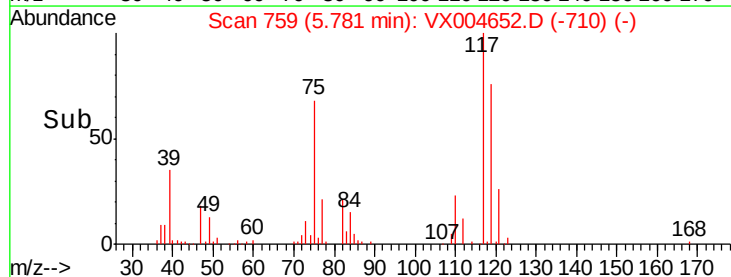
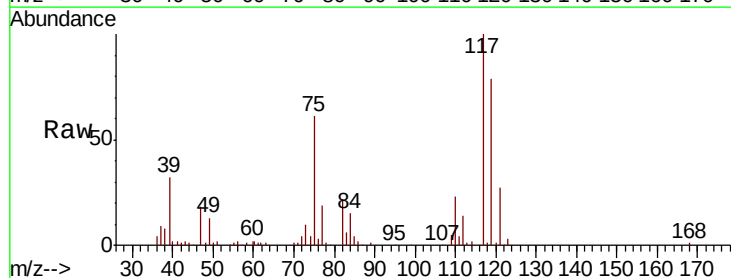
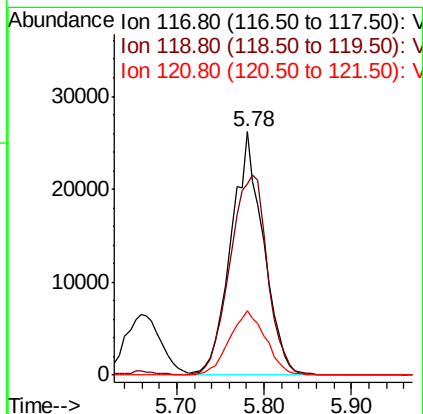
RT: 5.78 min Scan# 759

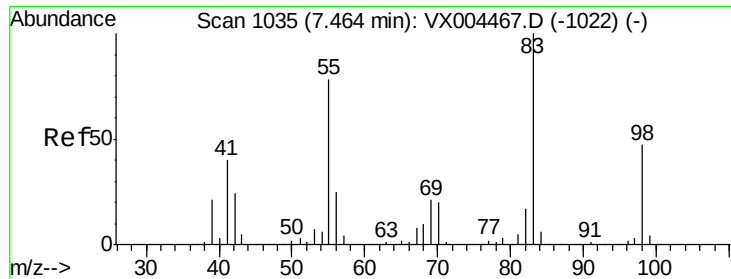
Delta R.T. -0.00 min

Lab File: VX004652.D

Acq: 18 Sep 2018 12:42

Tgt Ion:	117	Resp:	67395
Ion	Ratio	Lower	Upper
117	100		
119	78.7	78.8	118.2#
121	26.7	24.9	37.3





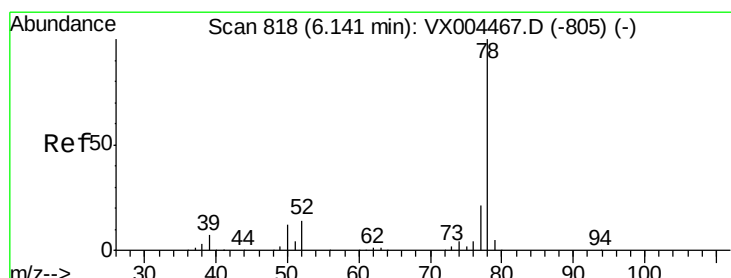
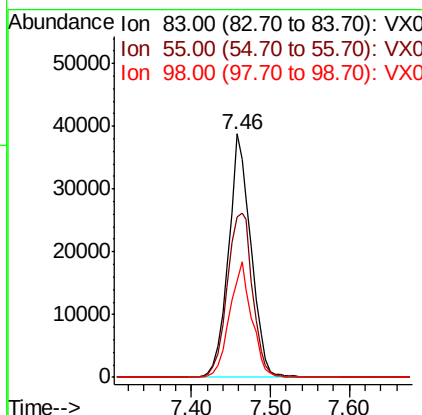
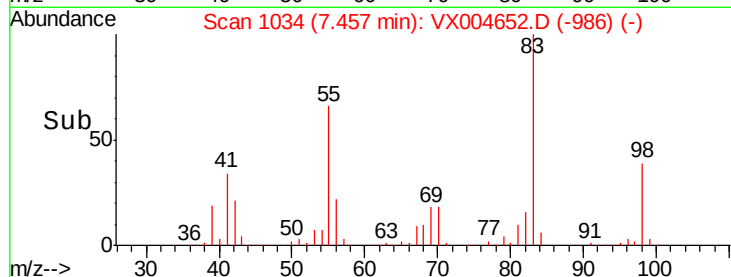
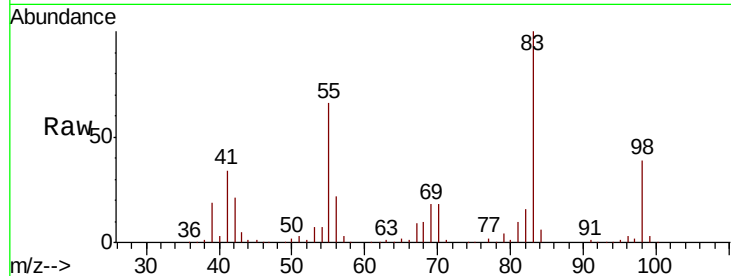
#39
Methylcyclohexane
Concen: 17.349 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX004652.D
Acq: 18 Sep 2018 12:42

Instrument :
MSVOA_X
ClientSampleId :
VX0918MBSD01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	65.7	61.0	91.4
98	39.4	39.6	59.4#

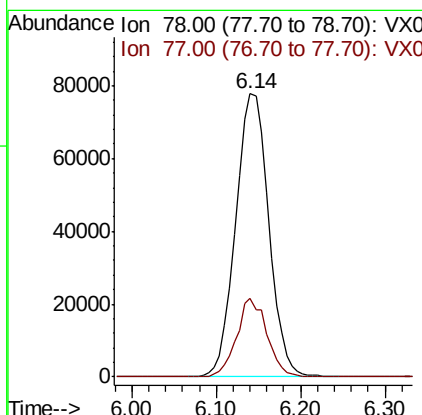
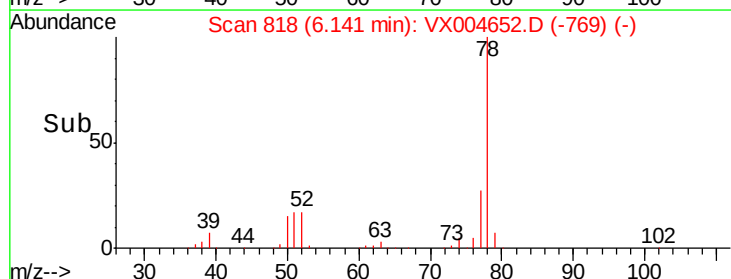
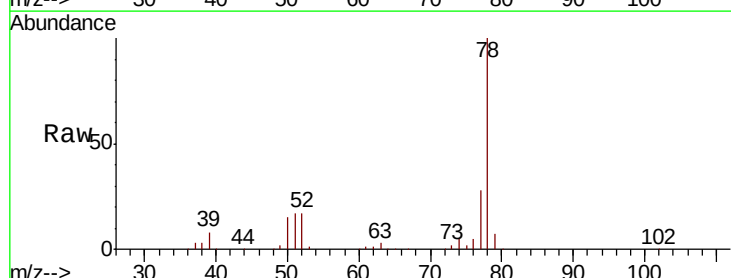
Manual Integrations
APPROVED

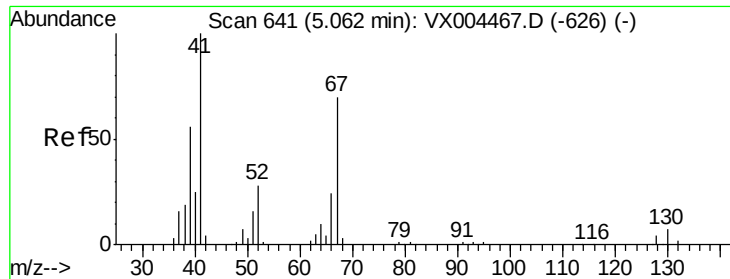
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#40
Benzene
Concen: 16.387 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX004652.D
Acq: 18 Sep 2018 12:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	27.6	19.0	28.4





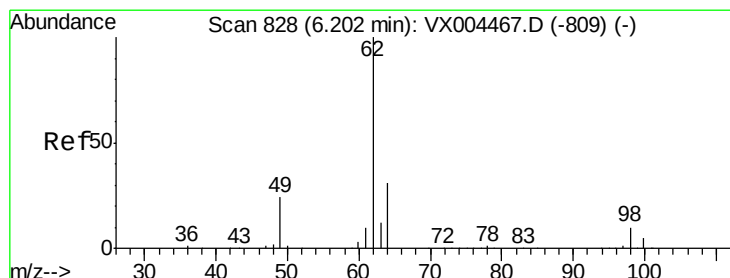
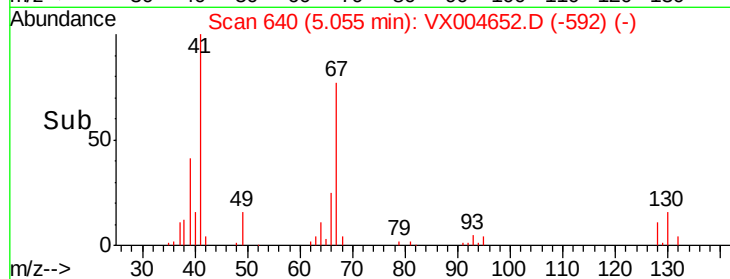
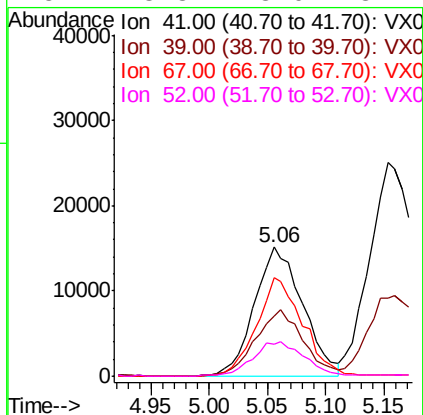
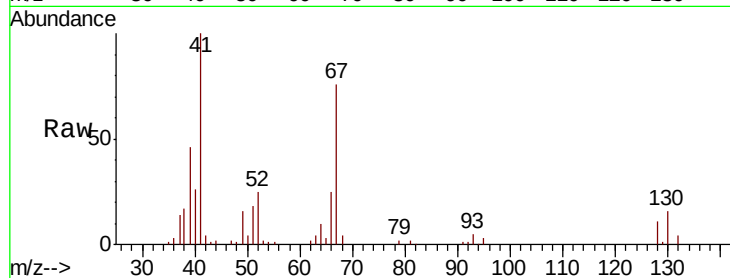
#41
Methacrylonitrile
Concen: 16.433 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX004652.D
Acq: 18 Sep 2018 12:42

Instrument :
MSVOA_X
ClientSampleId :
VX0918MBSD01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	51.1	42.4	63.6
67	73.5	59.2	88.8
52	28.8	23.0	34.4

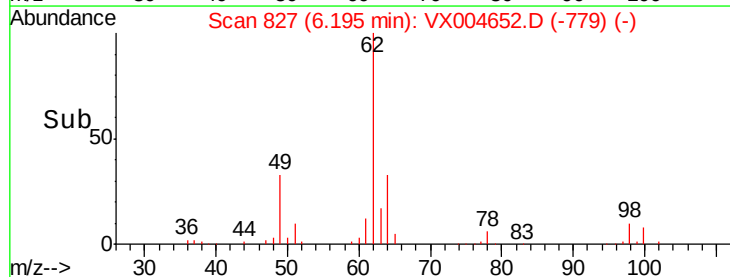
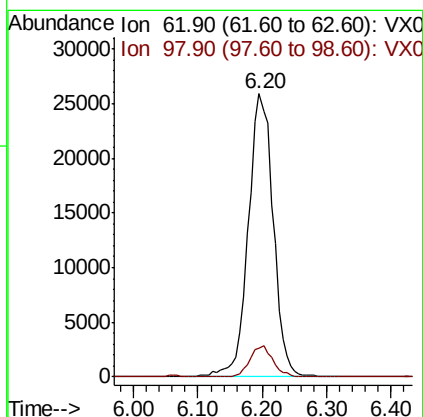
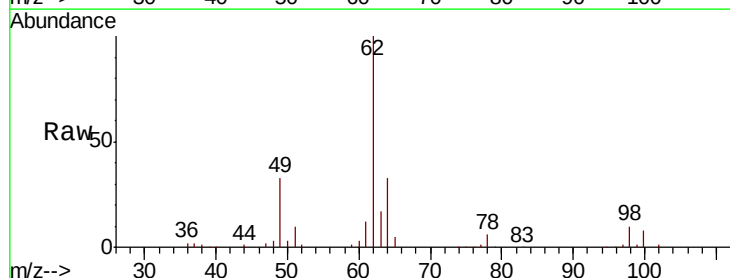
Manual Integrations
APPROVED

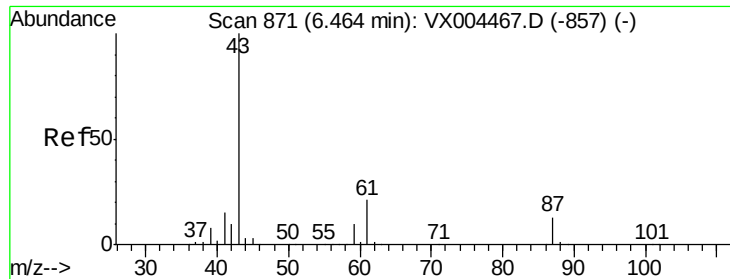
MMDadoda
9/19/2018 12:51:10 PM



#42
1,2-Dichloroethane
Concen: 16.365 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.01 min
Lab File: VX004652.D
Acq: 18 Sep 2018 12:42

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.6





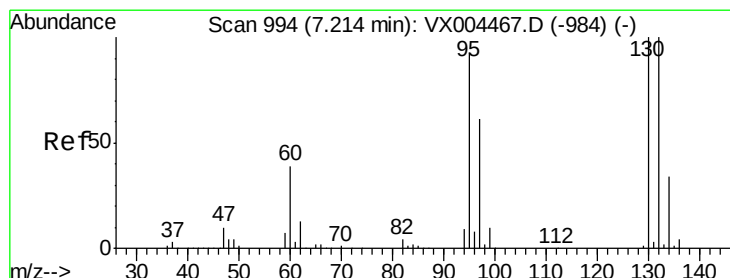
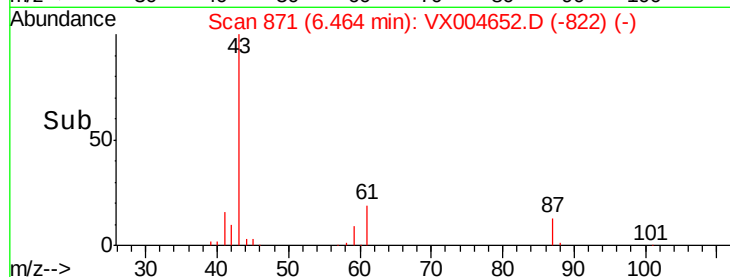
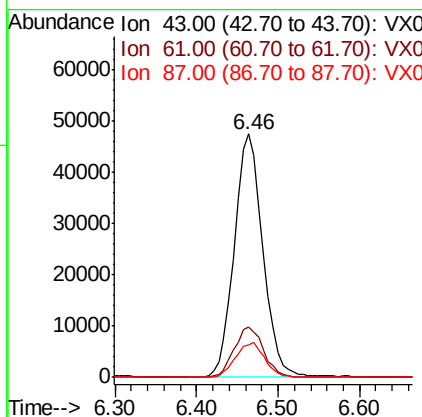
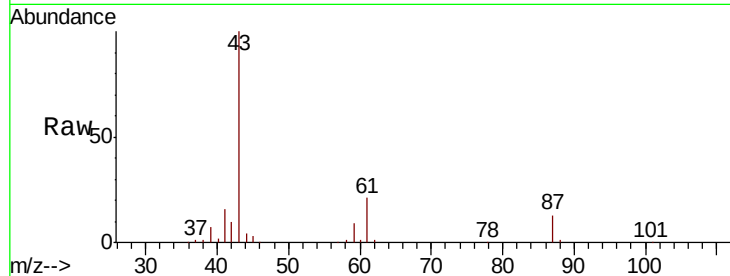
#43
Isopropyl Acetate
Concen: 17.891 ug/l
RT: 6.46 min Scan# 871
Delta R.T. -0.00 min
Lab File: VX004652.D
Acq: 18 Sep 2018 12:42

Instrument :
MSVOA_X
ClientSampleId :
VX0918MBSD01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	21.3	17.0	25.4
87	14.5	11.4	17.2

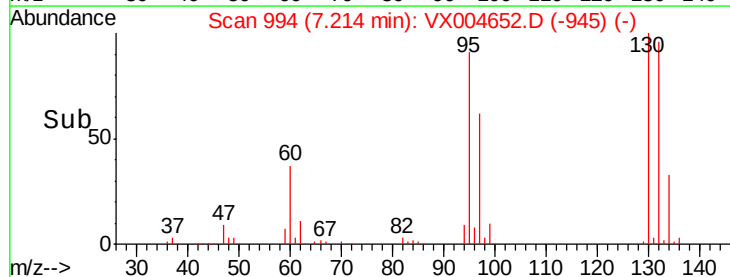
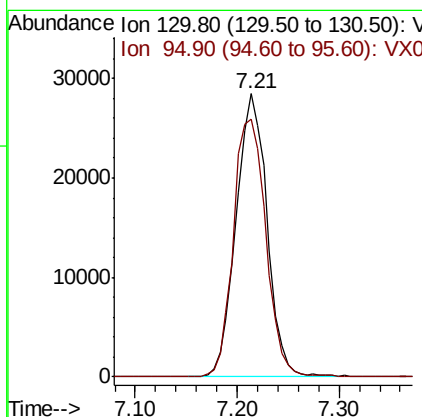
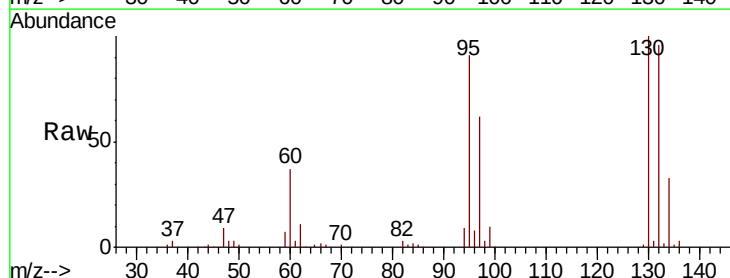
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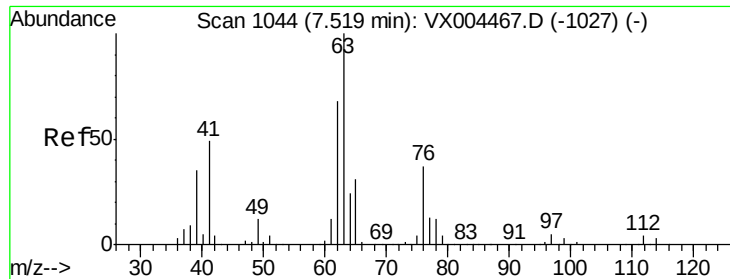
MMDadoda
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#44
Trichloroethene
Concen: 18.309 ug/l
RT: 7.21 min Scan# 994
Delta R.T. -0.00 min
Lab File: VX004652.D
Acq: 18 Sep 2018 12:42

