

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091518\
 Data File : VX004602.D
 Acq On : 16 Sep 2018 00:00
 Operator : JC/MD
 Sample : VX0915WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0915WBSD02

Manual Integrations
 APPROVED

MMDadoda
 9/17/2018 6:27:30 PM

Quant Time: Sep 17 08:51:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	262222	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	339291	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	305817	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	214473	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	165661	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	
35) Dibromofluoromethane	5.51	113	146656	47.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.46%	
50) Toluene-d8	8.72	98	490303	47.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.18%	
62) 4-Bromofluorobenzene	11.14	95	177178	47.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.34%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	49894	20.30	ug/l	96
3) Chloromethane	1.32	50	66610	19.69	ug/l	98
4) Vinyl Chloride	1.40	62	66731	19.22	ug/l	94
5) Bromomethane	1.64	94	31472	20.97	ug/l	92
6) Chloroethane	1.72	64	49727	22.15	ug/l	97
7) Trichlorofluoromethane	1.93	101	89386	19.42	ug/l #	84
8) Diethyl Ether	2.19	74	41845	20.28	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	57245	19.61	ug/l	97
10) Methyl Iodide	2.51	142	46228	16.38	ug/l	97
11) Tert butyl alcohol	3.06	59	79604	98.67	ug/l	100
12) 1,1-Dichloroethene	2.37	96	55039	20.09	ug/l	94
13) Acrolein	2.29	56	53127	166.82	ug/l	94
14) Allyl chloride	2.73	41	105520	18.73	ug/l	96
15) Acrylonitrile	3.14	53	190443	98.02	ug/l	98
16) Acetone	2.45	43	149832	90.79	ug/l	96
17) Carbon Disulfide	2.57	76	152514	19.26	ug/l	98
18) Methyl Acetate	2.78	43	93148	20.12	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	196018	20.39	ug/l	98
20) Methylene Chloride	2.85	84	65369	19.31	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	60014	19.82	ug/l	89
22) Diisopropyl ether	3.87	45	206258	20.33	ug/l	97
23) Vinyl Acetate	3.82	43	817129	99.53	ug/l	98
24) 1,1-Dichloroethane	3.70	63	114571	20.00	ug/l	98
25) 2-Butanone	4.70	43	235042	89.49	ug/l	97
26) 2,2-Dichloropropane	4.58	77	63247	16.08	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	69586	20.59	ug/l	97
28) Bromochloromethane	5.01	49	56489	21.56	ug/l	95
29) Tetrahydrofuran	5.16	42	155079	97.91	ug/l	98
30) Chloroform	5.21	83	110092	19.69	ug/l	91
31) Cyclohexane	5.58	56	98977	20.24	ug/l	95
32) 1,1,1-Trichloroethane	5.50	97	93146	20.68	ug/l	99
36) 1,1-Dichloropropene	5.80	75	84455	20.50	ug/l	99
37) Ethyl Acetate	4.85	43	89537	19.11	ug/l	99
38) Carbon Tetrachloride	5.78	117	80210	19.94	ug/l	92

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	82961	19.30	ug/l	95
40) Benzene	6.14	78	254909	20.86	ug/l	98
41) Methacrylonitrile	5.06	41	51798	20.07	ug/l	99
42) 1,2-Dichloroethane	6.20	62	82291	20.30	ug/l	100
43) Isopropyl Acetate	6.46	43	127747	20.53	ug/l	99
44) Trichloroethene	7.21	130	60261	18.98	ug/l	95
45) 1,2-Dichloropropane	7.52	63	58076	19.75	ug/l	99
46) Dibromomethane	7.66	93	36574	19.69	ug/l	99
47) Bromodichloromethane	7.90	83	67628	19.25	ug/l	100
48) Methyl methacrylate	7.77	41	59932	19.46	ug/l	97
49) 1,4-Dioxane	7.76	88	28634	392.86	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	387633	88.27	ug/l	99
52) Toluene	8.79	92	138295	19.21	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	77686	18.93	ug/l	96
54) cis-1,3-Dichloropropene	8.44	75	80012	19.12	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	65323	21.07	ug/l	95
56) Ethyl methacrylate	9.18	69	94543	21.55	ug/l	97
57) 1,3-Dichloropropane	9.38	76	108002	21.44	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	203280	95.59	ug/l	97
59) 2-Hexanone	9.50	43	325784	96.72	ug/l	99
60) Dibromochloromethane	9.59	129	57722	19.78	ug/l	100
61) 1,2-Dibromoethane	9.67	107	58886	19.88	ug/l	98
64) Tetrachloroethene	9.34	164	81306	21.29	ug/l	94
65) Chlorobenzene	10.14	112	155387	20.46	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.23	131	54238	20.70	ug/l	99
67) Ethyl Benzene	10.26	91	256583	20.77	ug/l	99
68) m/p-Xylenes	10.36	106	202009	42.46	ug/l	97
69) o-Xylene	10.70	106	97093	21.23	ug/l	99
70) Styrene	10.71	104	162937	21.50	ug/l	99
71) Bromoform	10.86	173	42190	19.62	ug/l #	99
73) Isopropylbenzene	11.02	105	262129	18.56	ug/l	100
74) N-amyl acetate	10.90	43	103135	17.35	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	81222	17.83	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	75672m	17.54	ug/l	
77) Bromobenzene	11.26	156	70609	18.09	ug/l	99
78) n-propylbenzene	11.36	91	299814	18.46	ug/l	100
79) 2-Chlorotoluene	11.42	91	178937	18.17	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	238196	20.06	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.08	75	21061	15.56	ug/l	99
82) 4-Chlorotoluene	11.51	91	227610	19.80	ug/l	98
83) tert-Butylbenzene	11.77	119	254705	22.53	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	276355	22.79	ug/l	99
85) sec-Butylbenzene	11.94	105	323984	22.49	ug/l	99
86) p-Isopropyltoluene	12.07	119	272243	21.40	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	153181	21.03	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	148711	19.76	ug/l	98
89) n-Butylbenzene	12.39	91	224981	19.41	ug/l	96
90) Hexachloroethane	12.60	117	38957	19.13	ug/l	95
91) 1,2-Dichlorobenzene	12.40	146	141870	19.24	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	20086	20.65	ug/l	98

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0915WBSD02

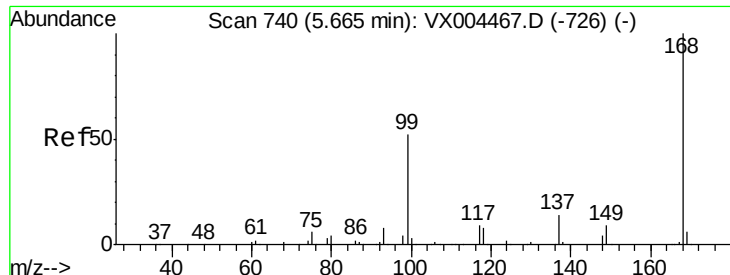
Manual Integrations
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9/17/2018 6:27:30 PM

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	115949	22.21	ug/l	98
94) Hexachlorobutadiene	13.79	225	56636	20.77	ug/l	97
95) Naphthalene	13.83	128	333042	22.75	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	115462	21.53	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX004602.D

Acq: 16 Sep 2018 00:00

Instrument :

MSVOA_X

ClientSampleId :

VX0915WBSD02

Tot Ion:168 Resp: 262222

Ion Ratio Lower Upper

168 100

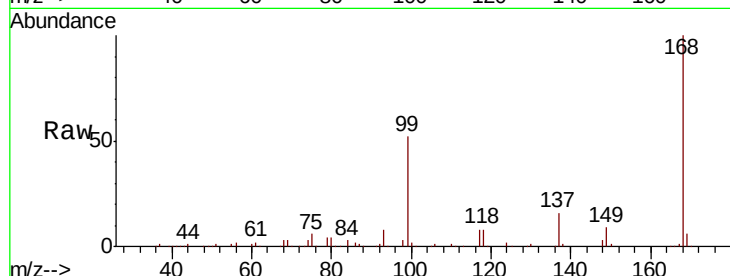
99 52.0 39.9 59.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

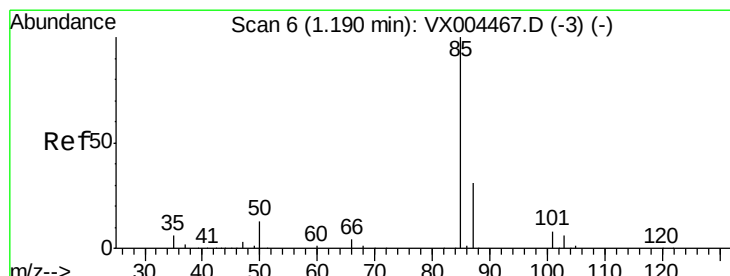
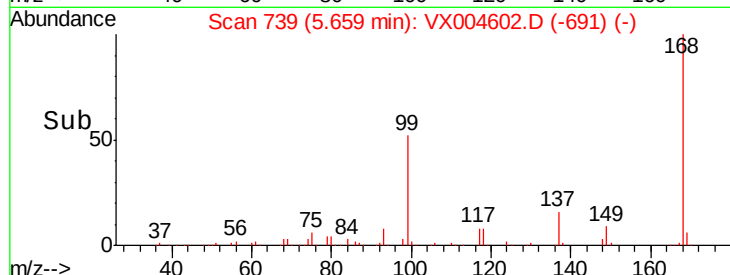
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.30 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.01 min

Lab File: VX004602.D

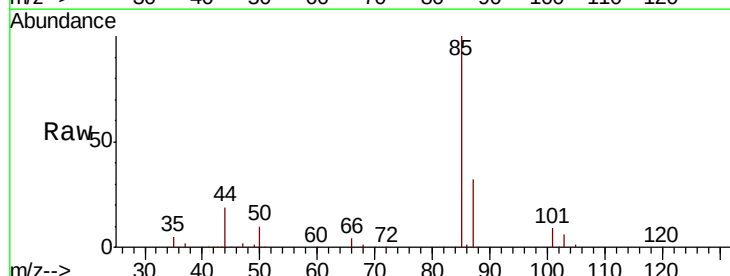
Acq: 16 Sep 2018 00:00

Tgt Ion: 85 Resp: 49894

Ion Ratio Lower Upper

85 100

87 31.6 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

60000

50000

40000

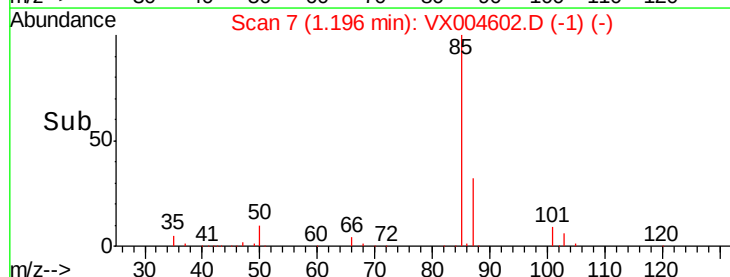
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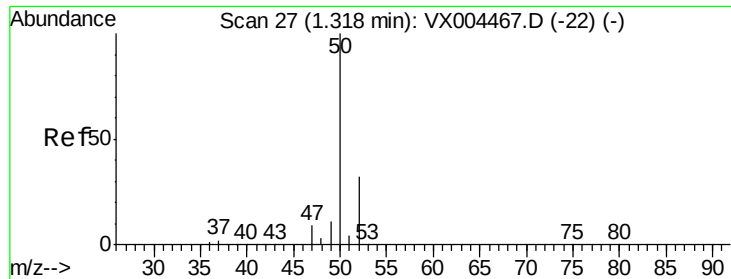
20000

10000

0

Time-->





#3

Chloromethane

Concen: 19.69 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004602.D

Acq: 16 Sep 2018 00:00

Instrument :

MSVOA_X

ClientSampleId :

VX0915WBSD02

Tot Ion: 50 Resp: 66610

Ion Ratio Lower Upper

50 100

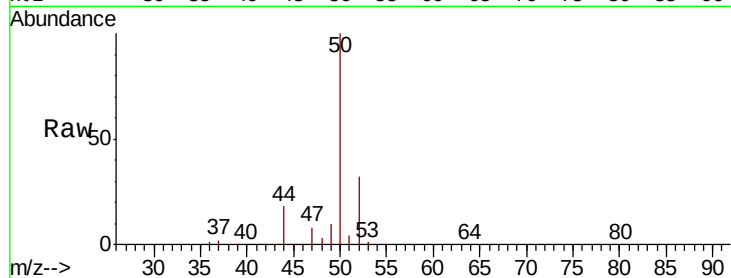
52 31.7 26.2 39.2

Manual Integrations

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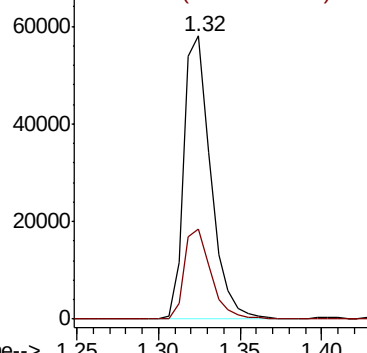
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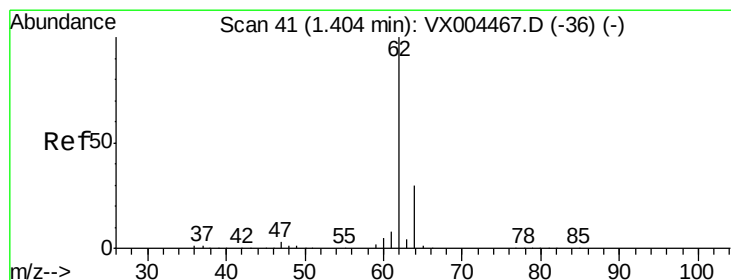
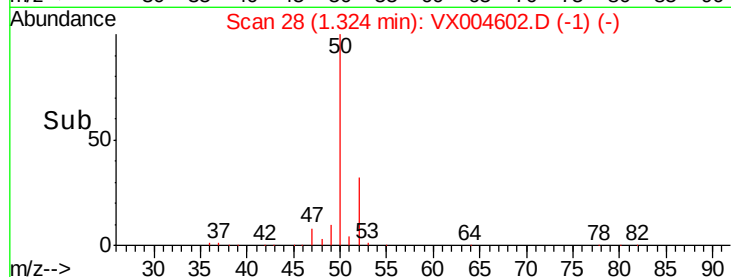