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.3	0.0	181.6





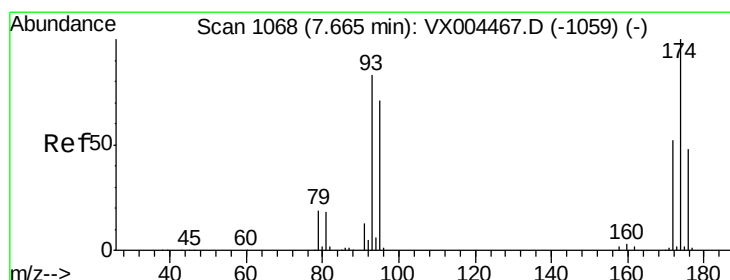
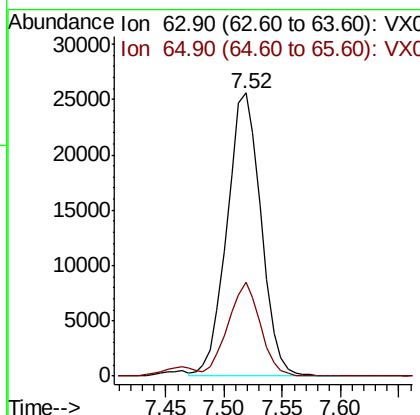
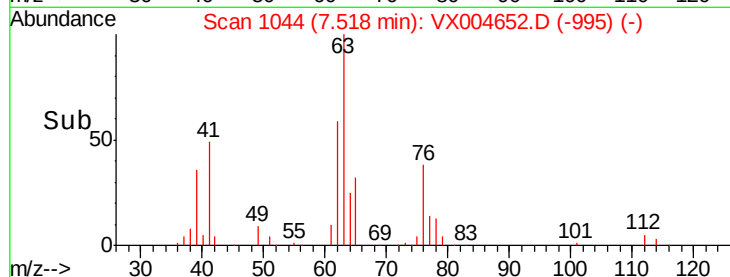
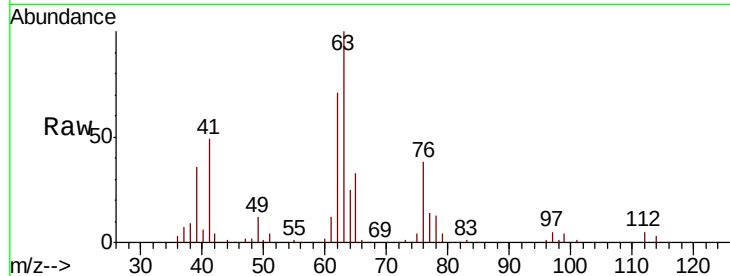
#45
 1,2-Dichloropropane
 Concen: 17.193 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX004652.D
 Acq: 18 Sep 2018 12:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918MBSD01

Tgt Ion: 63 Resp: 52134
 Ion Ratio Lower Upper
 63 100
 65 33.0 24.3 36.5

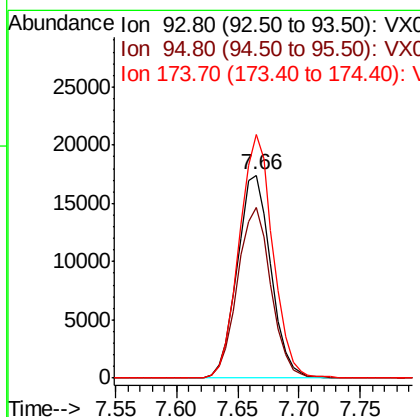
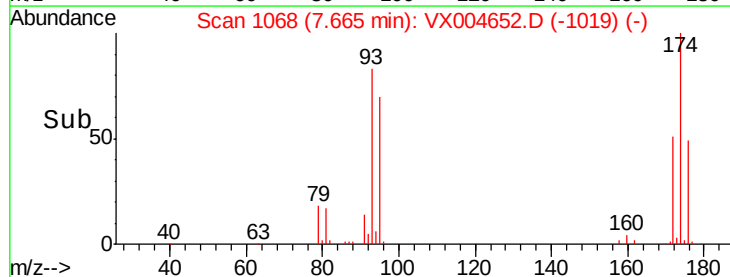
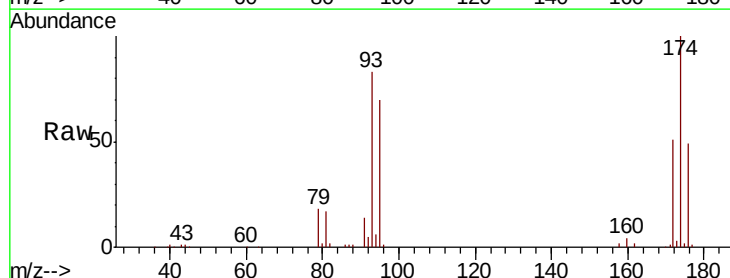
Manual Integrations
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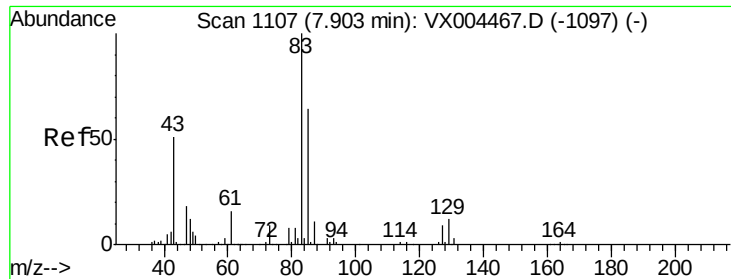
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#46
 Dibromomethane
 Concen: 17.340 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VX004652.D
 Acq: 18 Sep 2018 12:42

Tgt Ion: 93 Resp: 33217
 Ion Ratio Lower Upper
 93 100
 95 83.7 65.5 98.3
 174 120.2 94.2 141.4





#47

Bromodichloromethane

Concen: 17.043 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VX004652.D

Acq: 18 Sep 2018 12:42

Instrument :

MSVOA_X

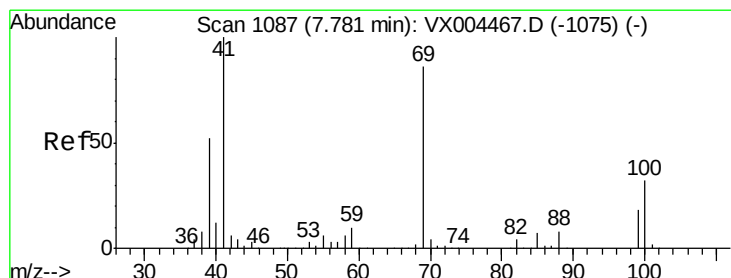
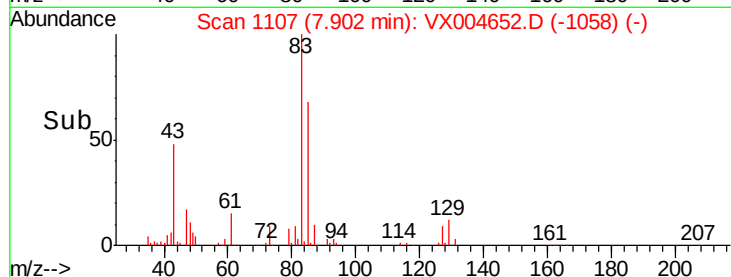
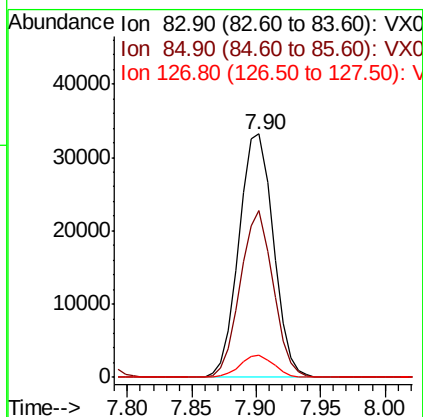
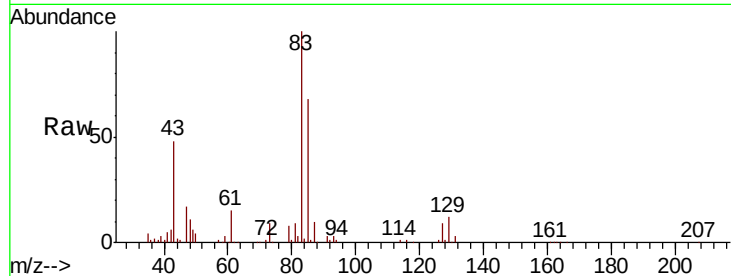
ClientSampleId :

VX0918MBSD01

Tgt Ion:	83	Resp:	61742
Ion	Ratio	Lower	Upper
83	100		
85	68.4	50.9	76.3
127	9.3	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 17.216 ug/l

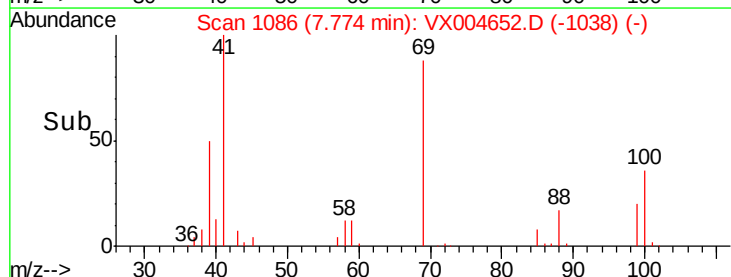
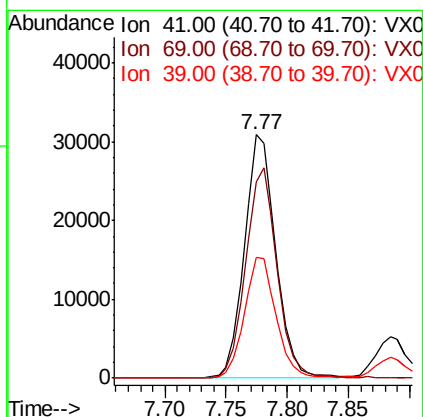
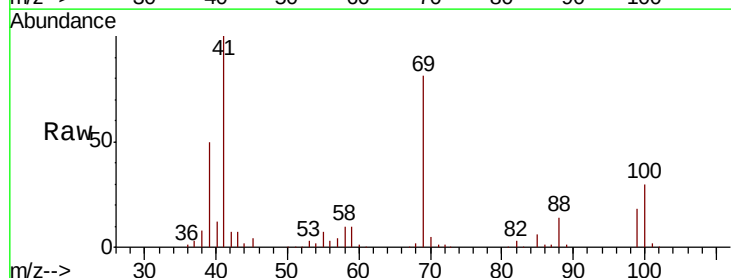
RT: 7.77 min Scan# 1086

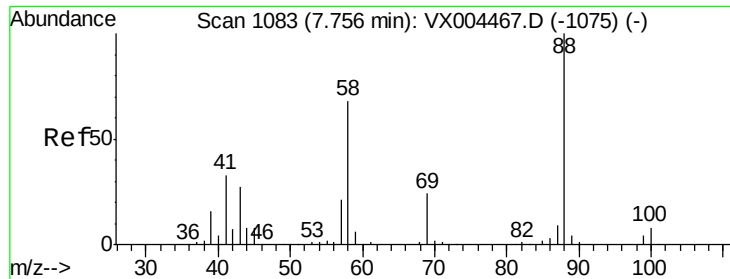
Delta R.T. -0.01 min

Lab File: VX004652.D

Acq: 18 Sep 2018 12:42

Tgt Ion:	41	Resp:	54663
Ion	Ratio	Lower	Upper
41	100		
69	87.1	70.2	105.4
39	50.7	42.7	64.1





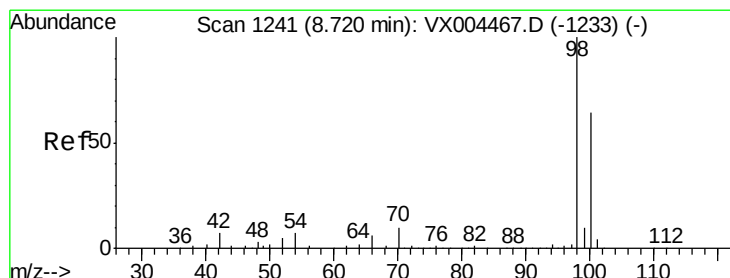
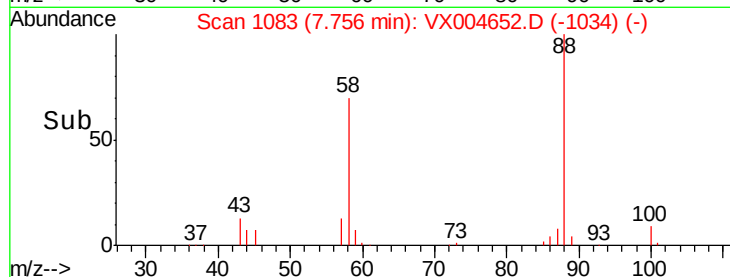
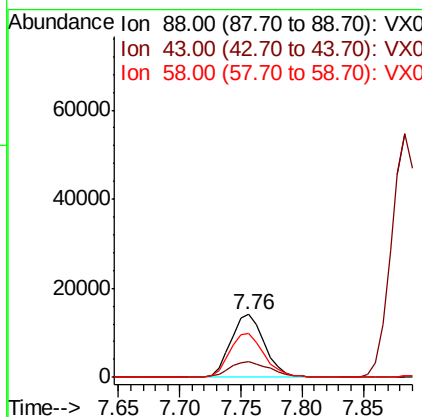
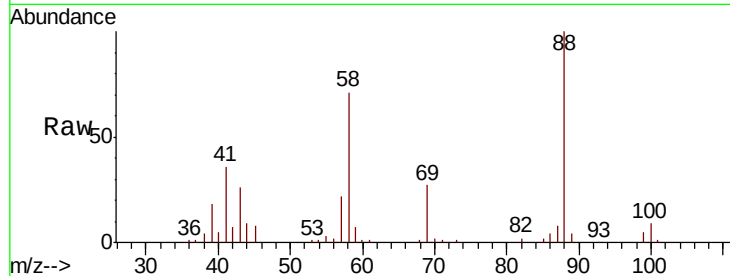
#49
1,4-Dioxane
Concen: 357.653 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX004652.D
Acq: 18 Sep 2018 12:42

Instrument :
MSVOA_X
ClientSampleId :
VX0918MBSD01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	31.0	24.7	37.1
58	72.1	55.3	82.9

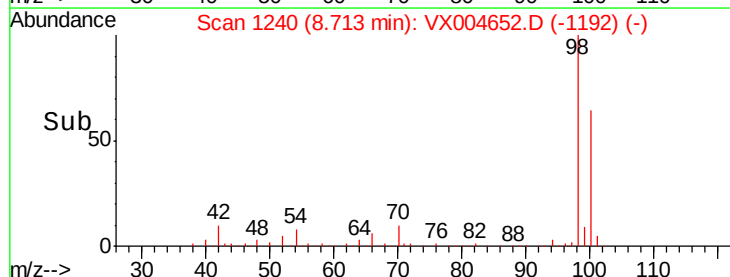
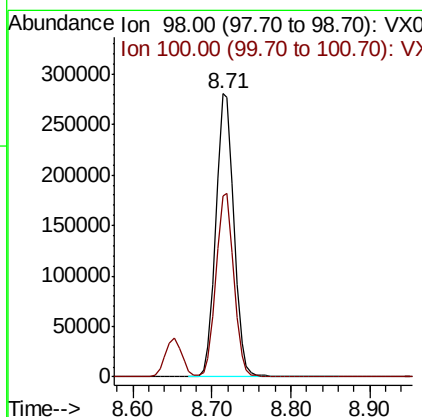
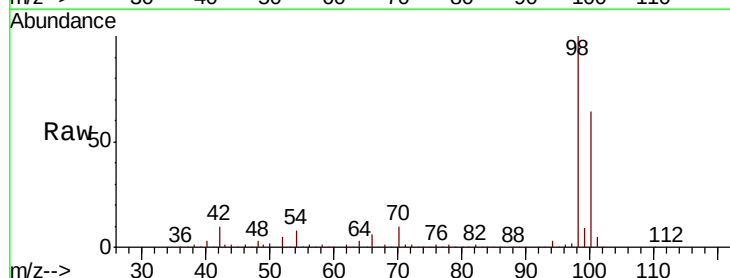
Manual Integrations
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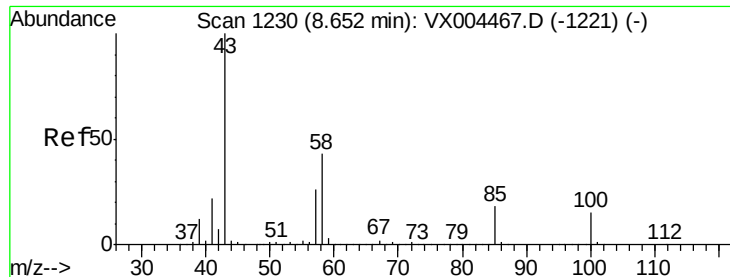
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#50
Toluene-d8
Concen: 41.660 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VX004652.D
Acq: 18 Sep 2018 12:42

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.9	79.3





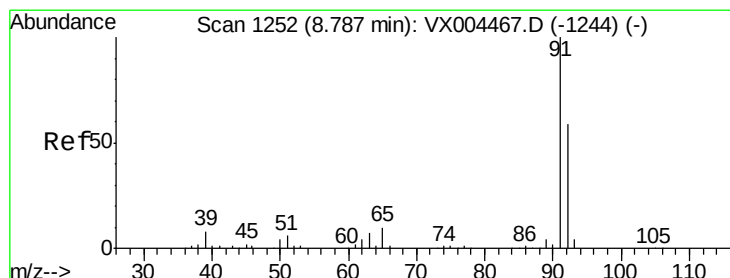
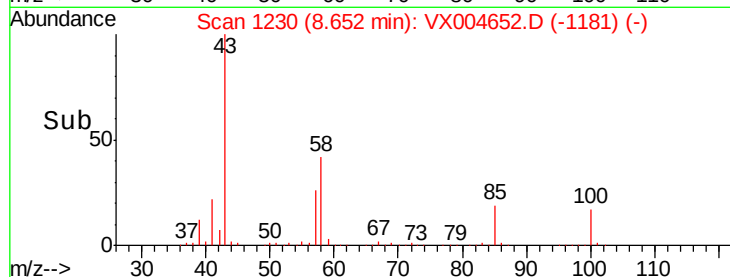
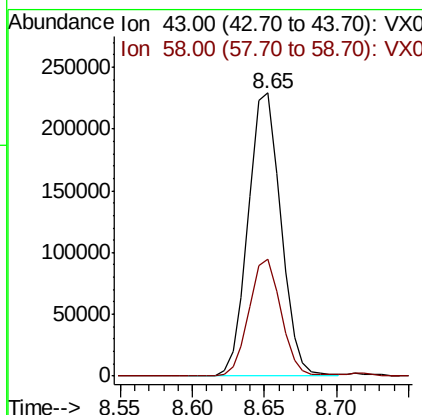
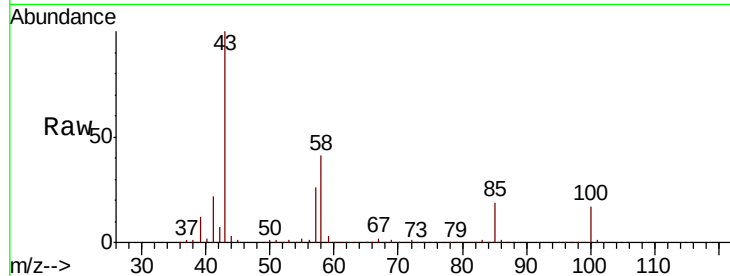
#51
4-Methyl-2-Pentanone
Concen: 79.615 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. -0.00 min
Lab File: VX004652.D
Acq: 18 Sep 2018 12:42