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->



#4

Vinyl Chloride

Concen: 19.22 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX004602.D

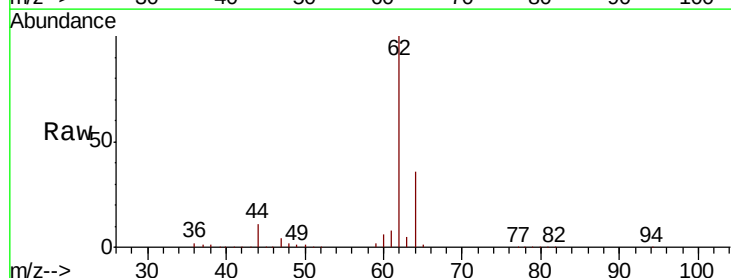
Acq: 16 Sep 2018 00:00

Tgt Ion: 62 Resp: 66731

Ion Ratio Lower Upper

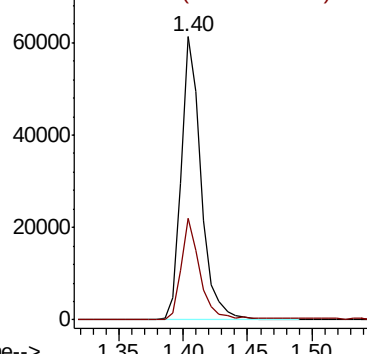
62 100

64 35.5 25.8 38.8

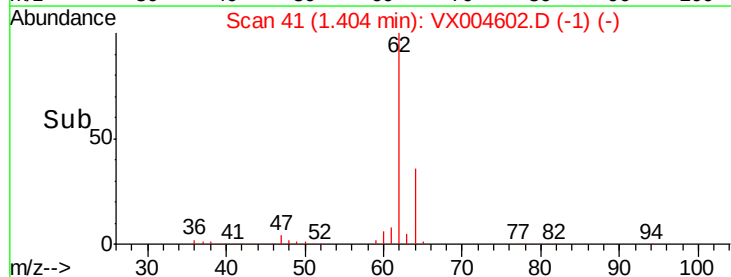


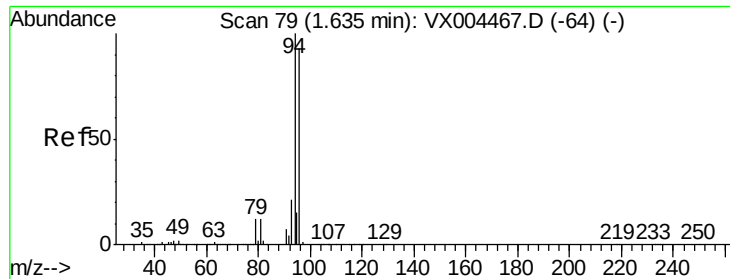
Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



Time-->





#5

Bromomethane

Concen: 20.97 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004602.D

Acq: 16 Sep 2018 00:00

Instrument :

MSVOA_X

ClientSampleId :

VX0915WBSD02

Tot Ion: 94 Resp: 31472

Ion Ratio Lower Upper

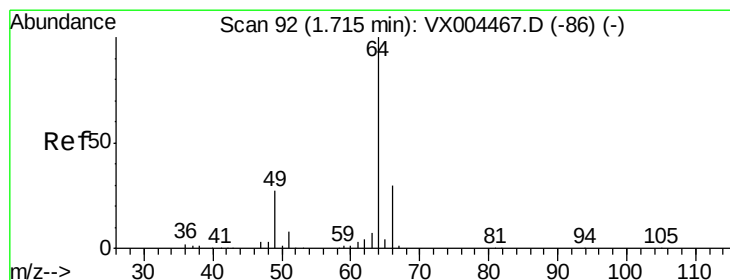
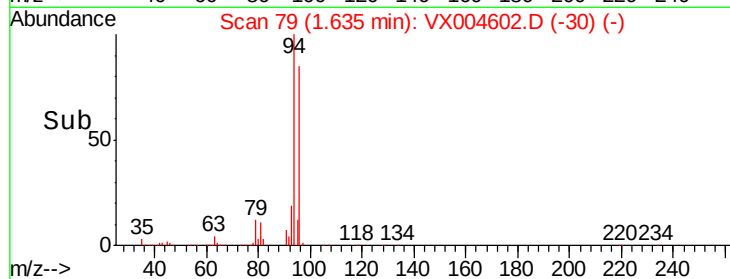
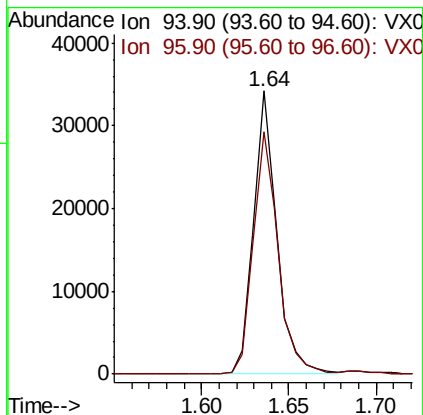
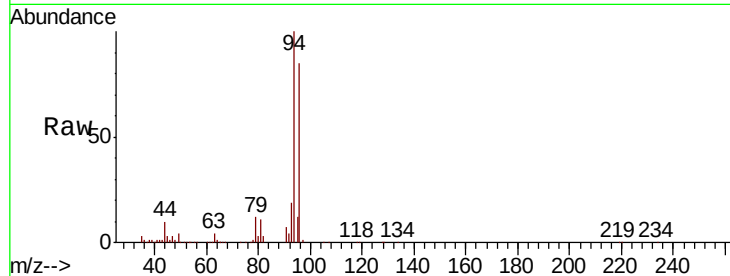
94 100

96 85.6 74.5 111.7

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#6

Chloroethane

Concen: 22.15 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX004602.D

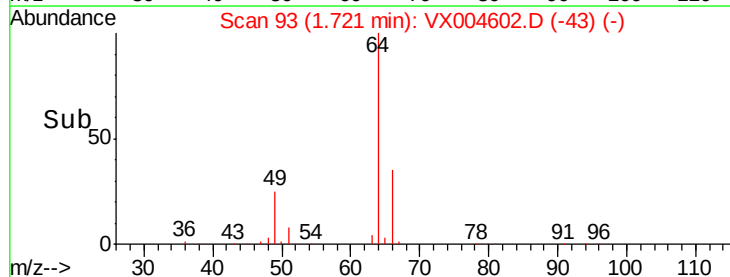
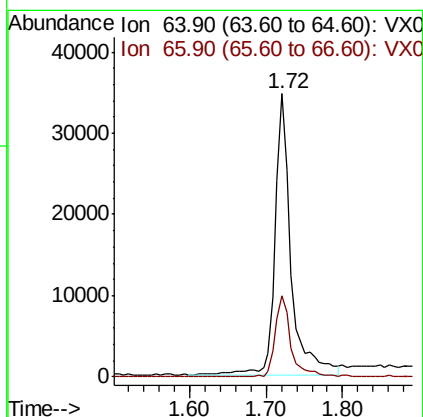
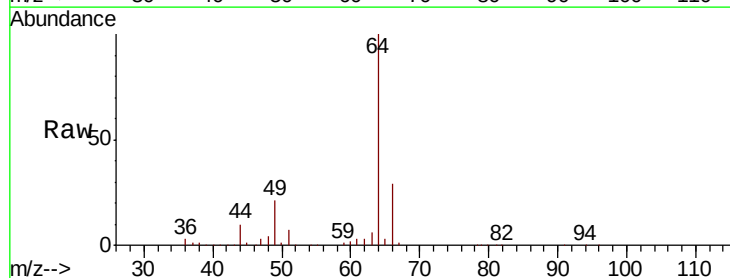
Acq: 16 Sep 2018 00:00

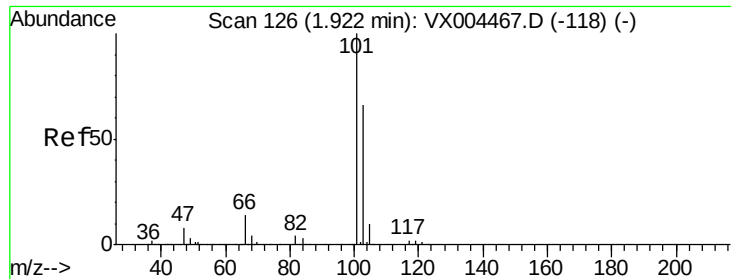
Tgt Ion: 64 Resp: 49727

Ion Ratio Lower Upper

64 100

66 28.9 24.6 36.8





#7

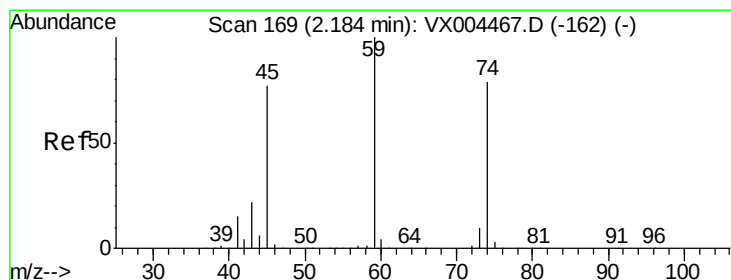
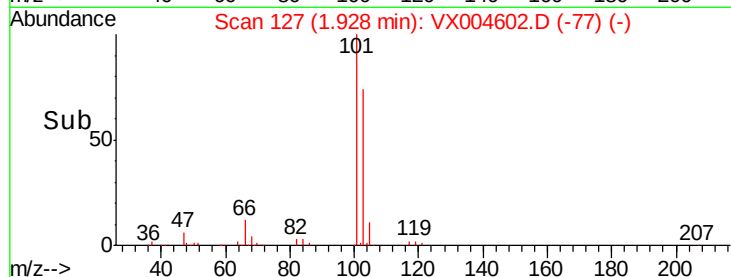
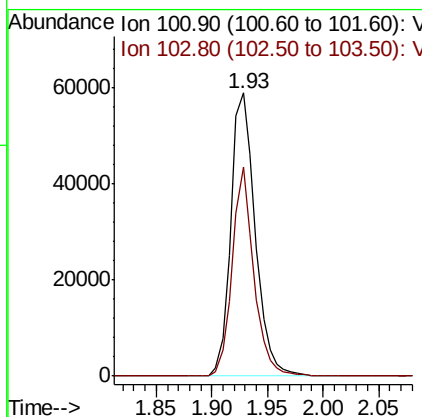
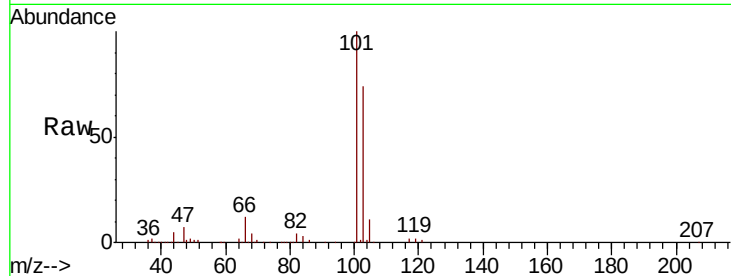
Trichlorofluoromethane
 Concen: 19.42 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX004602.D
 Acq: 16 Sep 2018 00:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0915WBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	73.7	48.9	73.3#

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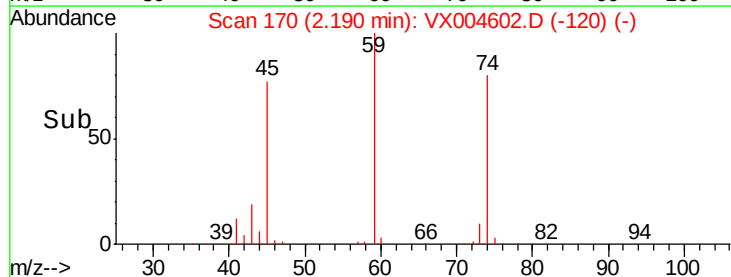
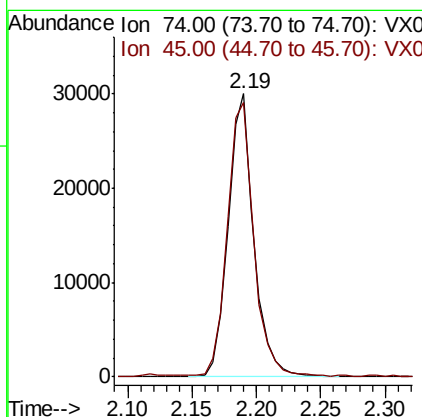
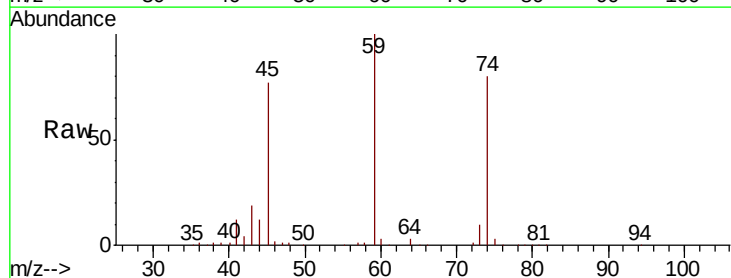
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 9/17/2018 6:27:30 PM

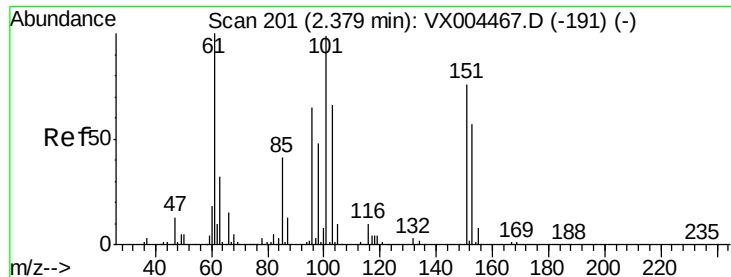


#8

Diethyl Ether
 Concen: 20.28 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX004602.D
 Acq: 16 Sep 2018 00:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.6	48.3	144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.61 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX004602.D