Instrument :
MSVOA_X
ClientSampleId :
VX0918MBSD01

Tgt Ion: 43 Resp: 360473
Ion Ratio Lower Upper
43 100
58 40.5 33.1 49.7

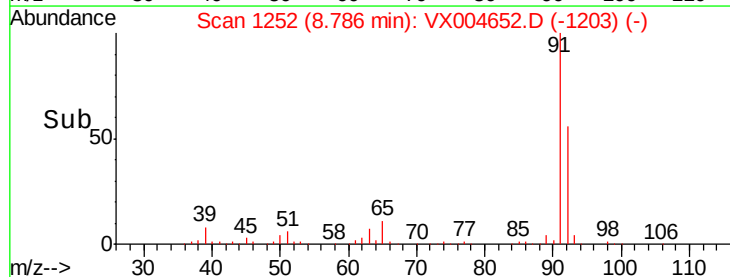
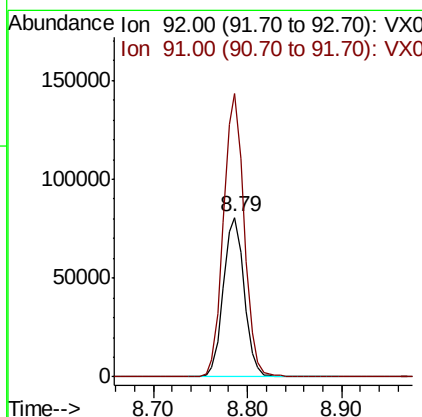
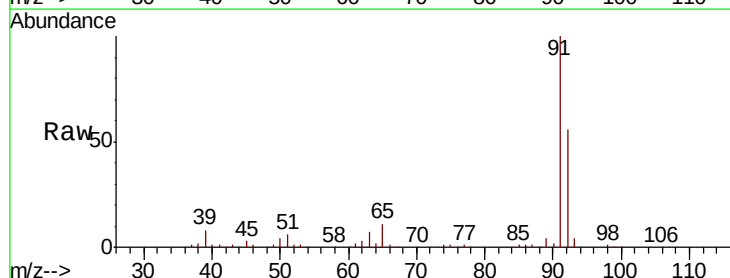
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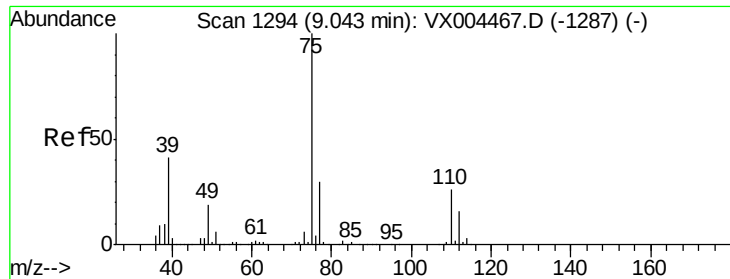
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#52
Toluene
Concen: 16.843 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX004652.D
Acq: 18 Sep 2018 12:42

Tgt Ion: 92 Resp: 125052
Ion Ratio Lower Upper
92 100
91 175.0 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 16.168 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX004652.D

Acq: 18 Sep 2018 12:42

Instrument :

MSVOA_X

ClientSampleId :

VX0918MBSD01

Tgt Ion: 75 Resp: 68420

Ion Ratio Lower Upper

75 100

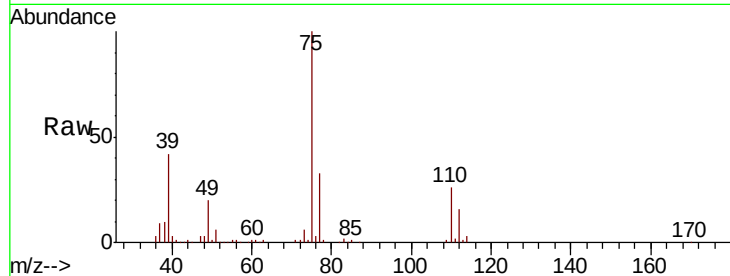
77 32.6 24.6 37.0

Manual Integrations

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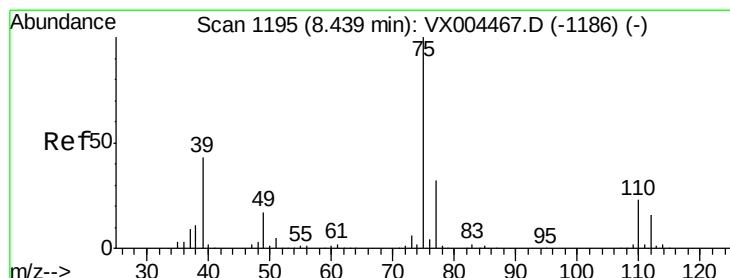
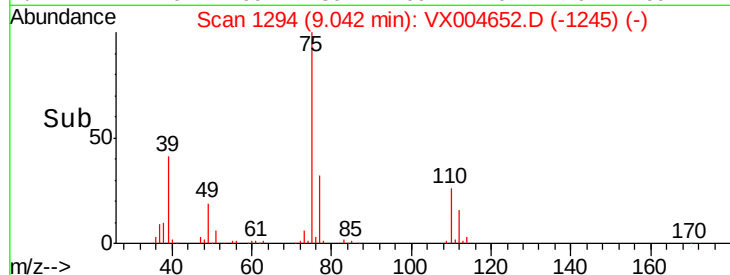
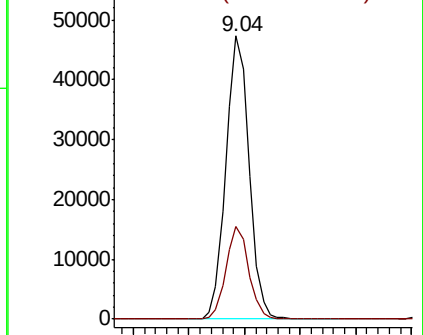
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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 17.788 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. -0.00 min

Lab File: VX004652.D

Acq: 18 Sep 2018 12:42

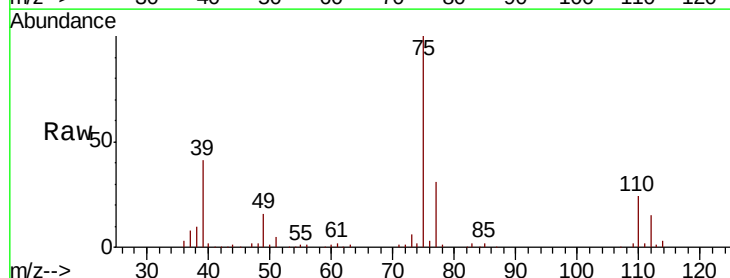
Tgt Ion: 75 Resp: 76733

Ion Ratio Lower Upper

75 100

77 31.1 26.2 39.2

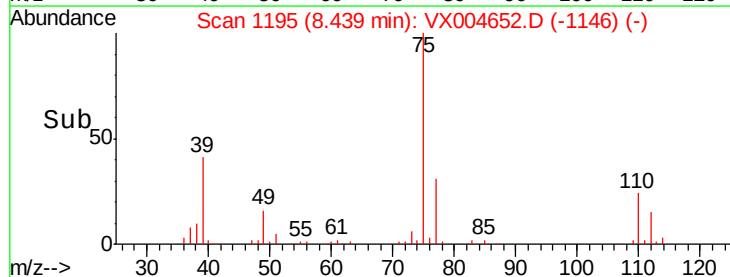
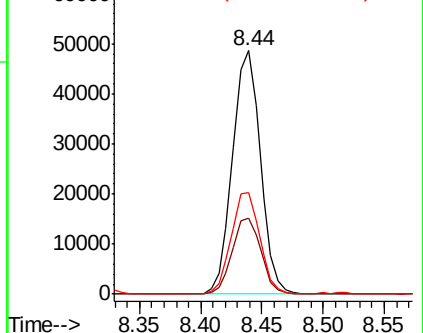
39 41.3 36.4 54.6

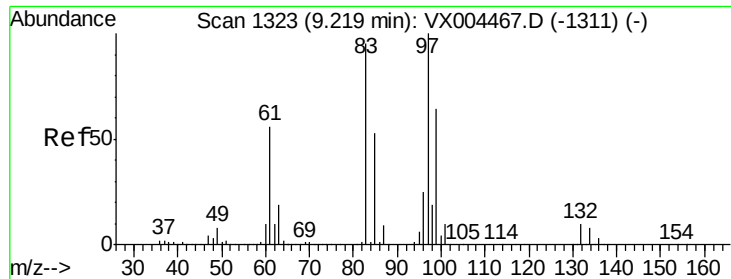


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





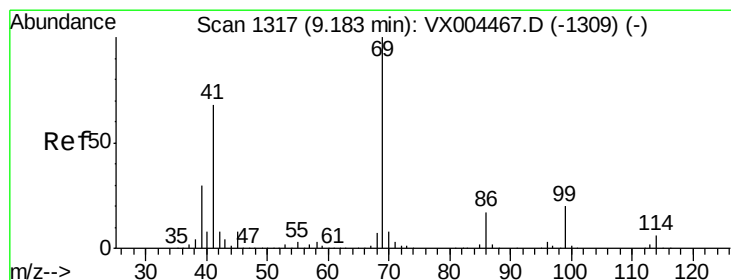
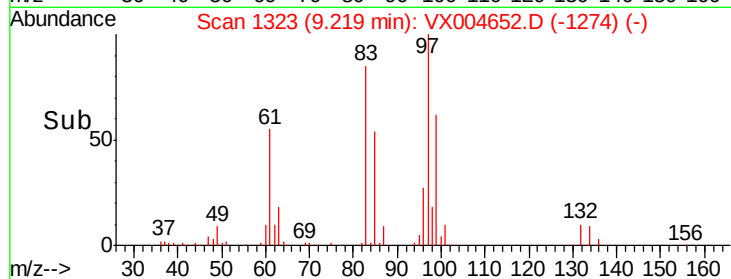
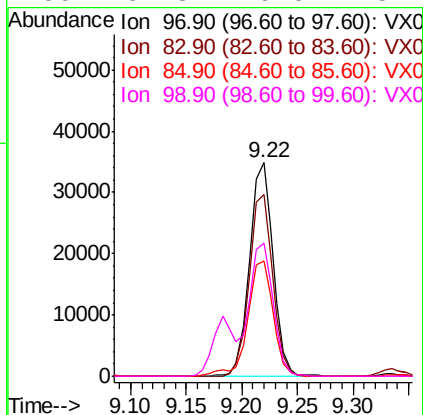
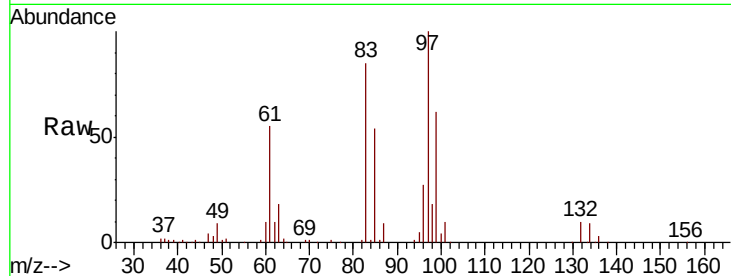
#55
 1,1,2-Trichloroethane
 Concen: 16.066 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VX004652.D
 Acq: 18 Sep 2018 12:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918MBSD01

Tgt Ion:	97	Resp:	51359
Ion	Ratio	Lower	Upper
97	100		
83	85.1	66.4	99.6
85	54.1	43.3	64.9
99	62.3	49.0	73.4

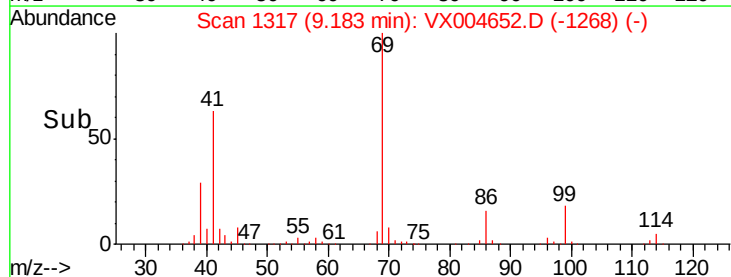
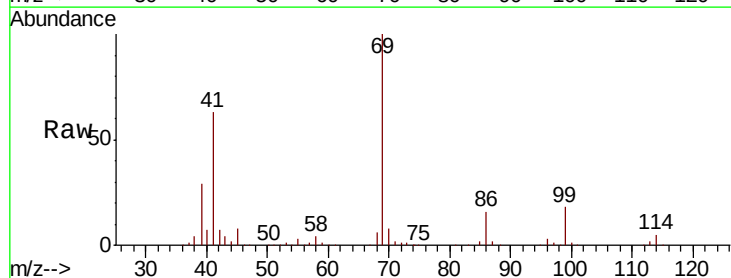
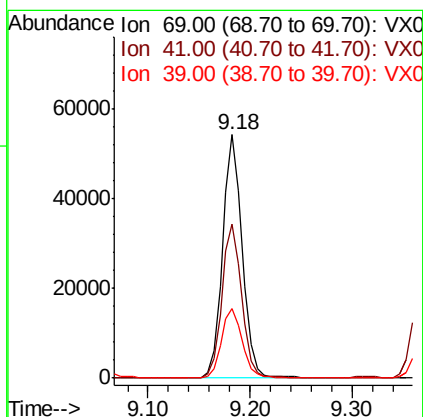
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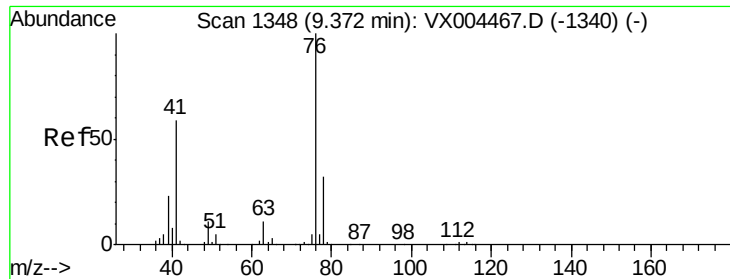
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#56
 Ethyl methacrylate
 Concen: 16.110 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX004652.D
 Acq: 18 Sep 2018 12:42

Tgt Ion:	69	Resp:	72860
Ion	Ratio	Lower	Upper
69	100		
41	64.2	51.0	76.4
39	30.6	26.1	39.1





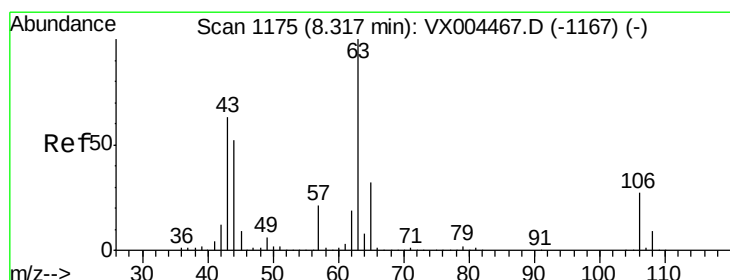
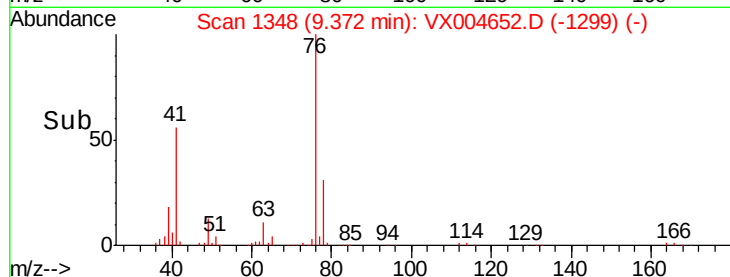
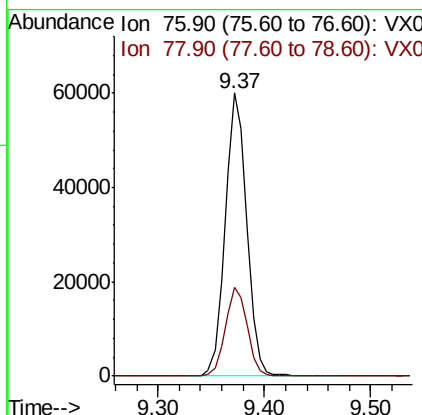
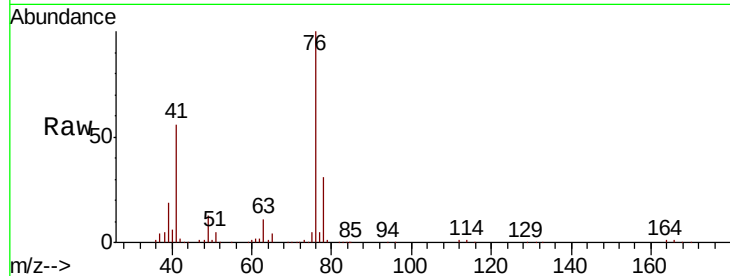
#57
 1,3-Dichloropropane
 Concen: 16.344 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX004652.D
 Acq: 18 Sep 2018 12:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918MBSD01

Tgt Ion: 76 Resp: 84896
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.5 38.3

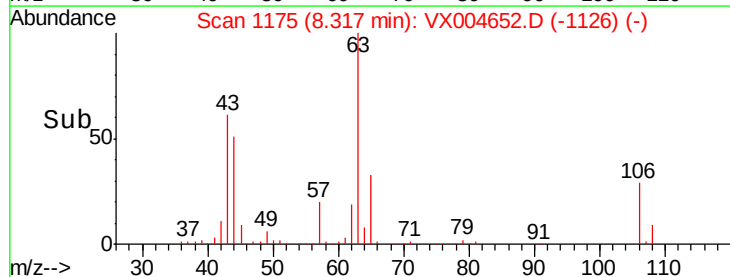
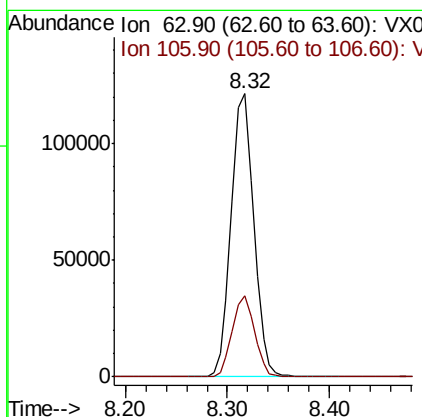
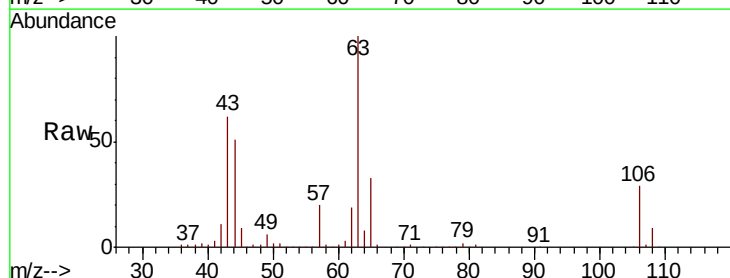
Manual Integrations
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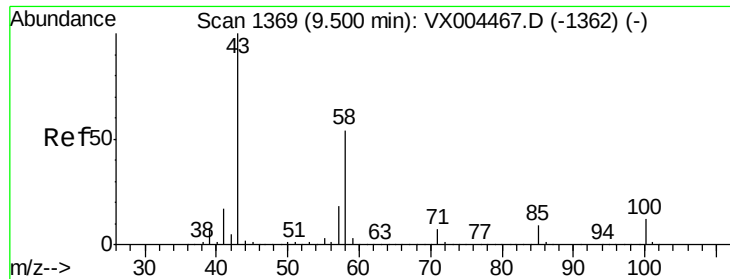
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 9/19/2018 12:51:10 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 85.970 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VX004652.D
 Acq: 18 Sep 2018 12:42

Tgt Ion: 63 Resp: 186768
 Ion Ratio Lower Upper
 63 100
 106 28.1 23.9 35.9





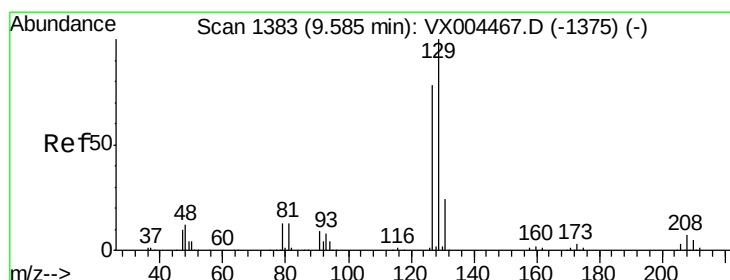
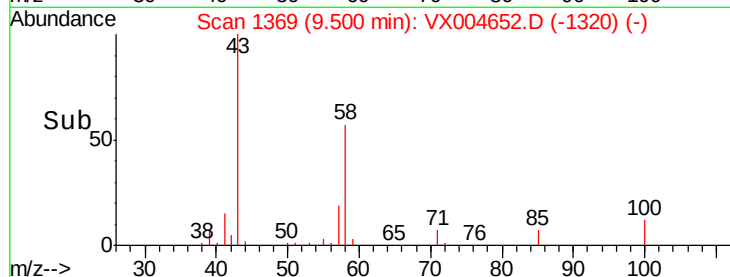
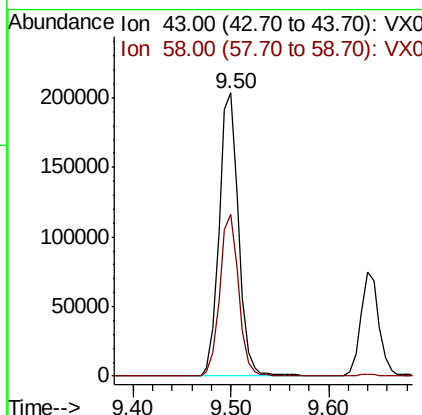
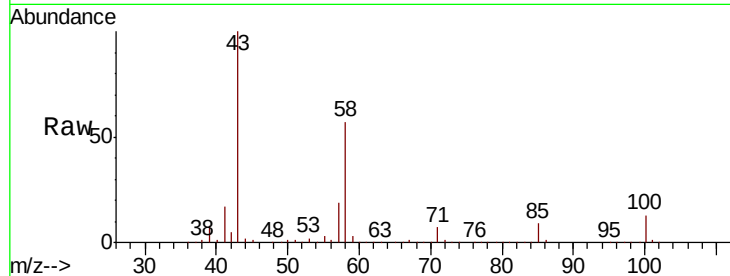
#59
2-Hexanone
Concen: 80.336 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX004652.D
Acq: 18 Sep 2018 12:42