Acq: 16 Sep 2018 00:00

Instrument :

MSVOA_X

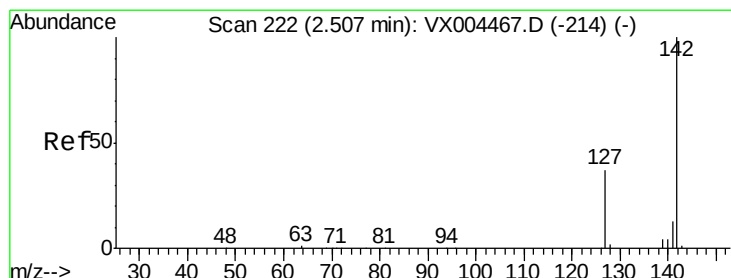
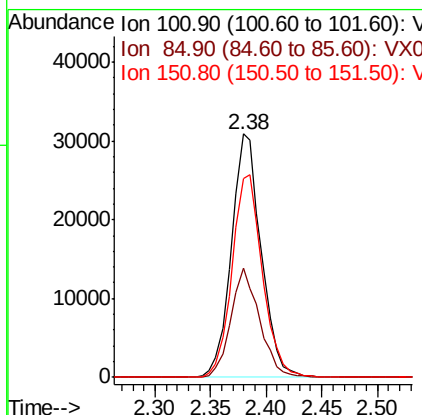
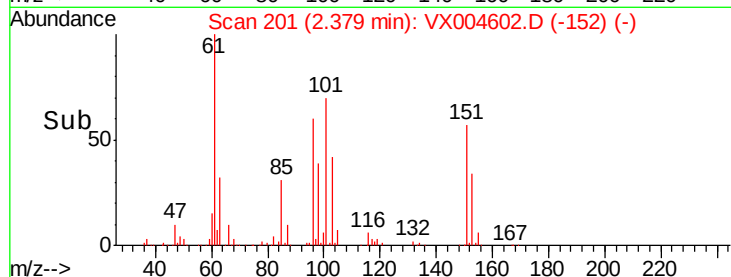
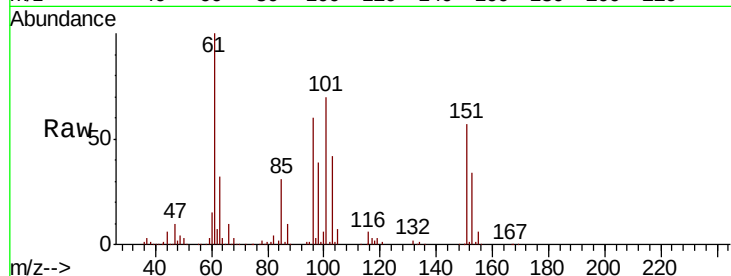
ClientSampleId :

VX0915WBSD02

Tot Ion:	101	Resp:	57245
Ion Ratio	Lower	Upper	
101	100		
85	43.1	34.2	51.4
151	84.9	65.0	97.6

Manual Integrations
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#10

Methyl Iodide

Concen: 16.38 ug/l

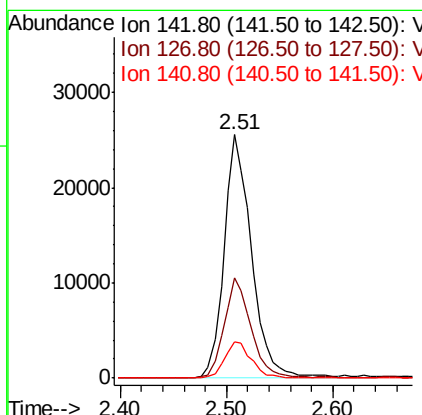
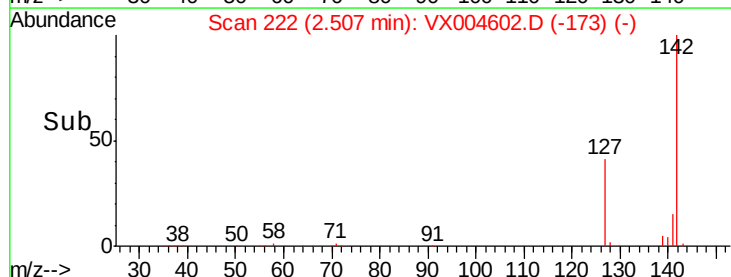
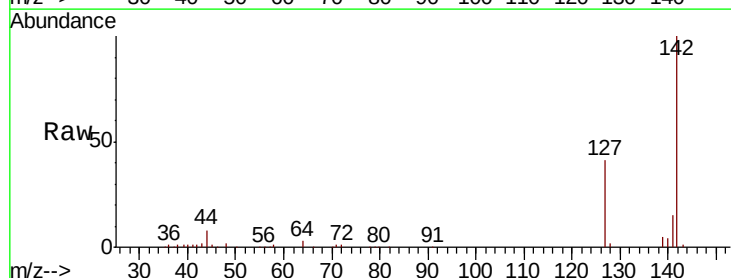
RT: 2.51 min Scan# 222

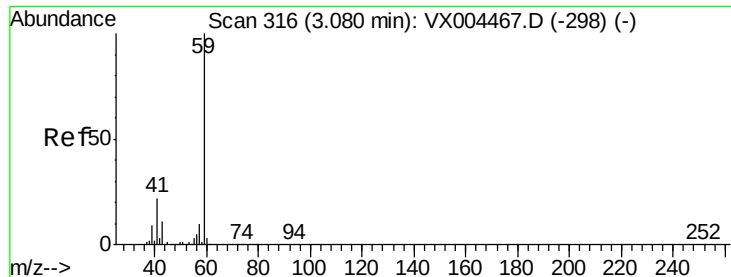
Delta R.T. 0.00 min

Lab File: VX004602.D

Acq: 16 Sep 2018 00:00

Tgt Ion:	142	Resp:	46228
Ion Ratio	Lower	Upper	
142	100		
127	40.0	33.8	50.6
141	14.3	11.4	17.0





#11

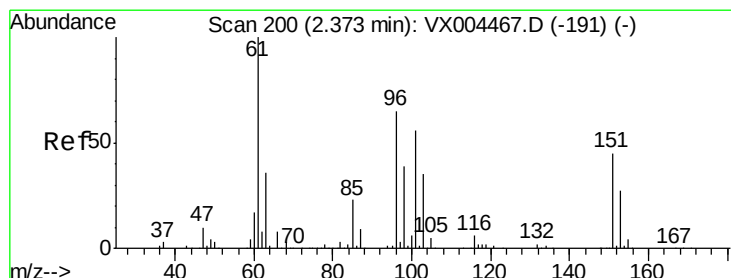
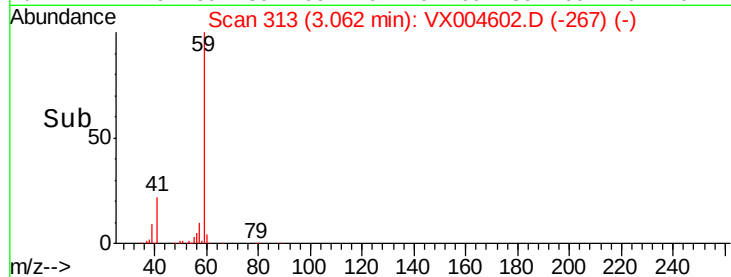
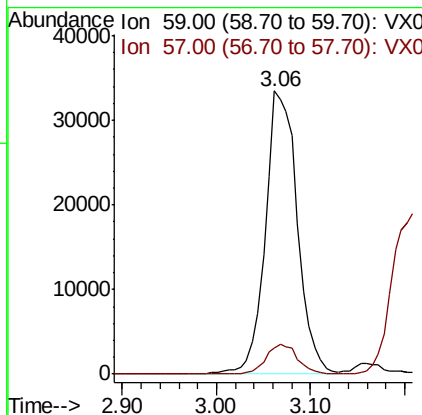
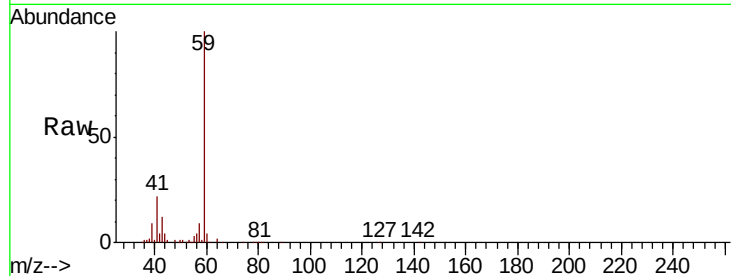
Tert butyl alcohol
Concen: 98.67 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX004602.D
Acq: 16 Sep 2018 00:00

Instrument :
MSVOA_X
ClientSampleId :
VX0915WBSD02

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	10.4	8.2	12.4

Manual Integrations
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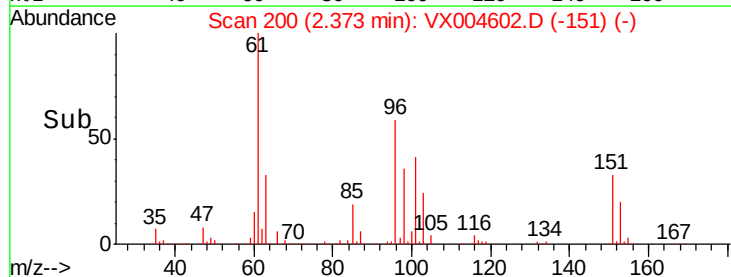
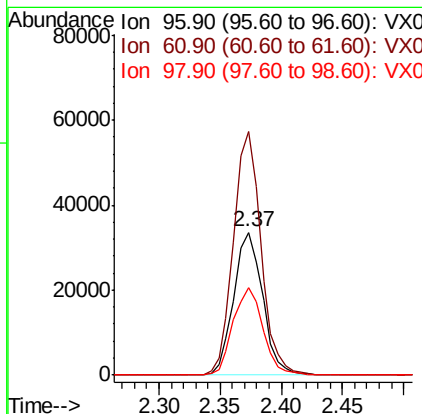
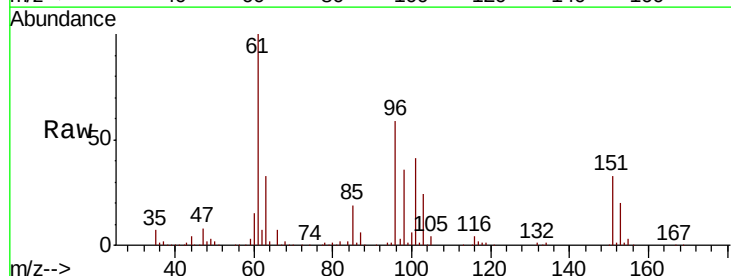
MMDadoda
9/17/2018 6:27:30 PM

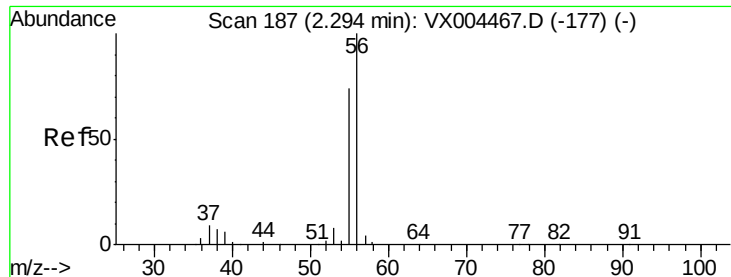


#12

1,1-Dichloroethene
Concen: 20.09 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX004602.D
Acq: 16 Sep 2018 00:00

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	170.1	128.8	193.2
98	98	61.4	52.2	78.2





#13

Acrolein

Concen: 166.82 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX004602.D

Acq: 16 Sep 2018 00:00

Instrument :

MSVOA_X

ClientSampleId :

VX0915WBSD02

Tot Ion: 56 Resp: 53127

Ion Ratio Lower Upper

56 100

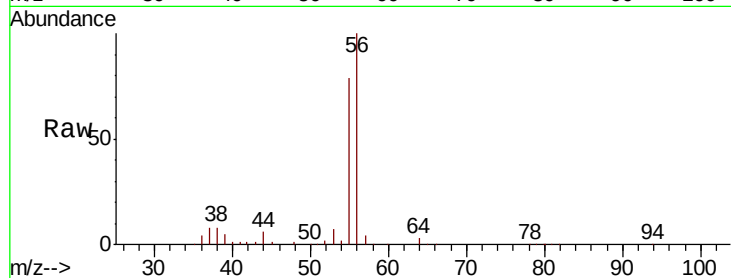
55 73.4 54.7 82.1

Manual Integrations

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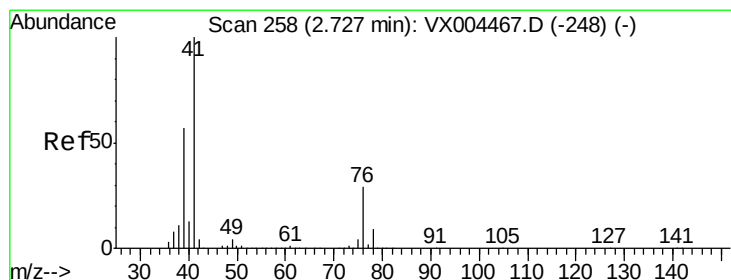
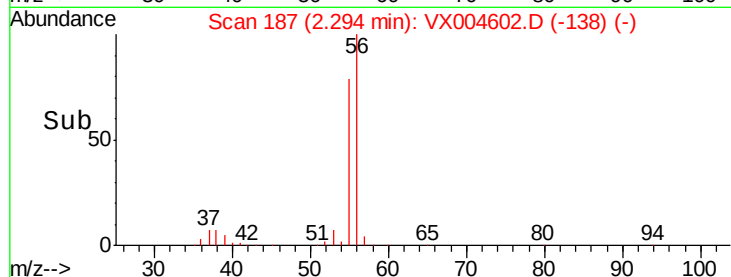
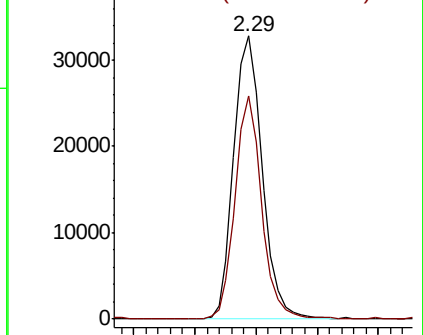
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 18.73 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX004602.D