Instrument :
MSVOA_X
ClientSampleId :
VX0918MBSD01

Tgt Ion: 43 Resp: 278999
Ion Ratio Lower Upper
43 100
58 55.9 29.0 87.0

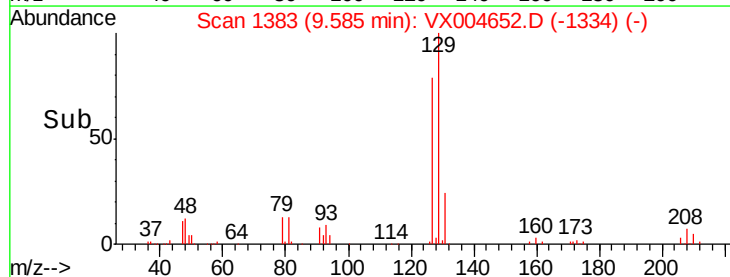
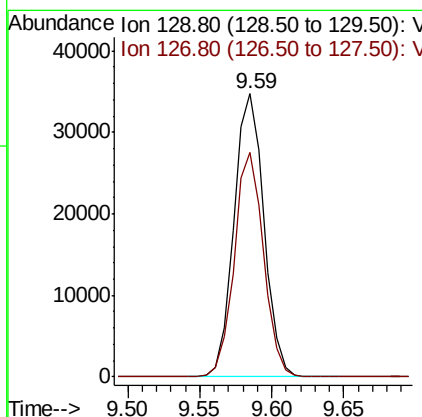
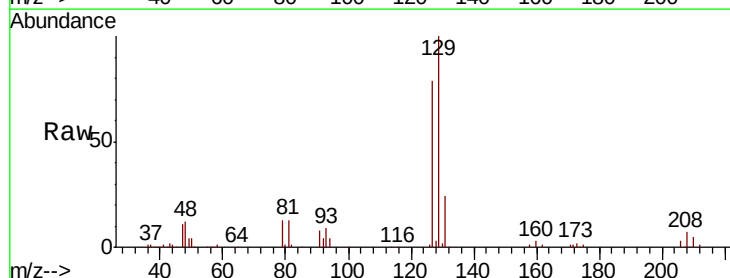
Manual Integrations
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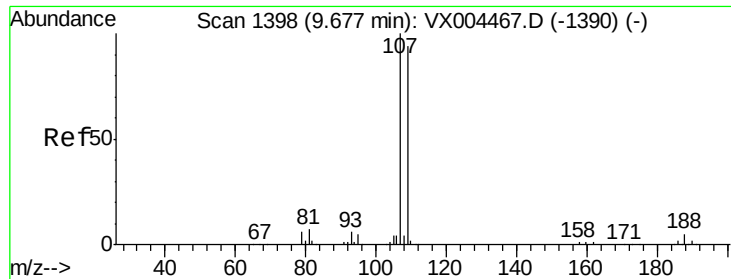
MMDadoda
9/19/2018 12:51:10 PM



#60
Dibromochloromethane
Concen: 16.756 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX004652.D
Acq: 18 Sep 2018 12:42

Tgt Ion: 129 Resp: 50431
Ion Ratio Lower Upper
129 100
127 77.3 38.5 115.5





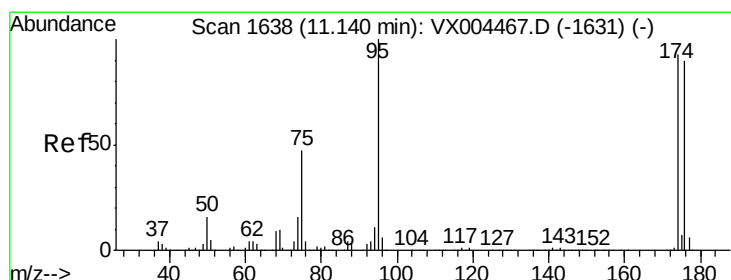
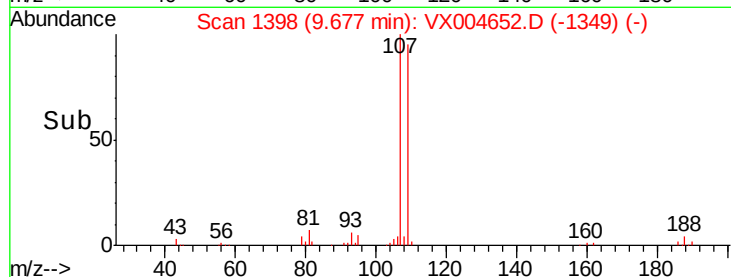
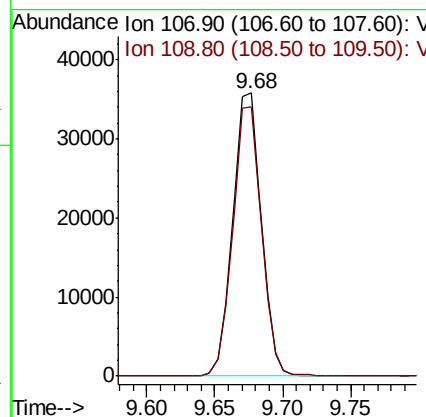
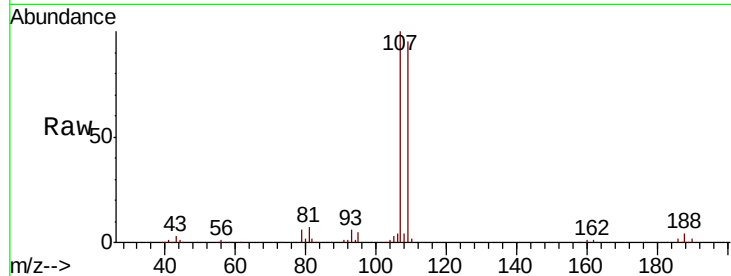
#61
 1,2-Dibromoethane
 Concen: 17.129 ug/l
 RT: 9.68 min Scan# 1398
 Delta R.T. -0.00 min
 Lab File: VX004652.D
 Acq: 18 Sep 2018 12:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918MBSD01

Tgt Ion: 107 Resp: 52311
 Ion Ratio Lower Upper
 107 100
 109 95.9 76.0 114.0

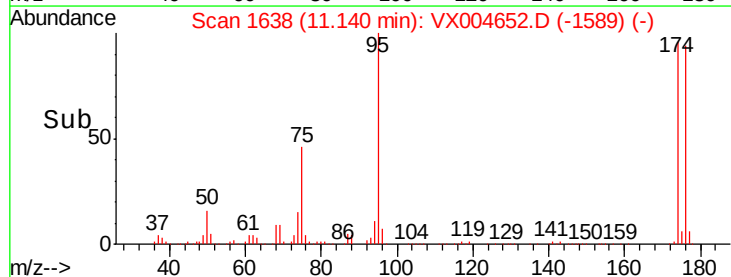
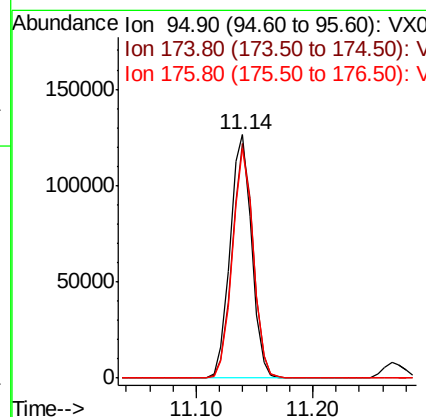
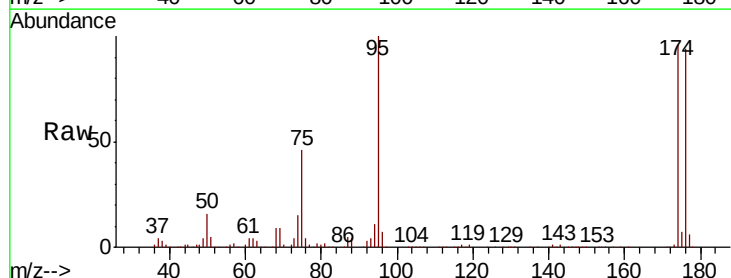
Manual Integrations
 APPROVED

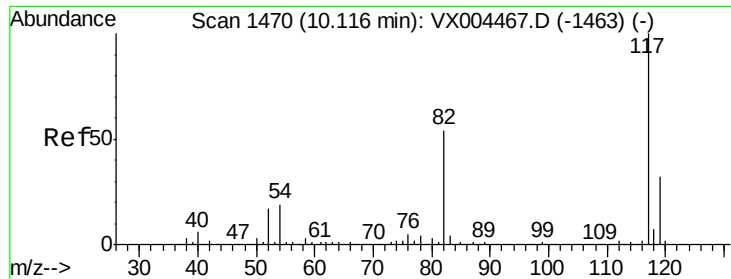
MMDadoda
 9/19/2018 12:51:10 PM



#62
 4-Bromofluorobenzene
 Concen: 42.127 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: VX004652.D
 Acq: 18 Sep 2018 12:42

Tgt Ion: 95 Resp: 161440
 Ion Ratio Lower Upper
 95 100
 174 94.0 0.0 185.2
 176 91.7 0.0 178.6





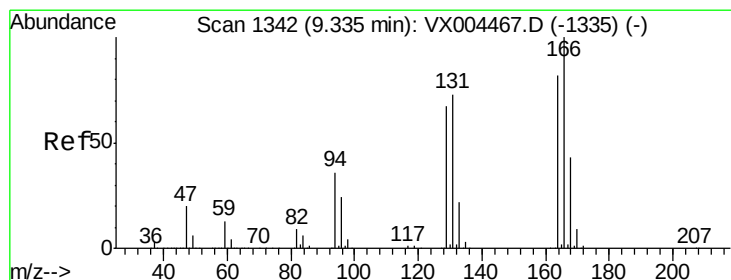
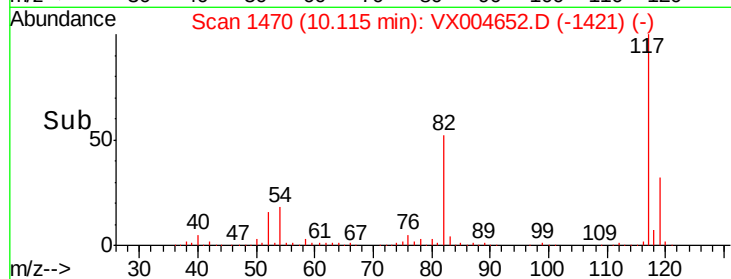
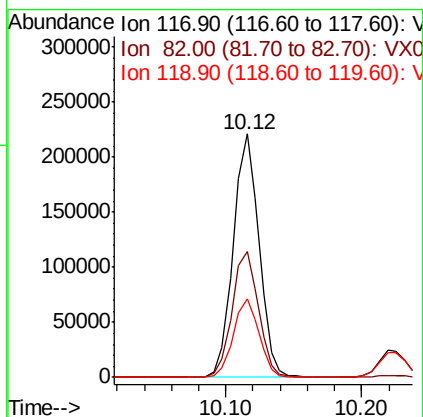
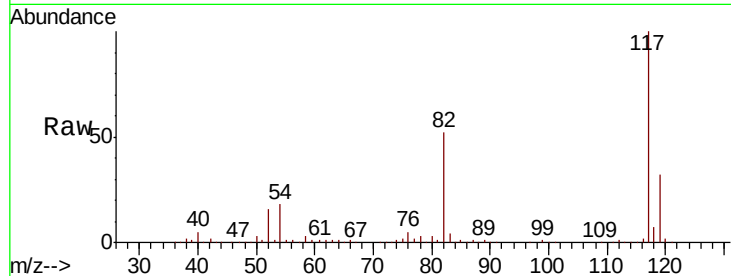
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004652.D
Acq: 18 Sep 2018 12:42

Instrument :
MSVOA_X
ClientSampleId :
VX0918MBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	291351		
82	51.6	47.8	71.6	
119	32.5	29.3	43.9	

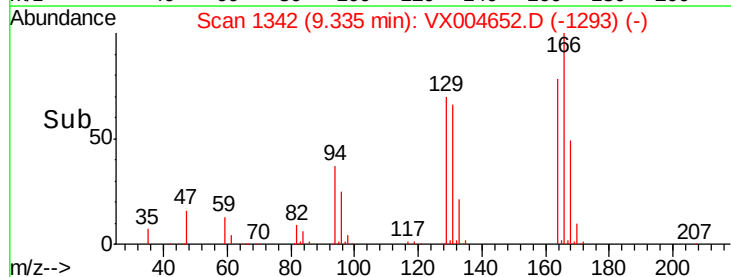
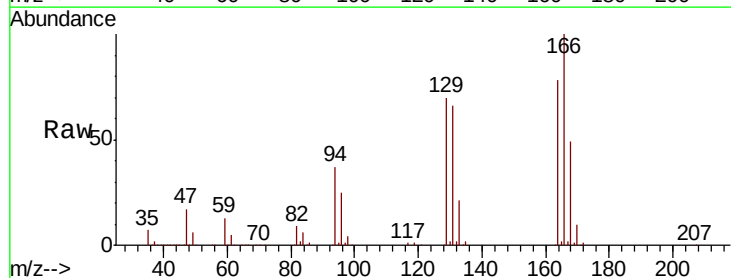
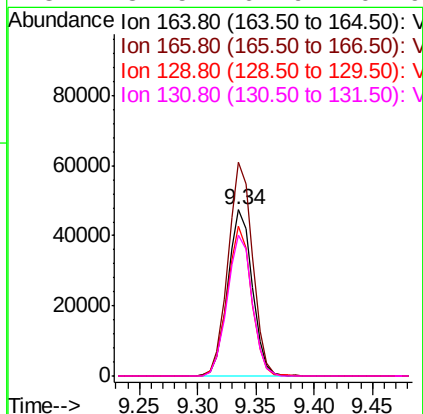
Manual Integrations
APPROVED

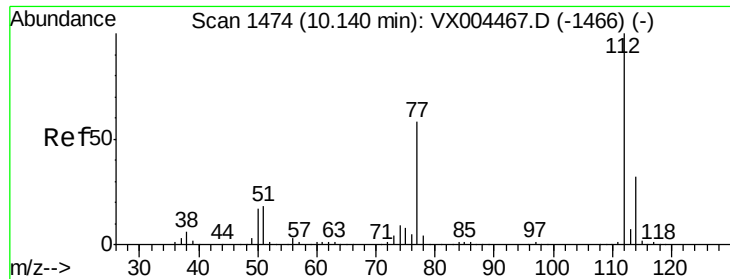
MMDadoda
9/19/2018 12:51:10 PM



#64
Tetrachloroethene
Concen: 19.124 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX004652.D
Acq: 18 Sep 2018 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	69565		
166	128.5	102.8	154.2	
129	90.4	69.4	104.0	
131	84.5	67.9	101.9	





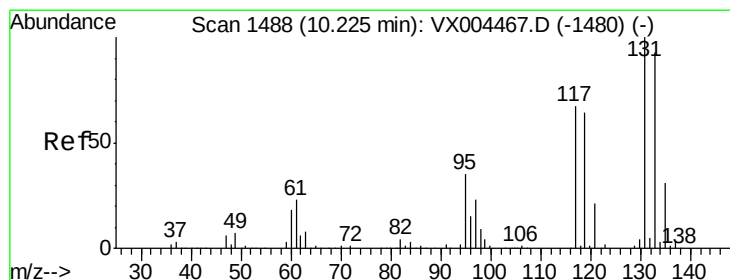
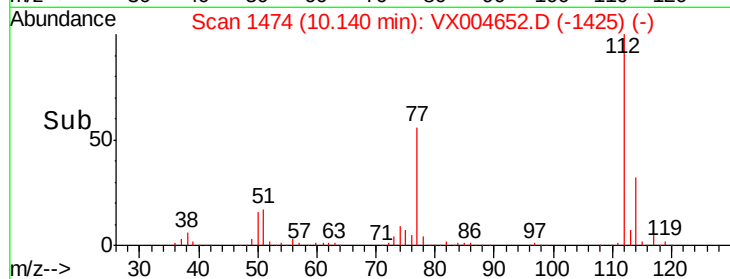
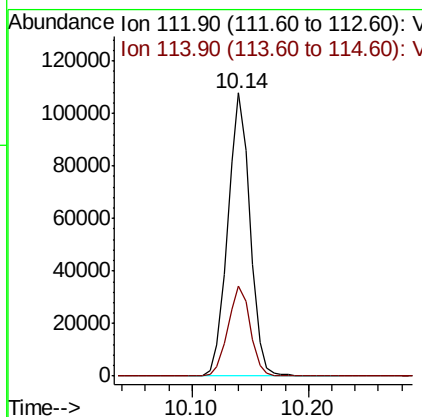
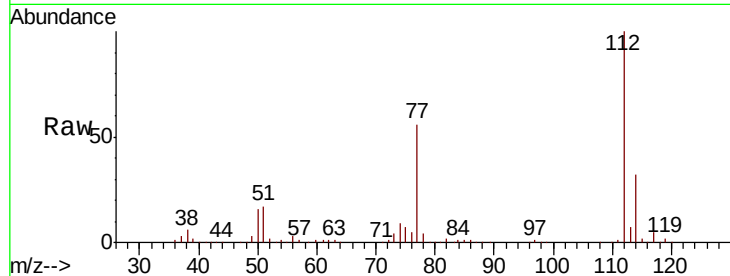
#65
Chlorobenzene
Concen: 19.726 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX004652.D
Acq: 18 Sep 2018 12:42

Instrument :
MSVOA_X
ClientSampleId :
VX0918MBSD01

Tgt Ion:112 Resp: 142756
Ion Ratio Lower Upper
112 100
114 31.7 27.8 41.8

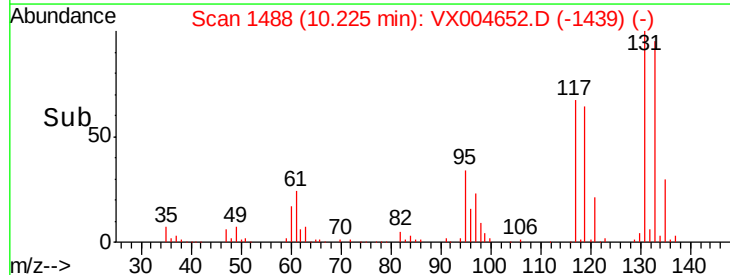
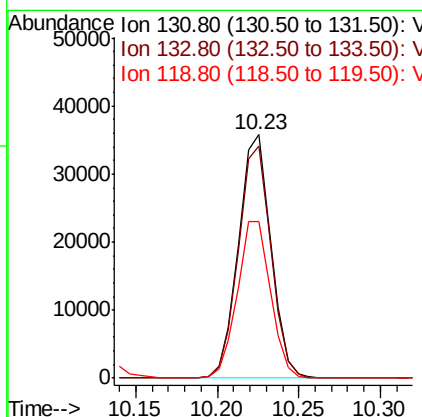
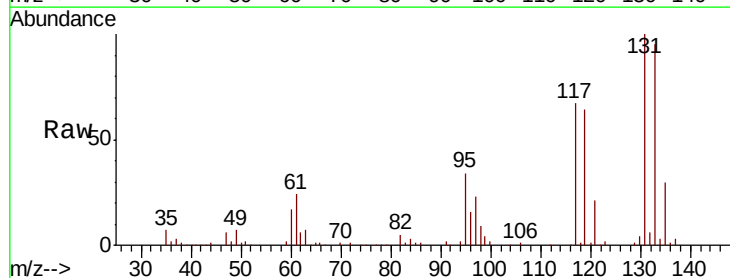
Manual Integrations
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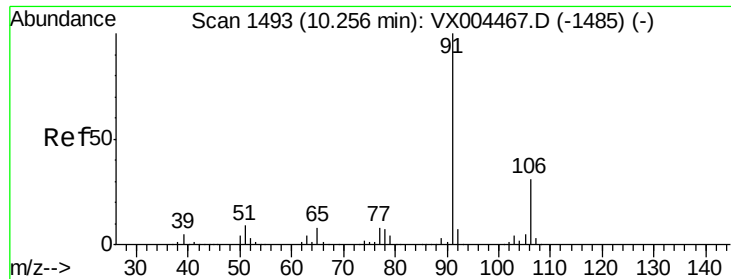
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.869 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VX004652.D
Acq: 18 Sep 2018 12:42