Acq: 16 Sep 2018 00:00

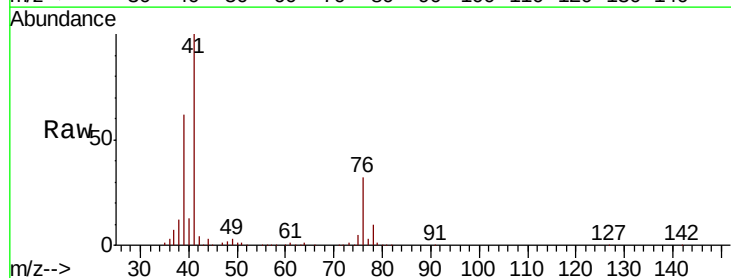
Tgt Ion: 41 Resp: 105520

Ion Ratio Lower Upper

41 100

39 57.9 48.9 73.3

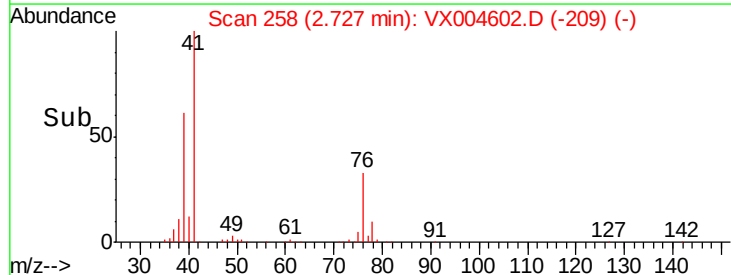
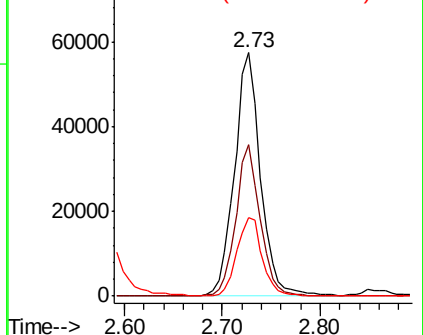
76 32.0 26.7 40.1

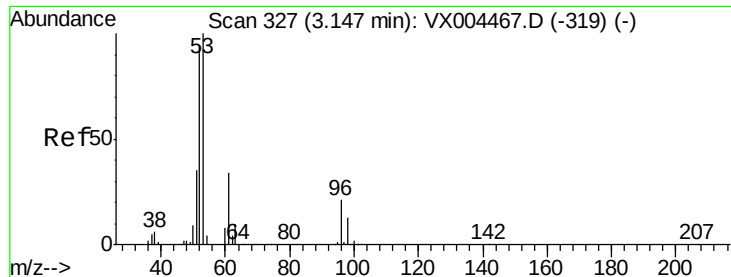


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 98.02 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX004602.D

Acq: 16 Sep 2018 00:00

Instrument :

MSVOA_X

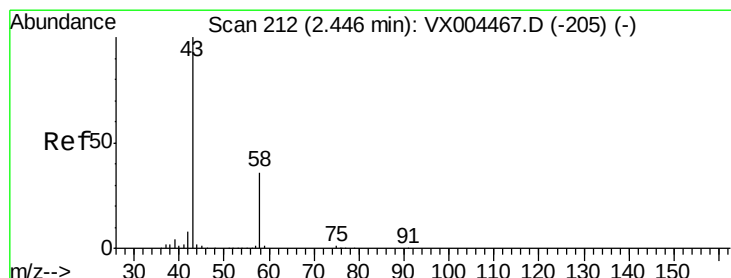
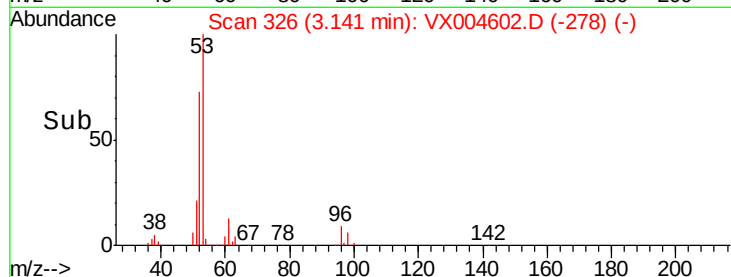
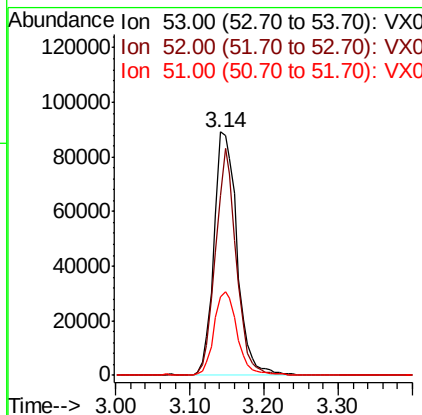
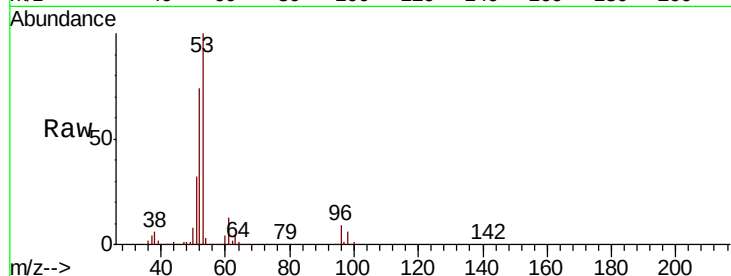
ClientSampleId :

VX0915WBSD02

Tot Ion:	53	Resp:	190443
Ion Ratio		Lower	Upper
53	100		
52	83.6	65.2	97.8
51	34.2	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 90.79 ug/l

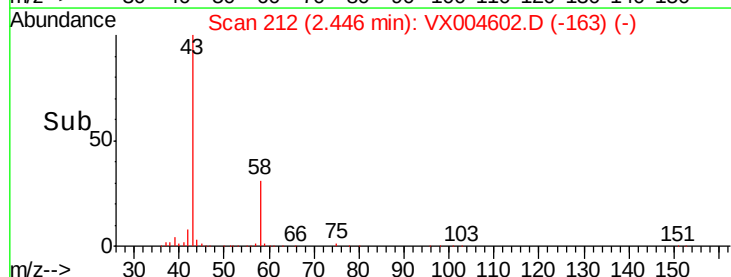
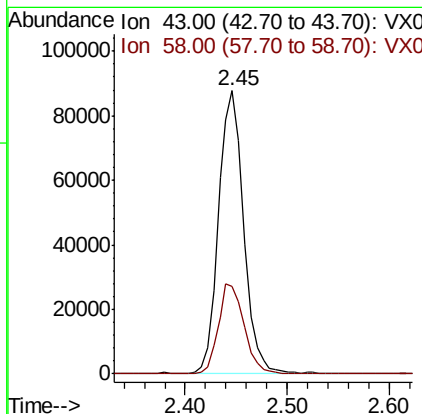
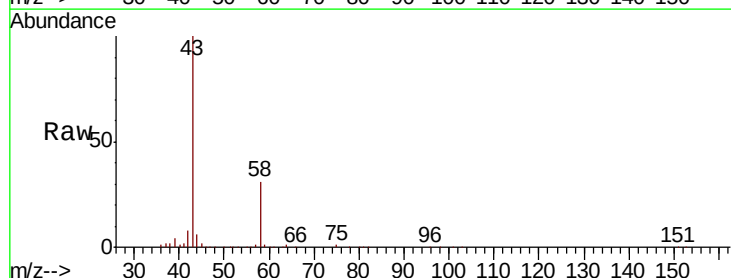
RT: 2.45 min Scan# 212