Tgt Ion:131 Resp: 49585
Ion Ratio Lower Upper
131 100
133 95.8 48.1 144.4
119 66.3 32.9 98.6





#67

Ethyl Benzene

Concen: 19.962 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VX004652.D

Acq: 18 Sep 2018 12:42

Instrument :

MSVOA_X

ClientSampleId :

VX0918MBSD01

Tgt Ion: 91 Resp: 234905

Ion Ratio Lower Upper

91 100

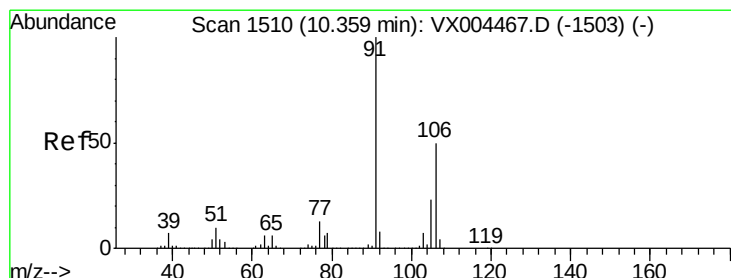
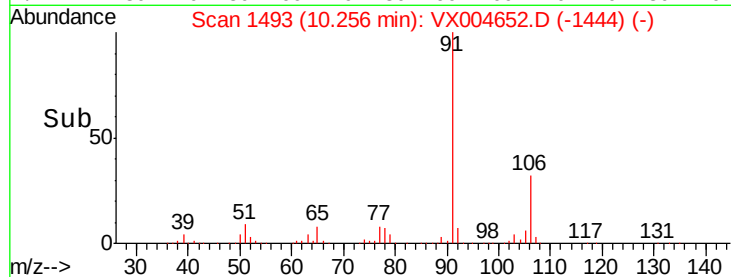
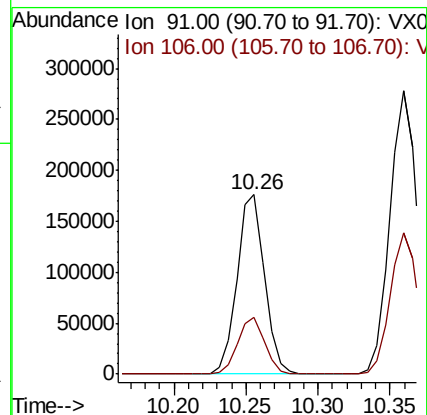
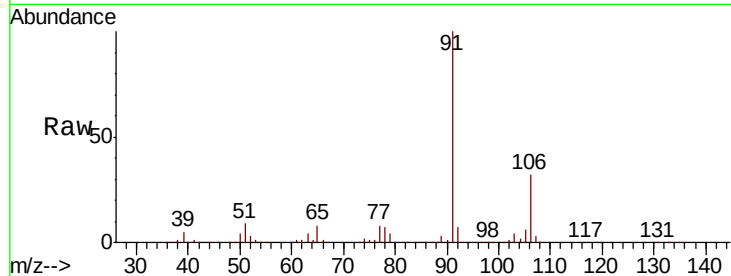
106 31.7 25.9 38.9

Manual Integrations

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#68

m/p-Xylenes

Concen: 40.575 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX004652.D

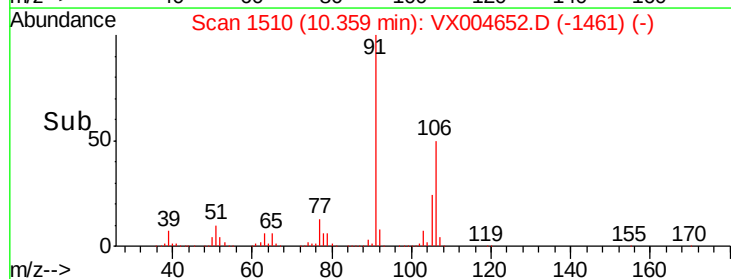
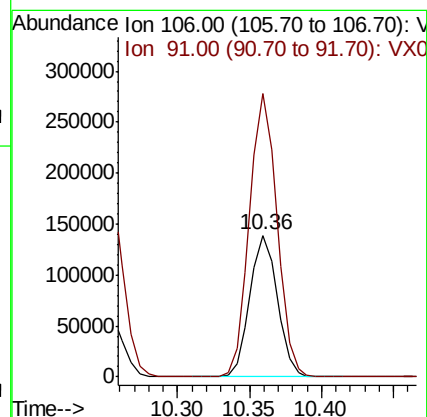
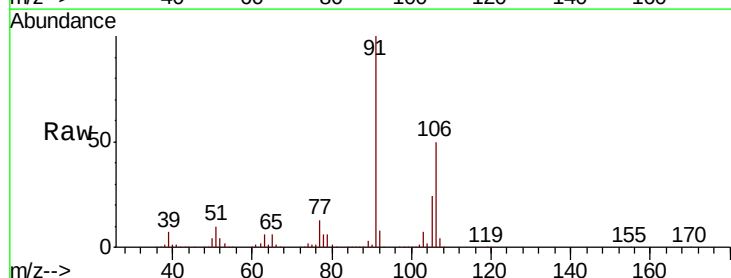
Acq: 18 Sep 2018 12:42

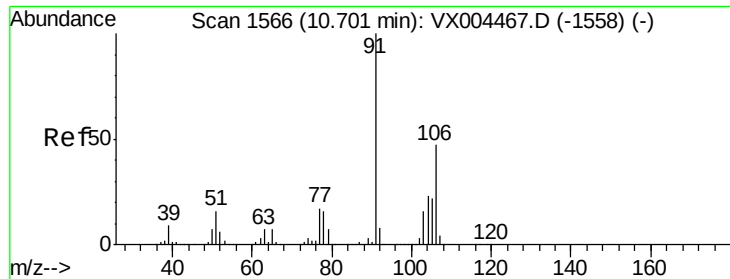
Tgt Ion: 106 Resp: 183922

Ion Ratio Lower Upper

106 100

91 200.5 157.1 235.7





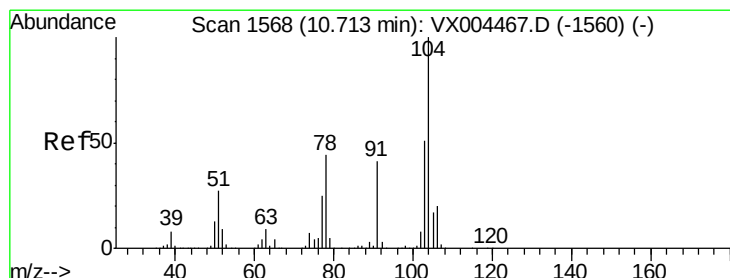
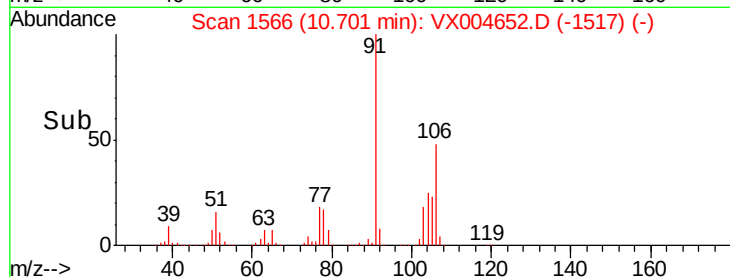
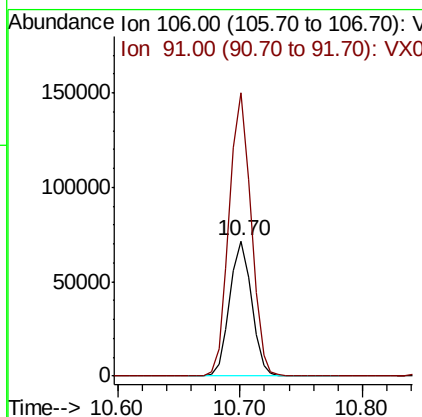
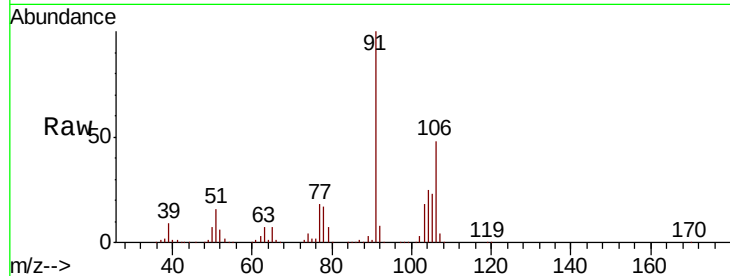
#69
o-Xylene
Concen: 20.339 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004652.D
Acq: 18 Sep 2018 12:42

Instrument :
MSVOA_X
ClientSampleId :
VX0918MBSD01

Tgt Ion:106 Resp: 88632
Ion Ratio Lower Upper
106 100
91 210.7 105.1 315.1

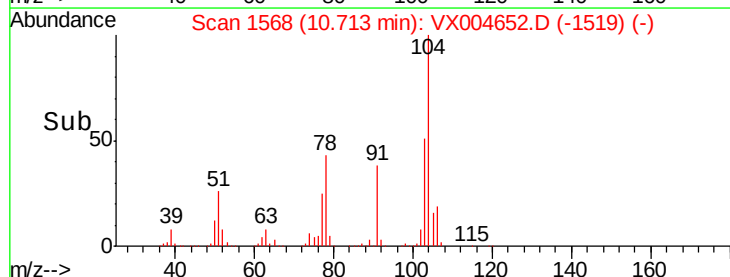
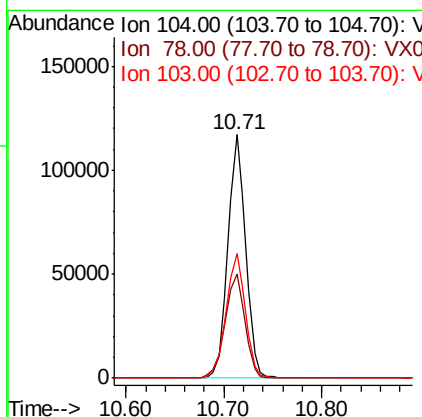
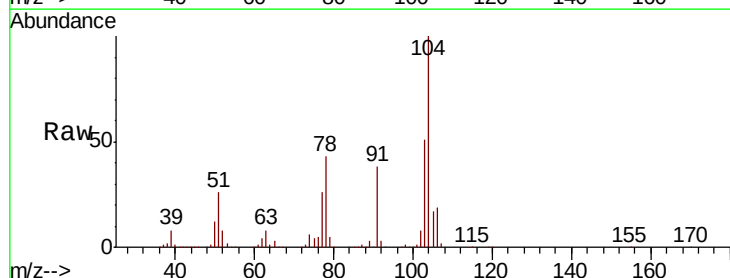
Manual Integrations
APPROVED

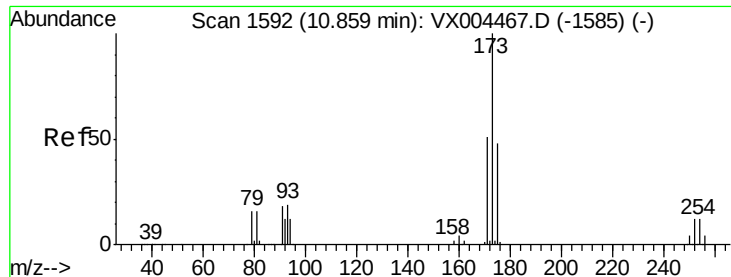
MMDadoda
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#70
Styrene
Concen: 20.473 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX004652.D
Acq: 18 Sep 2018 12:42

Tgt Ion:104 Resp: 147808
Ion Ratio Lower Upper
104 100
78 48.1 37.4 56.0
103 55.8 43.8 65.6





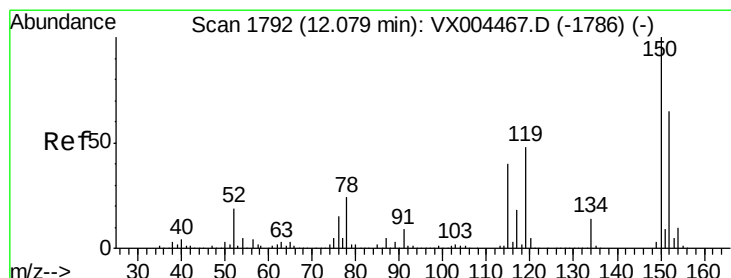
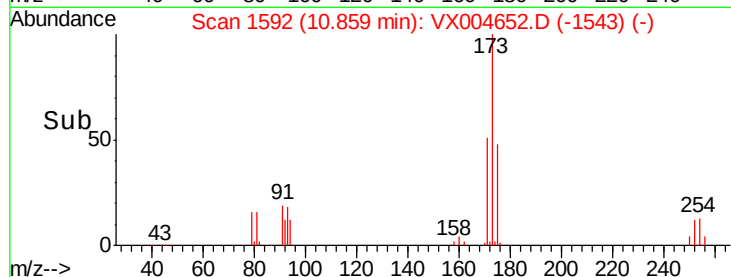
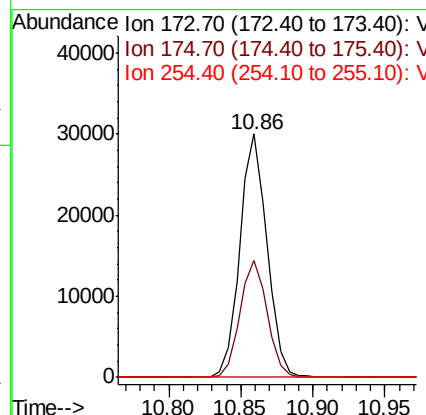
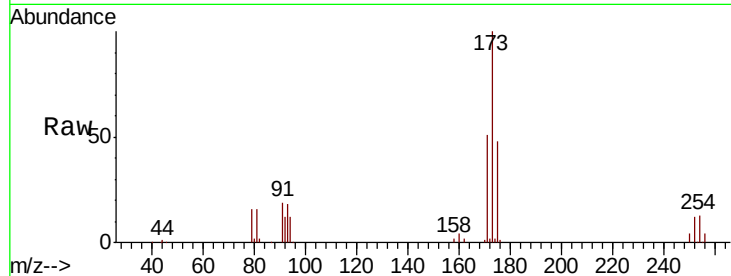
#71
Bromoform
Concen: 19.182 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VX004652.D
Acq: 18 Sep 2018 12:42

Instrument :
MSVOA_X
ClientSampleId :
VX0918MBSD01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.1	72.3
254	0.2	0.2	0.2

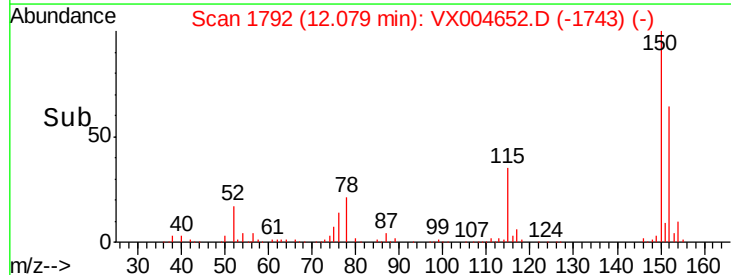
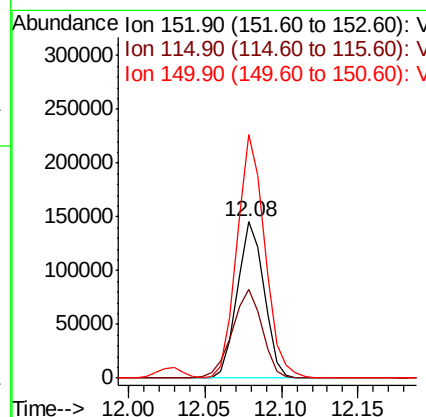
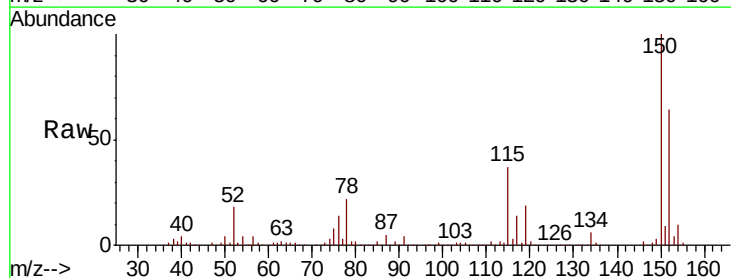
Manual Integrations
APPROVED

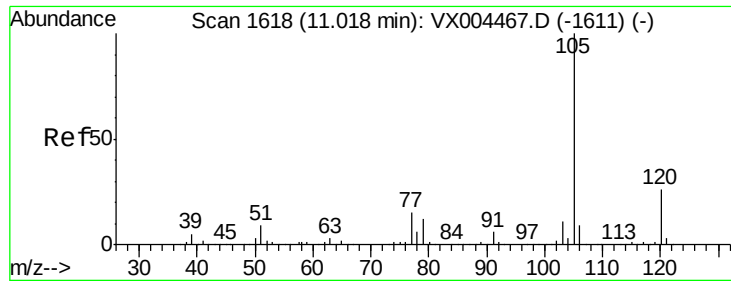
MMDadoda
9/19/2018 12:51:10 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004652.D
Acq: 18 Sep 2018 12:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.5	39.0	117.0
150	162.3	0.0	351.0





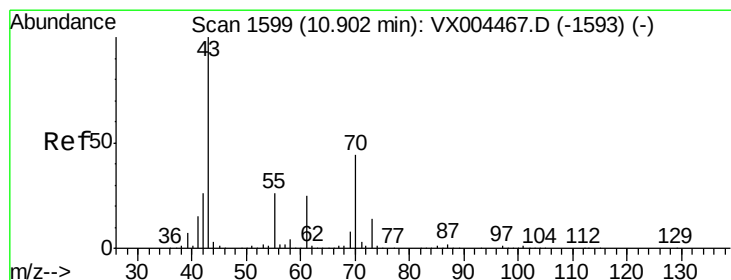
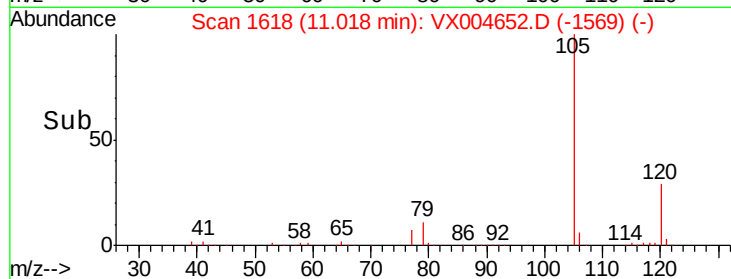
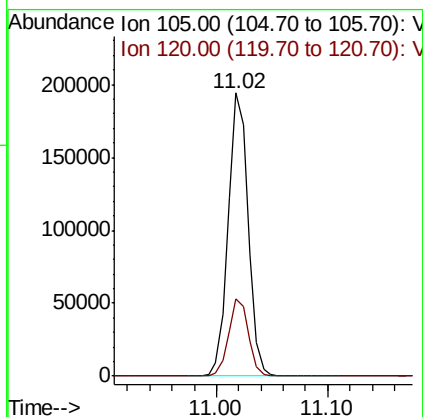
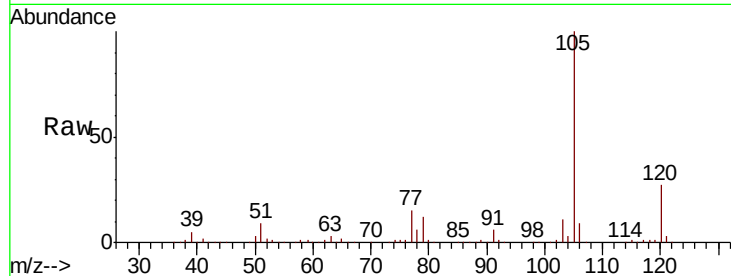
#73
Isopropylbenzene
Concen: 20.683 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX004652.D
Acq: 18 Sep 2018 12:42

Instrument :
MSVOA_X
ClientSampleId :
VX0918MBSD01

Tgt Ion: 105 Resp: 240083
Ion Ratio Lower Upper
105 100
120 27.0 13.5 40.4

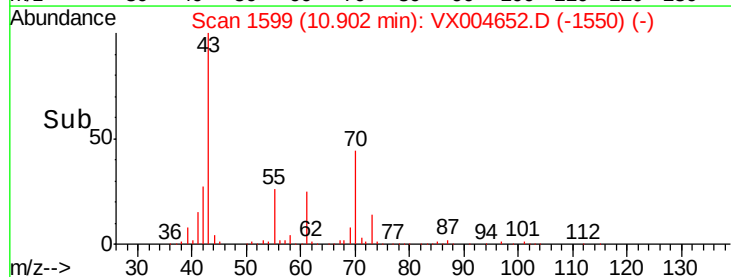
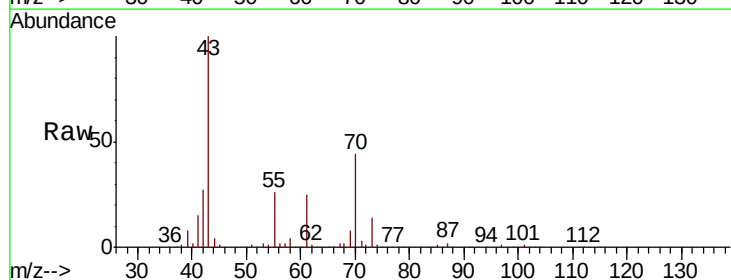
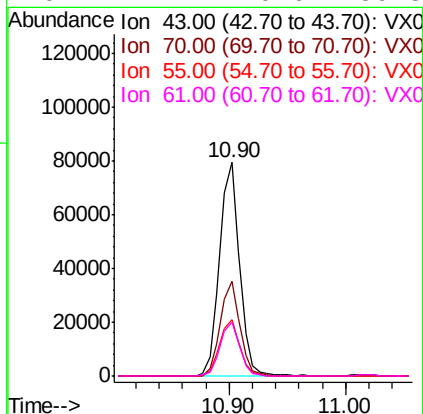
Manual Integrations
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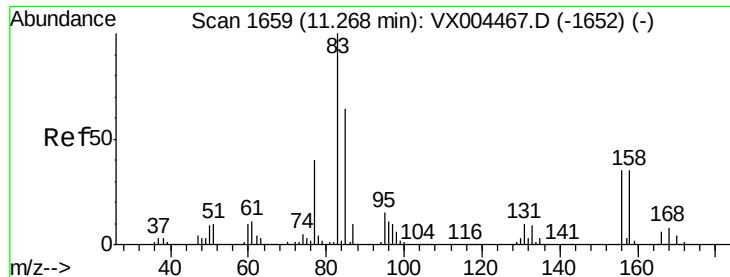
MMDadoda
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#74
N-ethyl acetate
Concen: 19.238 ug/l
RT: 10.90 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VX004652.D
Acq: 18 Sep 2018 12:42

Tgt Ion: 43 Resp: 93991
Ion Ratio Lower Upper
43 100
70 43.4 37.4 56.0
55 26.9 21.8 32.8
61 24.7 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 18.618 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX004652.D

Acq: 18 Sep 2018 12:42

Instrument :

MSVOA_X

ClientSampleId :

VX0918MBSD01

Tgt Ion: 83 Resp: 69706

Ion Ratio Lower Upper

83 100

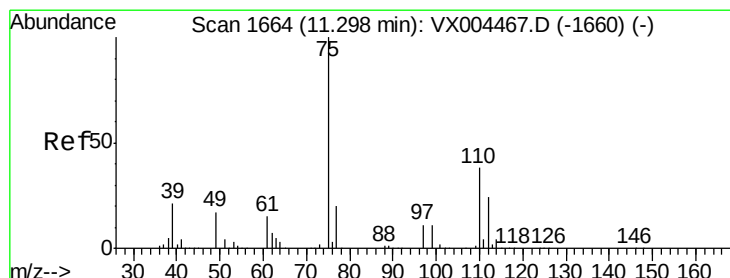
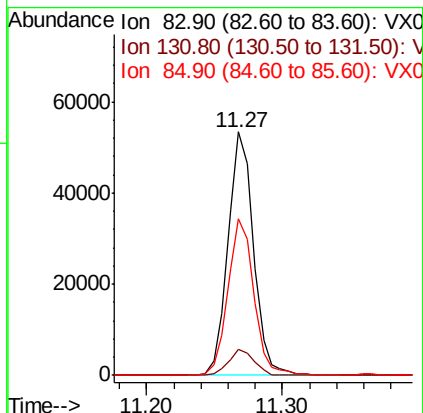
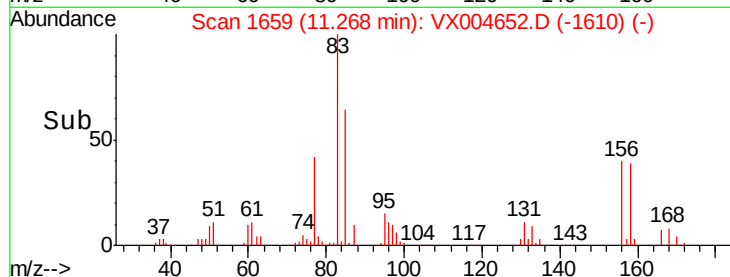
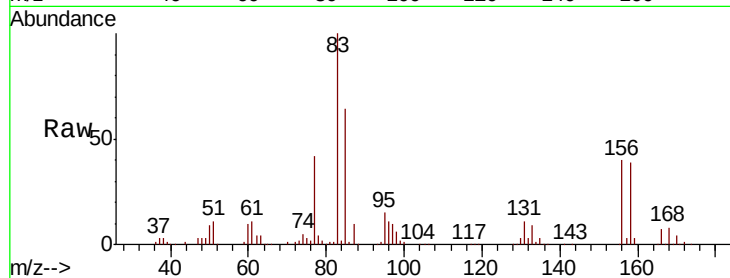
131 10.7 5.2 15.6

85 65.2 32.3 96.8

Manual Integrations
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MMDadoda

9/19/2018 12:51:10 PM



#76

1,2,3-Trichloropropane

Concen: 19.642 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX004652.D

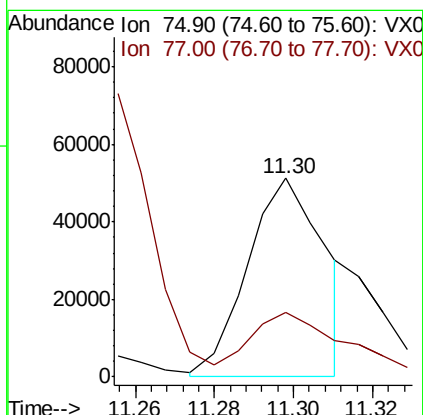
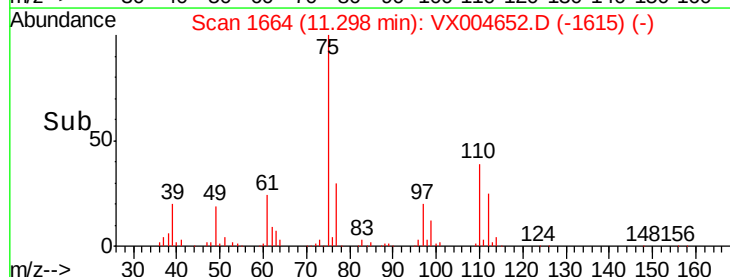
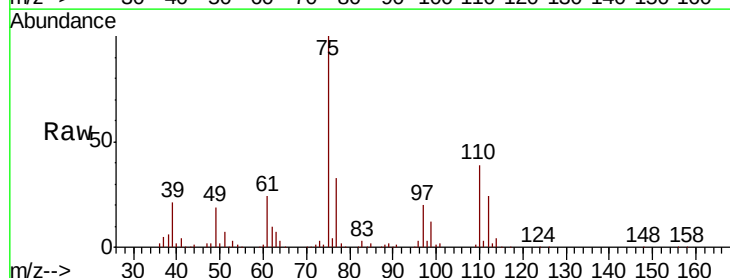
Acq: 18 Sep 2018 12:42

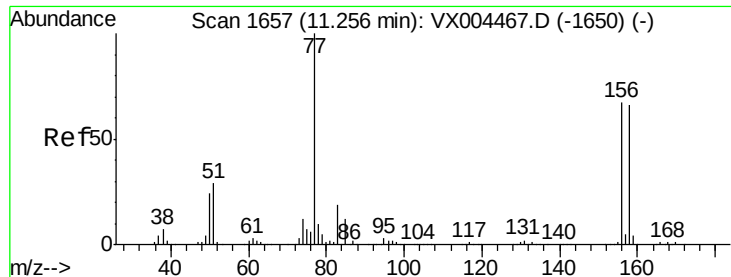
Tgt Ion: 75 Resp: 69649

Ion Ratio Lower Upper

75 100

77 40.5 20.2 60.6





#77

Bromobenzene

Concen: 20.339 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX004652.D

Acq: 18 Sep 2018 12:42

Instrument :

MSVOA_X

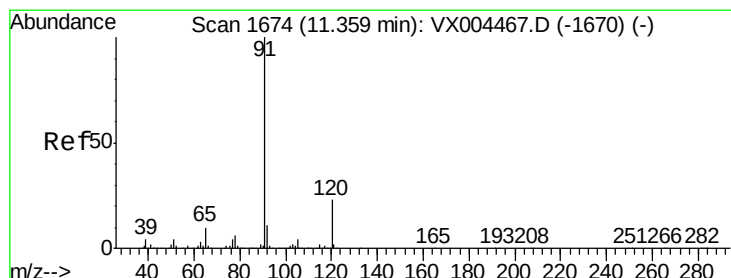
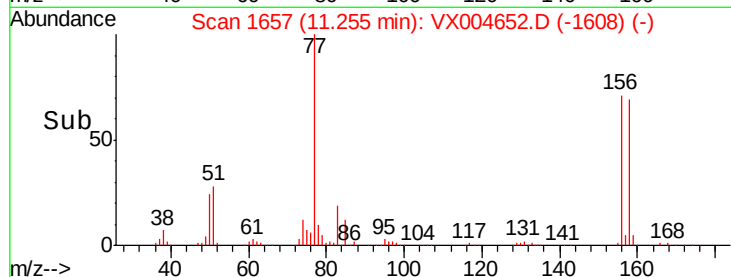
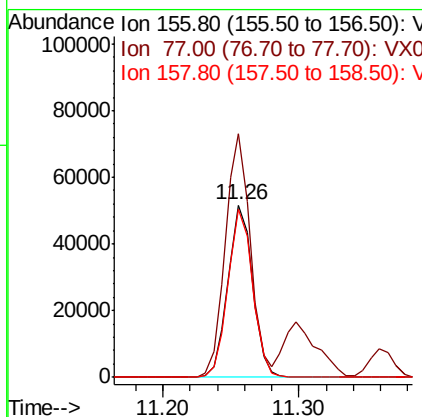
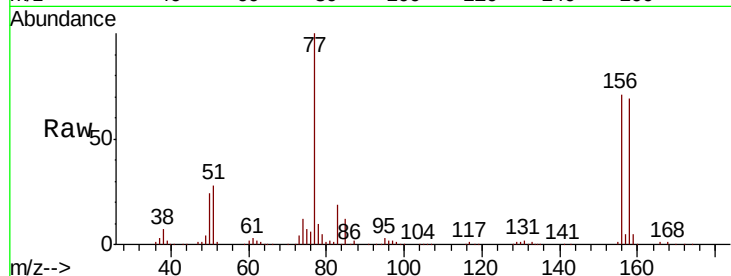
ClientSampleId :

VX0918MBSD01

Tgt Ion:	156	Resp:	65253
Ion Ratio	Lower	Upper	
156	100		
77	142.5	71.5	214.3
158	97.6	48.9	146.8

Manual Integrations
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#78

n-propylbenzene

Concen: 20.614 ug/l

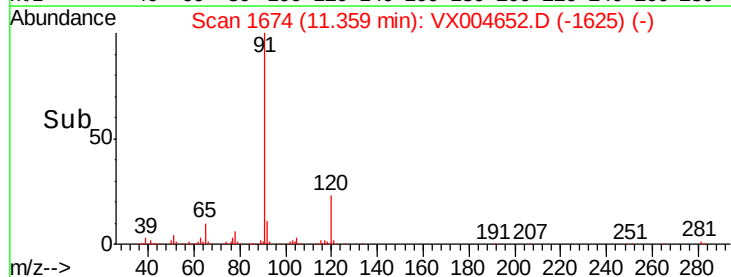
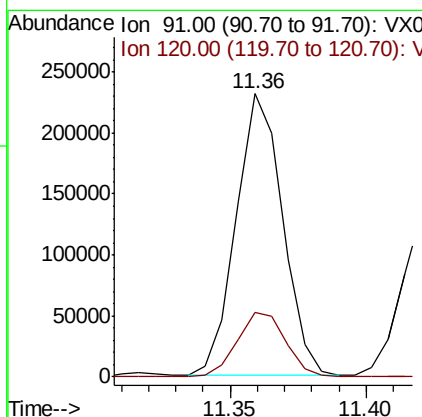
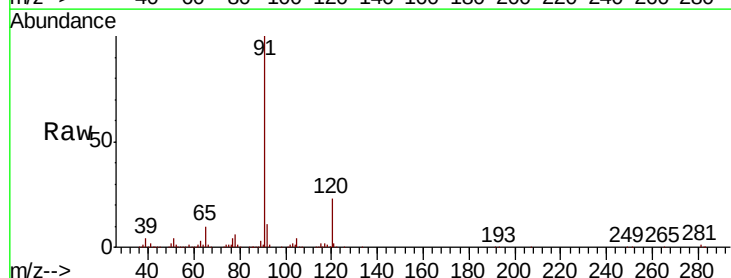
RT: 11.36 min Scan# 1674

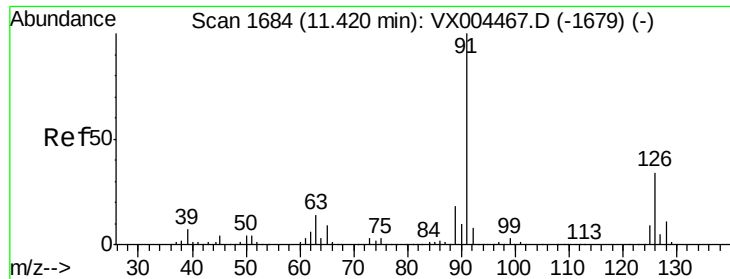
Delta R.T. -0.00 min

Lab File: VX004652.D

Acq: 18 Sep 2018 12:42

Tgt Ion:	91	Resp:	275119
Ion Ratio	Lower	Upper	
91	100		
120	23.8	11.9	35.9





#79

2-Chlorotoluene

Concen: 20.152 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX004652.D

Acq: 18 Sep 2018 12:42

Instrument :

MSVOA_X

ClientSampleId :

VX0918MBSD01

Tgt Ion: 91 Resp: 163122

Ion Ratio Lower Upper

91 100

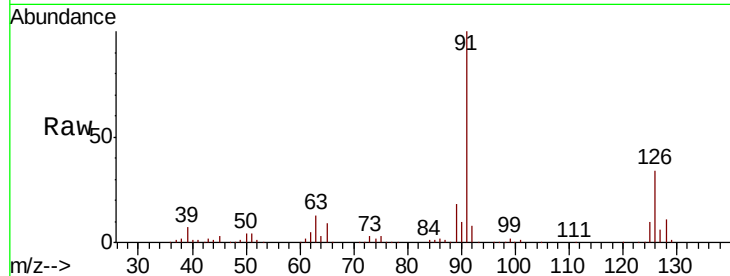
126 35.7 17.9 53.7

Manual Integrations

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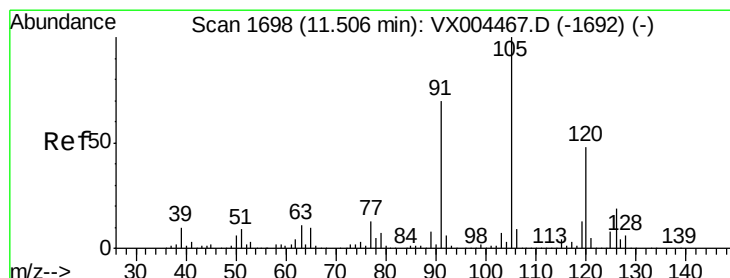
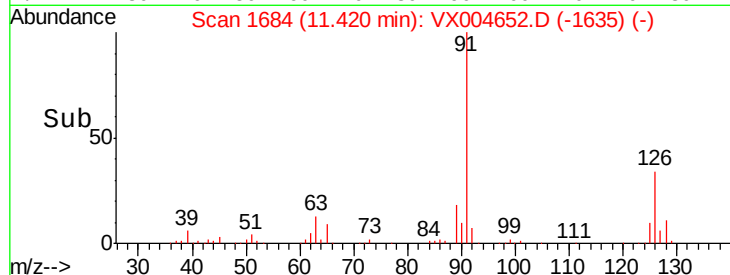
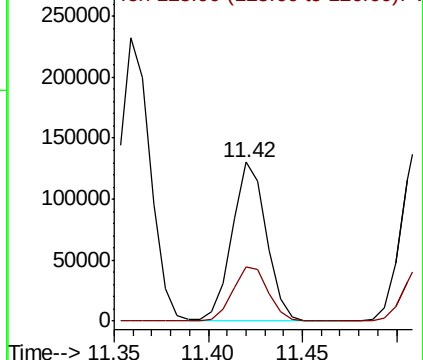
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.814 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX004652.D

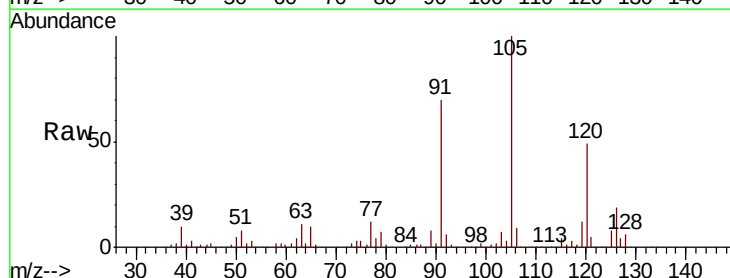
Acq: 18 Sep 2018 12:42

Tgt Ion: 105 Resp: 203100

Ion Ratio Lower Upper

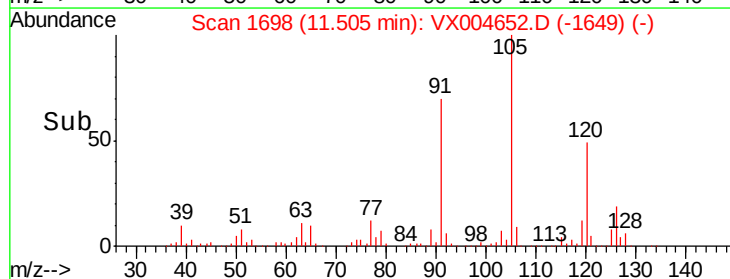
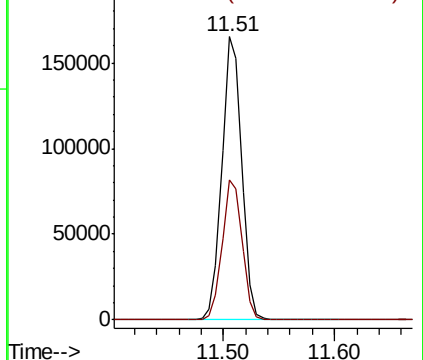
105 100

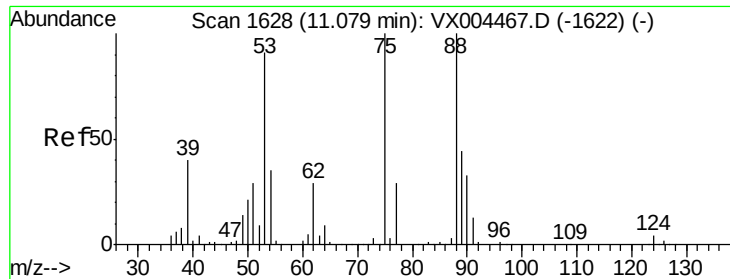
120 49.9 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 19.367 ug/l

RT: 11.08 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VX004652.D

Acq: 18 Sep 2018 12:42

Instrument :

MSVOA_X

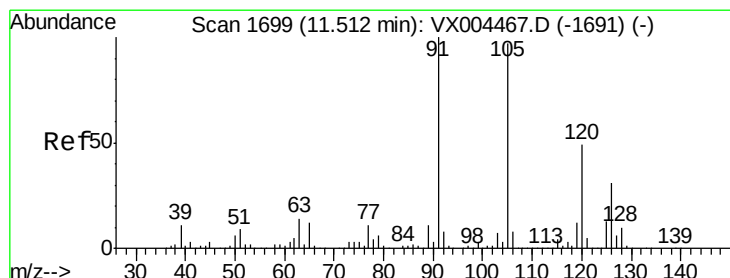
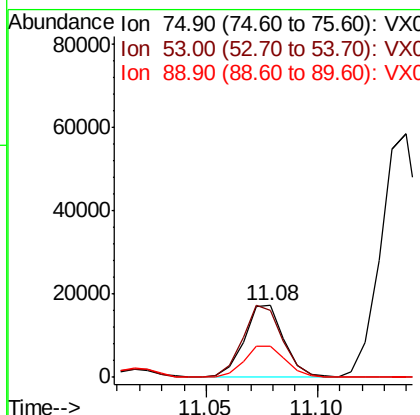
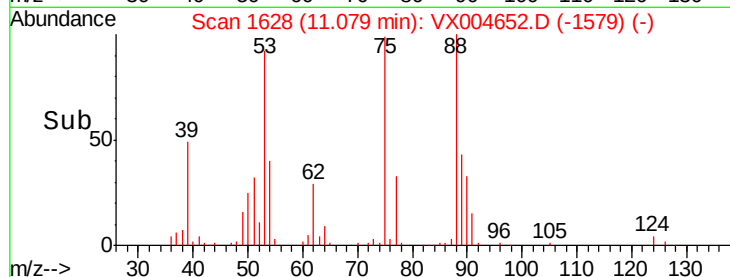
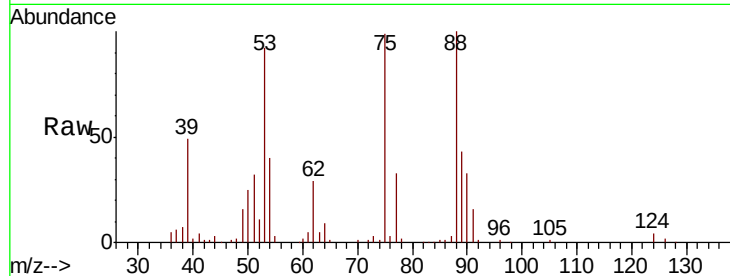
ClientSampleId :

VX0918MBSD01

Tgt Ion:	75	Resp:	21545
Ion	Ratio	Lower	Upper
75	100		
53	98.5	80.1	120.1
89	45.6	37.2	55.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.032 ug/l

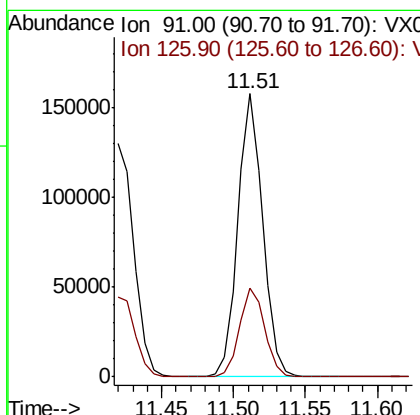
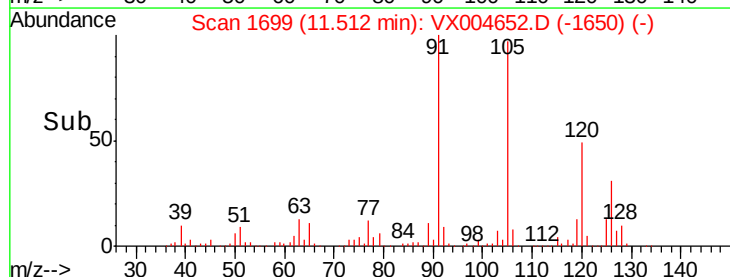
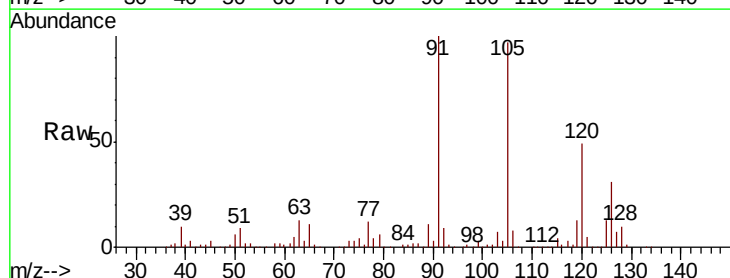
RT: 11.51 min Scan# 1699

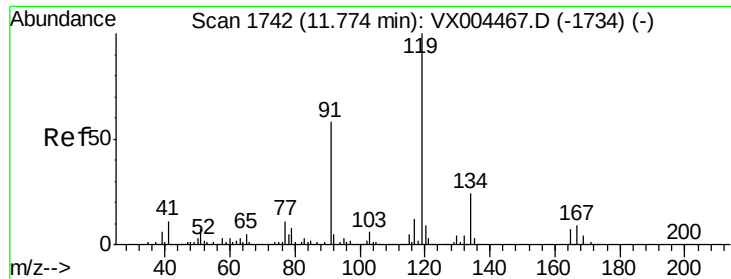
Delta R.T. -0.00 min

Lab File: VX004652.D

Acq: 18 Sep 2018 12:42

Tgt Ion:	91	Resp:	189244
Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.5	46.5





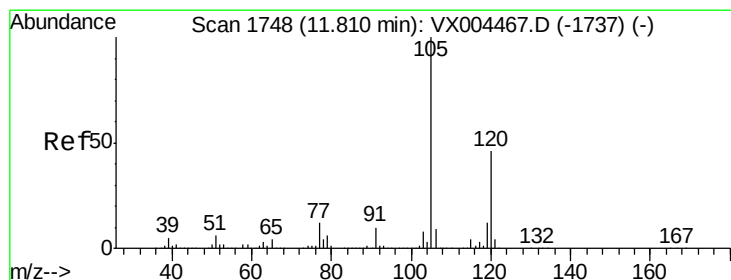
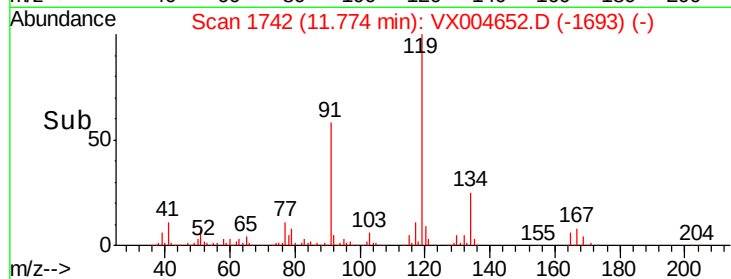
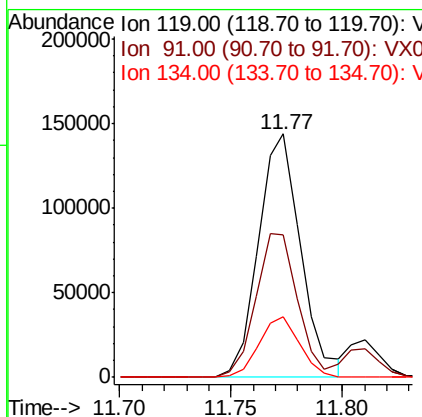
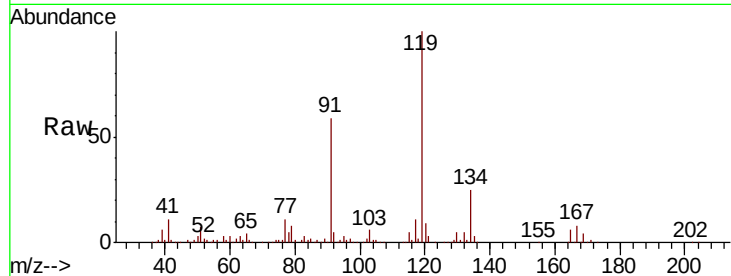
#83
 tert-Butylbenzene
 Concen: 20.459 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX004652.D
 Acq: 18 Sep 2018 12:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918MBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	190059		
91	58.3	27.0	81.0	
134	24.0	11.7	35.1	

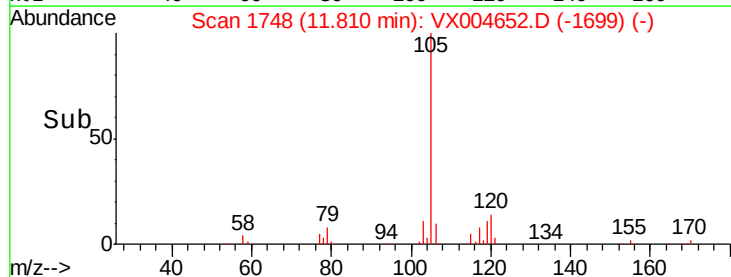
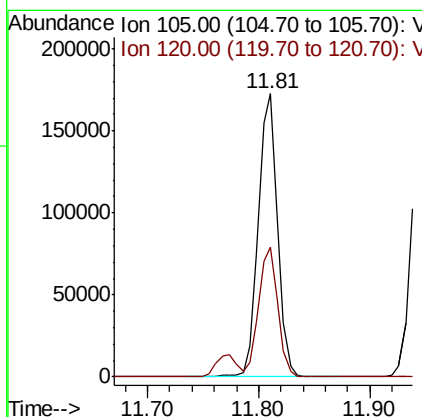
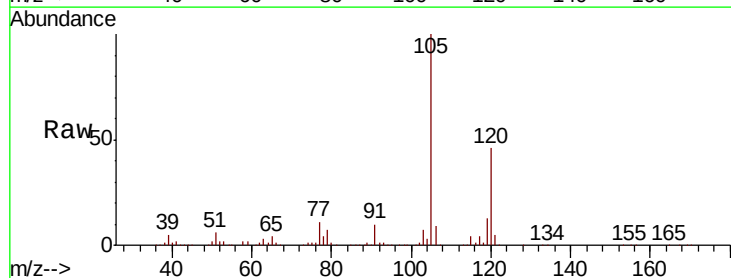
Manual Integrations
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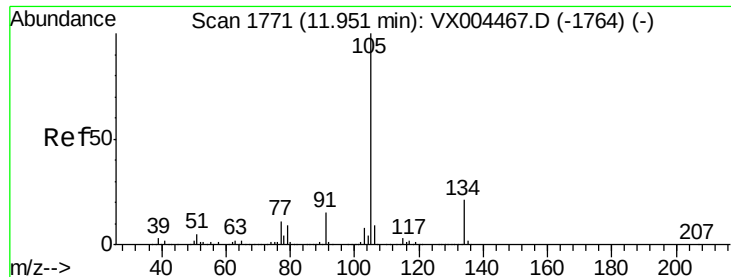
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.963 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX004652.D
 Acq: 18 Sep 2018 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	208846		
120	45.8	23.2	69.6	





#85

sec-Butylbenzene

Concen: 20.688 ug/l

RT: 11.95 min Scan# 1771

Delta R.T. -0.00 min

Lab File: VX004652.D

Acq: 18 Sep 2018 12:42

Instrument :

MSVOA_X

ClientSampleId :

VX0918MBSD01

Tgt Ion:105 Resp: 244908

Ion Ratio Lower Upper

105 100

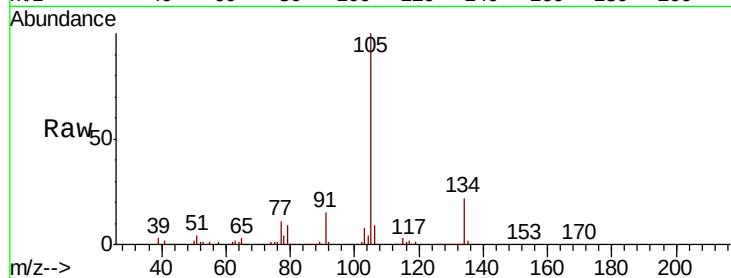
134 20.9 10.5 31.5

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.95

200000

150000

100000

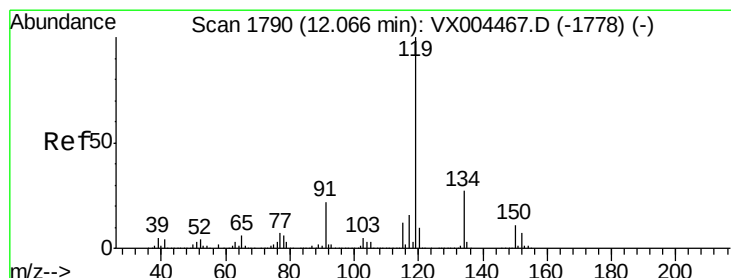
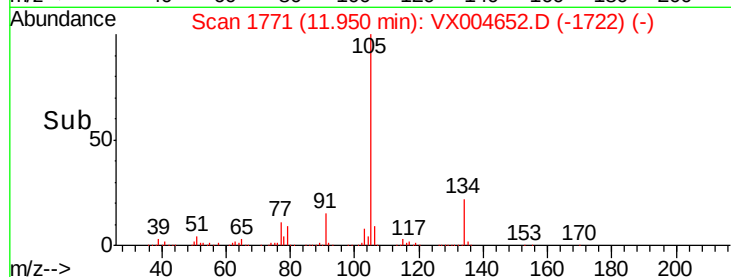
50000

0

Time-->

11.90

12.00



#86

p-Isopropyltoluene

Concen: 21.052 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX004652.D

Acq: 18 Sep 2018 12:42

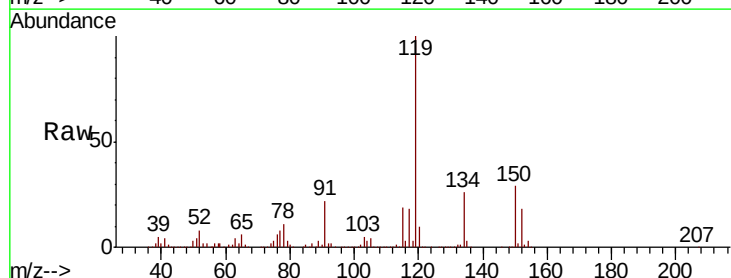
Tgt Ion:119 Resp: 220074

Ion Ratio Lower Upper

119 100

134 26.3 13.4 40.2

91 21.9 10.9 32.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

250000

200000

150000

100000

50000

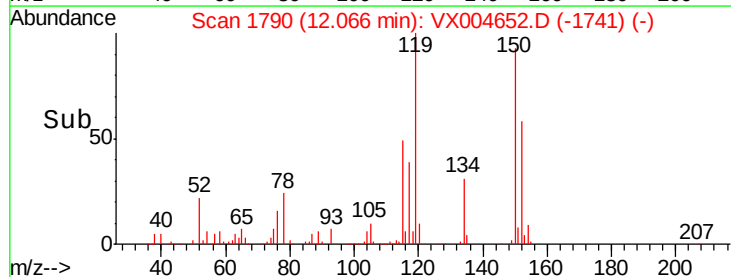
0

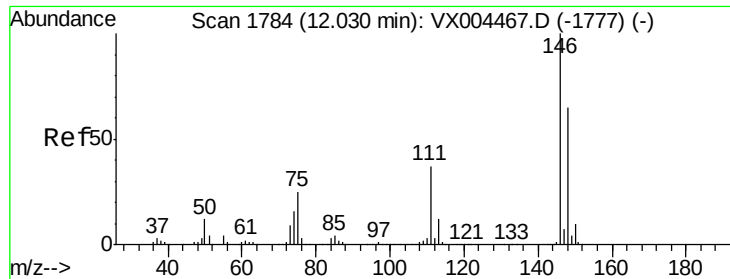
Time-->

12.00

12.10

12.20





#87

1,3-Dichlorobenzene

Concen: 19.935 ug/l

RT: 12.03 min Scan# 1784

Delta R.T. -0.00 min

Lab File: VX004652.D

Acq: 18 Sep 2018 12:42

Instrument :

MSVOA_X

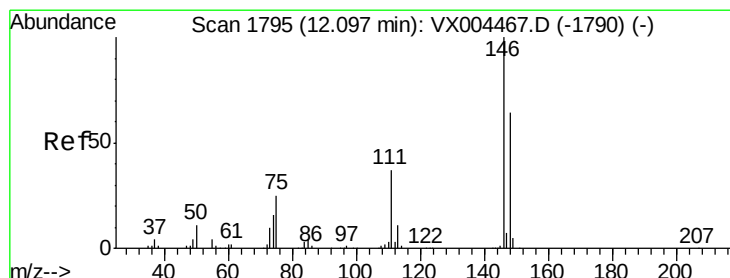
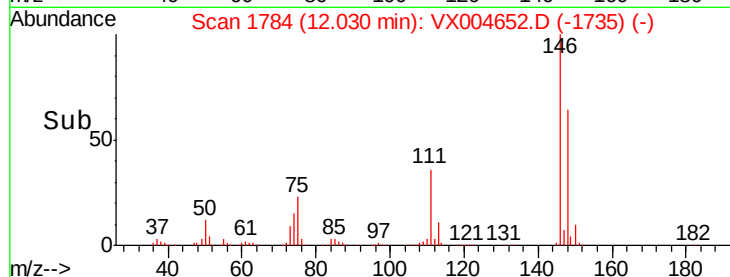
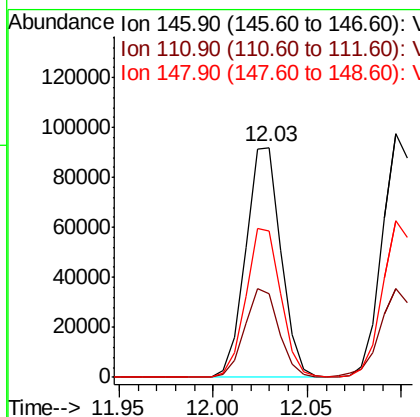
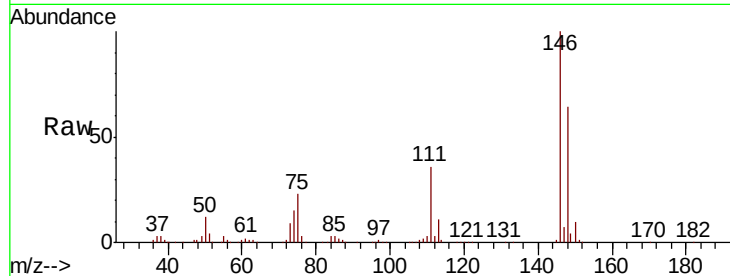
ClientSampleId :

VX0918MBSD01

Tgt Ion:	146	Resp:	119330
Ion Ratio	Lower	Upper	
146	100		
111	37.4	18.7	56.1
148	64.4	32.1	96.5

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#88

1,4-Dichlorobenzene

Concen: 19.706 ug/l

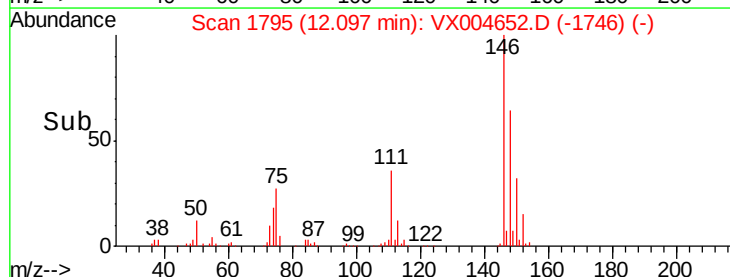
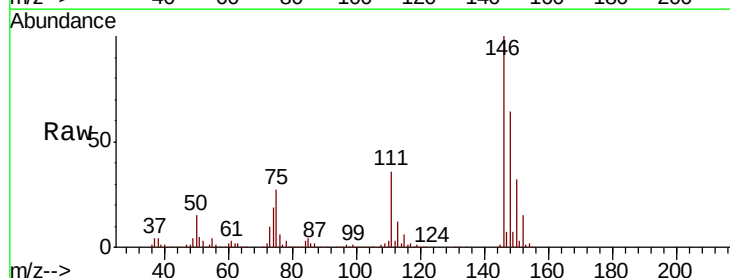
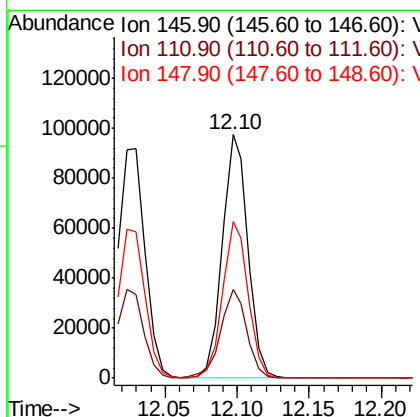
RT: 12.10 min Scan# 1795

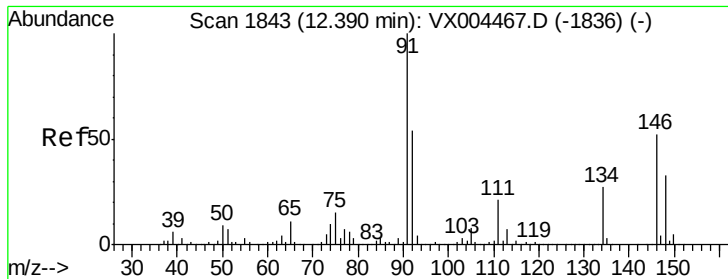
Delta R.T. -0.00 min

Lab File: VX004652.D

Acq: 18 Sep 2018 12:42

Tgt Ion:	146	Resp:	121887
Ion Ratio	Lower	Upper	
146	100		
111	37.2	18.1	54.1
148	64.4	32.0	96.0





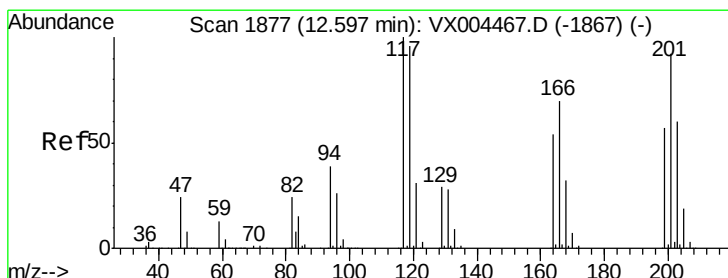
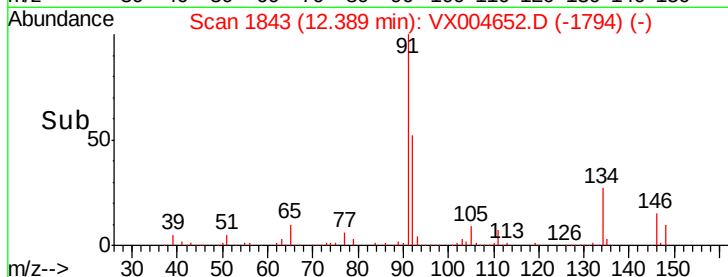
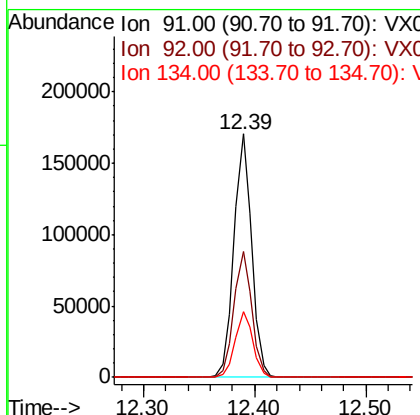
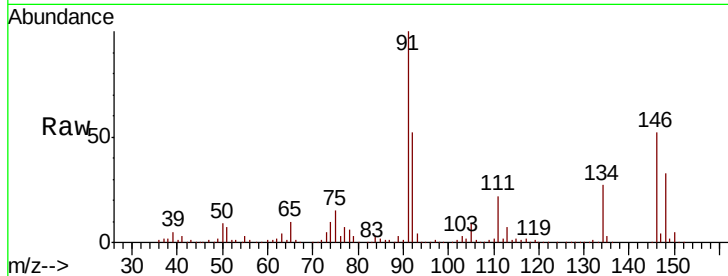
#89
n-Butylbenzene
Concen: 19.705 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX004652.D
Acq: 18 Sep 2018 12:42

Instrument :
MSVOA_X
ClientSampleId :
VX0918MBSD01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.1	27.3	81.9
134	26.9	13.6	40.7

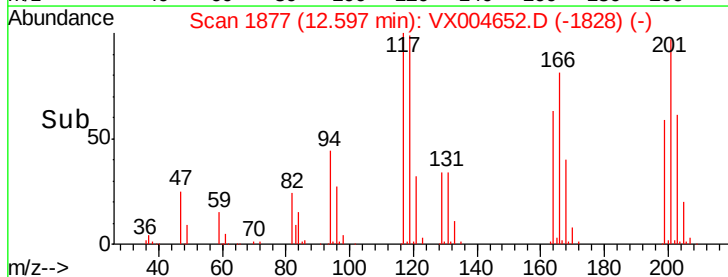
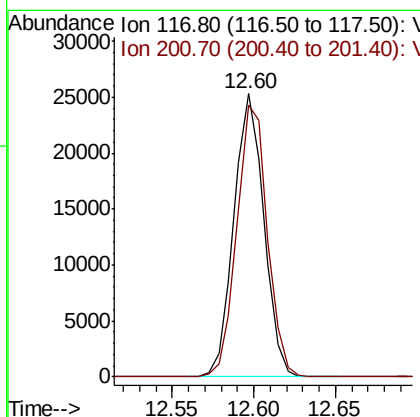
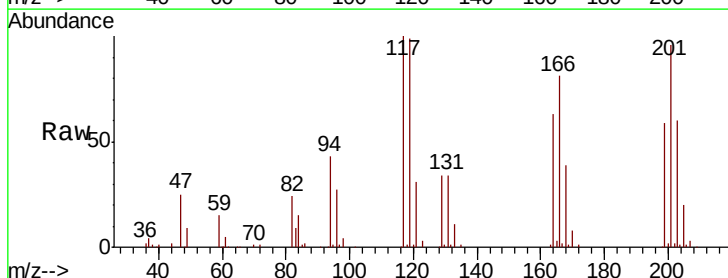
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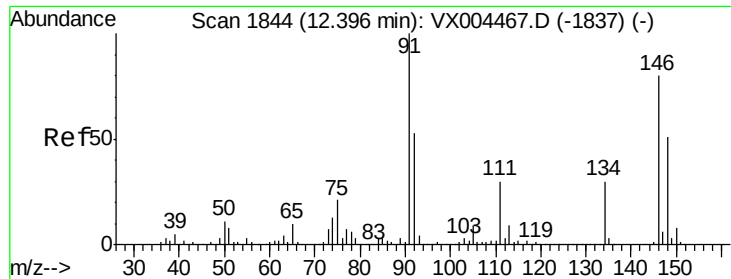
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#90
Hexachloroethane
Concen: 19.290 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX004652.D
Acq: 18 Sep 2018 12:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	98.0	46.9	140.6





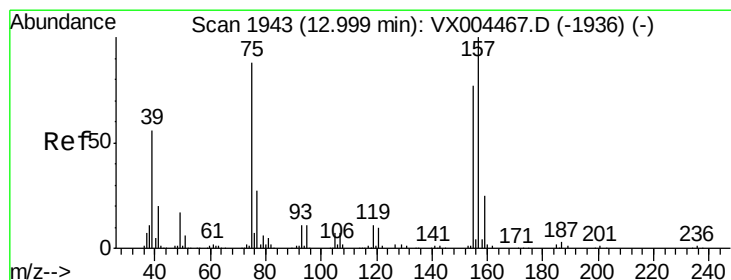
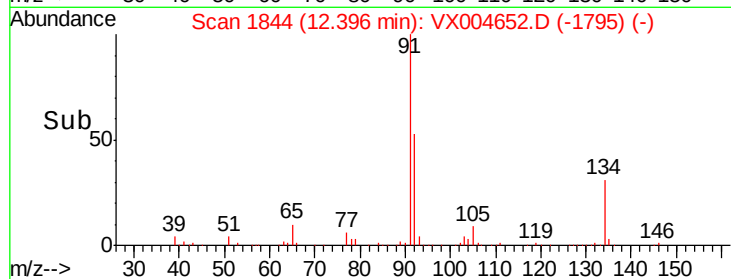
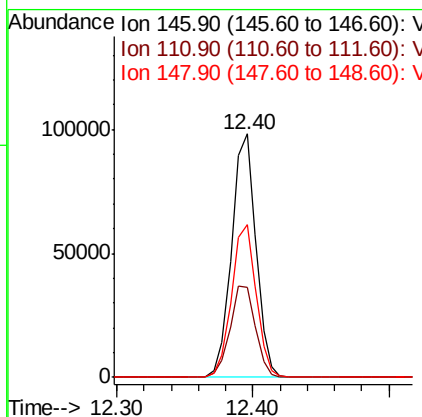
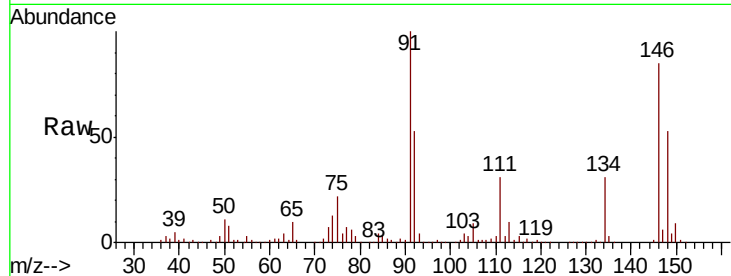
#91
 1,2-Dichlorobenzene
 Concen: 20.135 ug/l
 RT: 12.40 min Scan# 1844
 Delta R.T. -0.00 min
 Lab File: VX004652.D
 Acq: 18 Sep 2018 12:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918MBSD01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.4	58.1
148	63.4	32.8	98.3

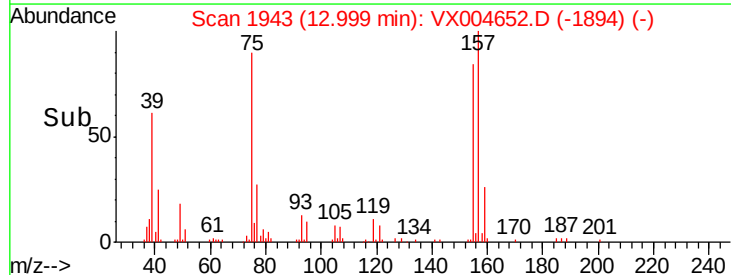
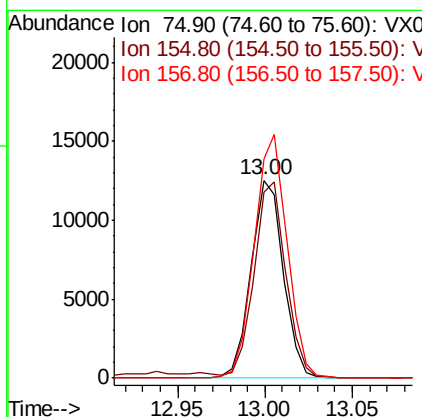
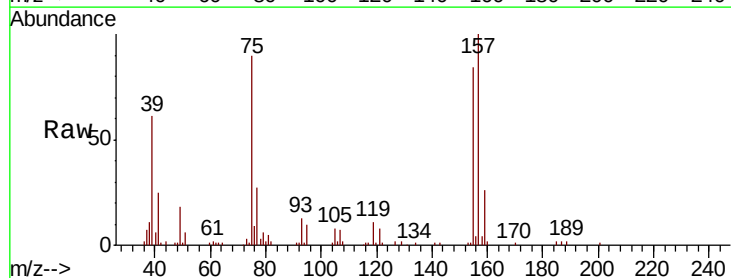
Manual Integrations
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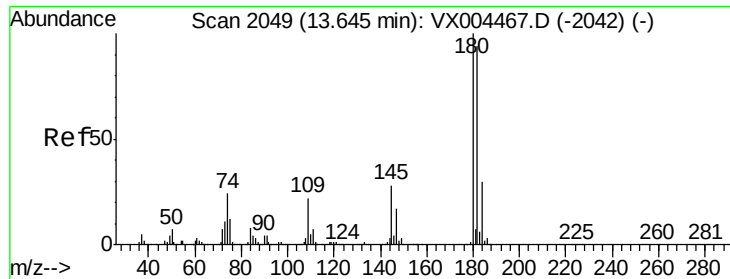
MMDadoda
 9/19/2018 12:51:10 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.095 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX004652.D
 Acq: 18 Sep 2018 12:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.1	48.0	144.2
157	124.9	61.4	184.1





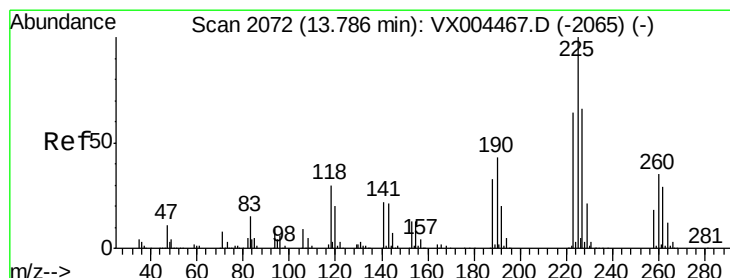
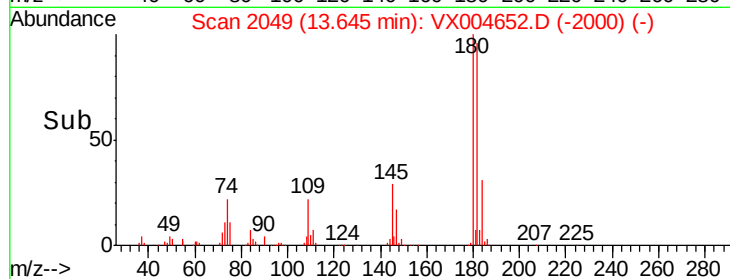
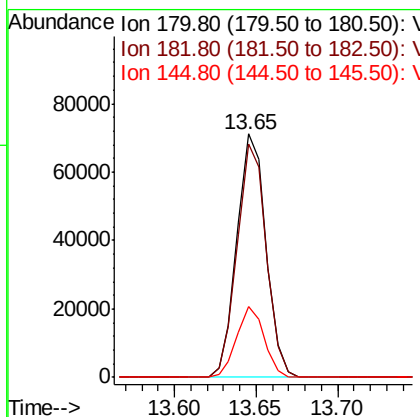
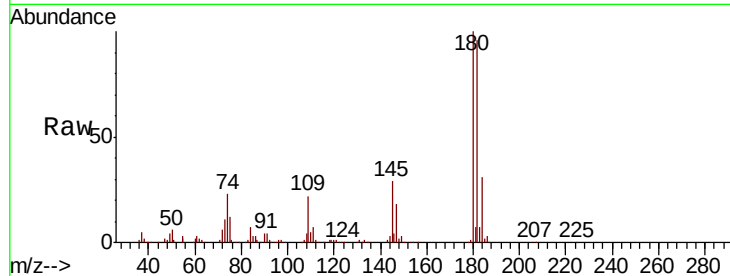
#93
 1,2,4-Trichlorobenzene
 Concen: 20.625 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX004652.D
 Acq: 18 Sep 2018 12:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918MBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	88482		
182	96.1	48.4	145.0	
145	27.8	14.3	42.9	

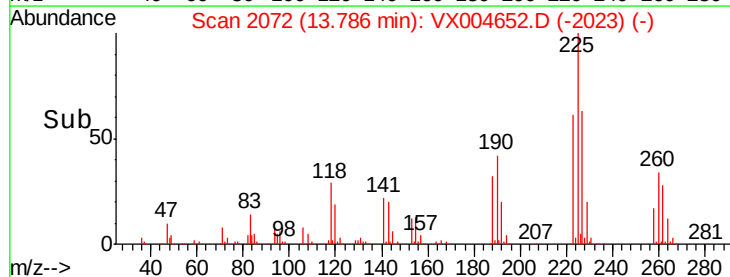
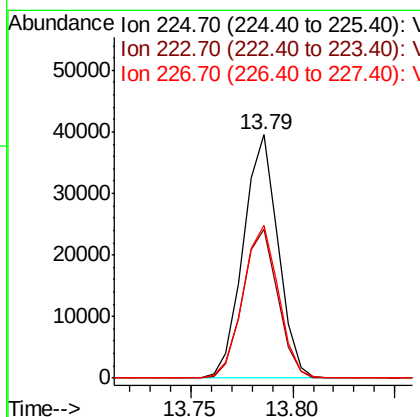
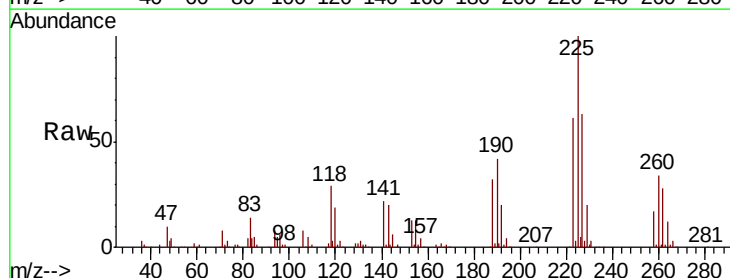
Manual Integrations
 APPROVED

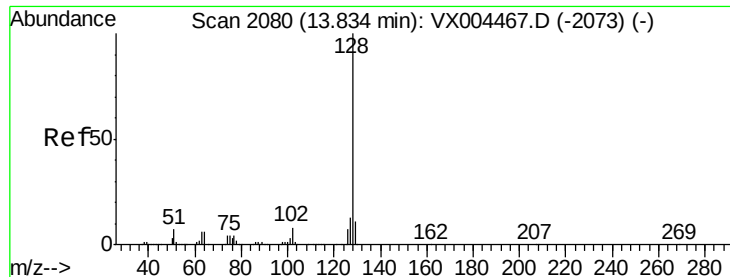
MMDadoda
 9/19/2018 12:51:10 PM



#94
 Hexachlorobutadiene
 Concen: 20.899 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX004652.D
 Acq: 18 Sep 2018 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	46832		
223	61.8	30.1	90.5	
227	64.1	30.8	92.4	





#95

Naphthalene

Concen: 21.818 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX004652.D

Acq: 18 Sep 2018 12:42

Instrument :

MSVOA_X

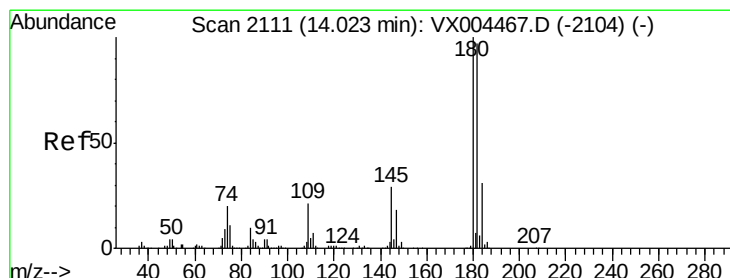
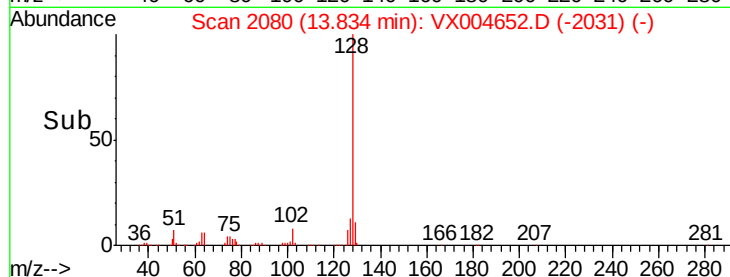
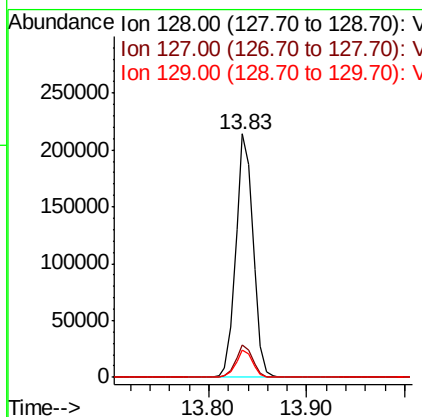
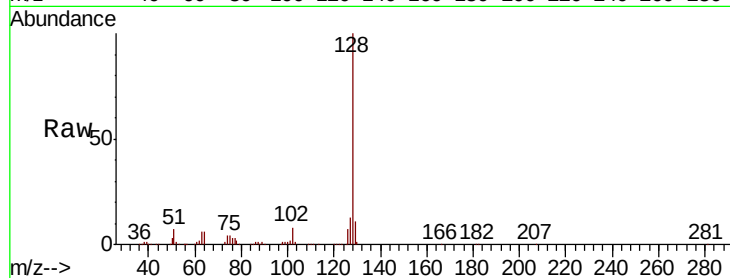
ClientSampleId :

VX0918MBSD01

Tgt Ion:	128	Resp:	262520
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.2	15.2
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/19/2018 12:51:10 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.736 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VX004652.D

Acq: 18 Sep 2018 12:42

Tgt Ion:	180	Resp:	91391
Ion Ratio	Lower	Upper	
180	100		
182	96.6	48.5	145.6
145	29.7	14.9	44.9