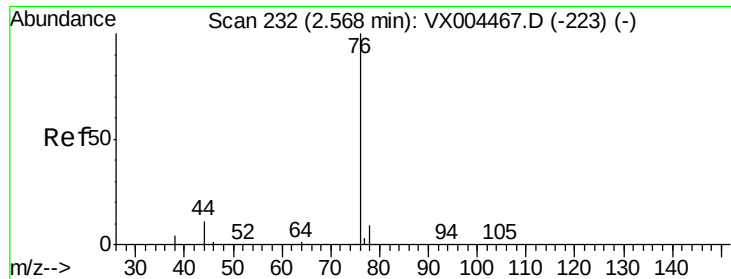
Delta R.T. -0.00 min

Lab File: VX004602.D

Acq: 16 Sep 2018 00:00

Tgt Ion:	43	Resp:	149832
Ion Ratio		Lower	Upper
43	100		
58	30.8	26.2	39.4





#17

Carbon Disulfide

Concen: 19.26 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX004602.D

Acq: 16 Sep 2018 00:00

Instrument :

MSVOA_X

ClientSampleId :

VX0915WBSD02

Tot Ion: 76 Resp: 152514

Ion Ratio Lower Upper

76 100

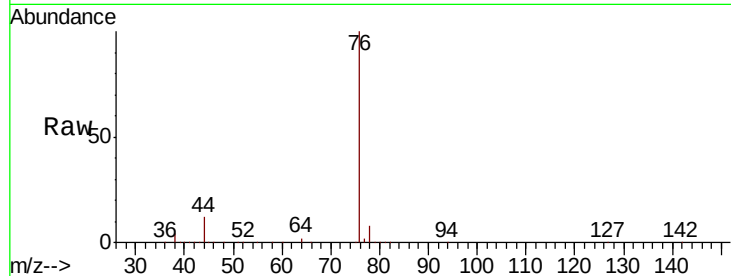
78 8.0 7.0 10.6

Manual Integrations

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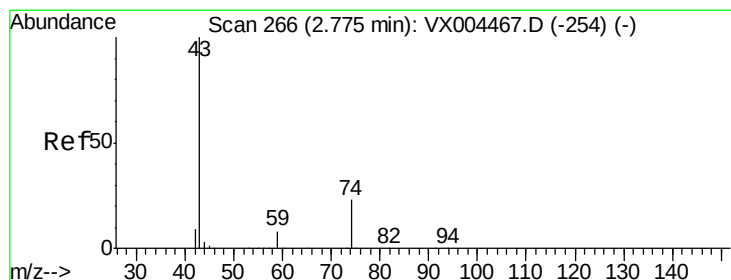
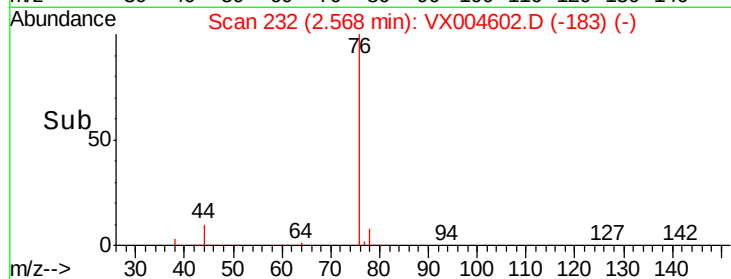
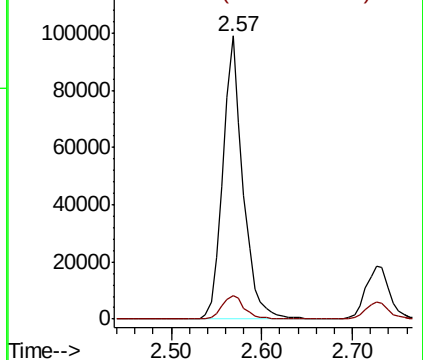
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 20.12 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX004602.D

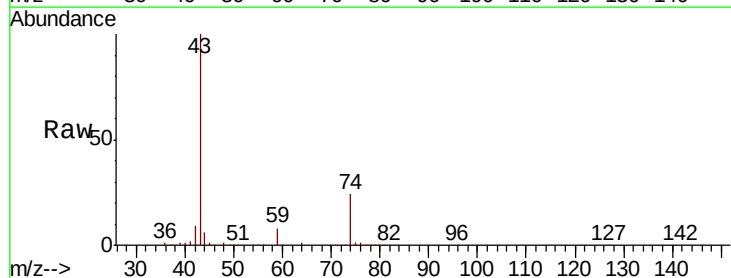
Acq: 16 Sep 2018 00:00

Tgt Ion: 43 Resp: 93148

Ion Ratio Lower Upper

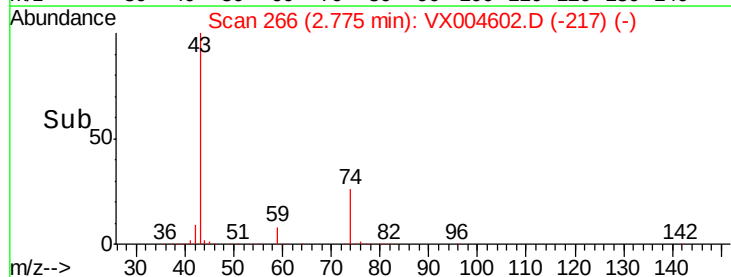
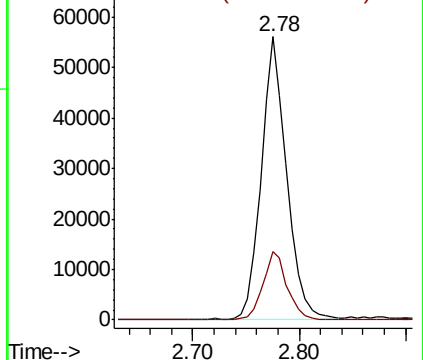
43 100

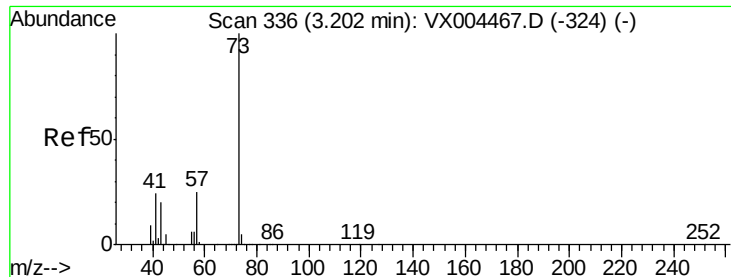
74 23.2 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





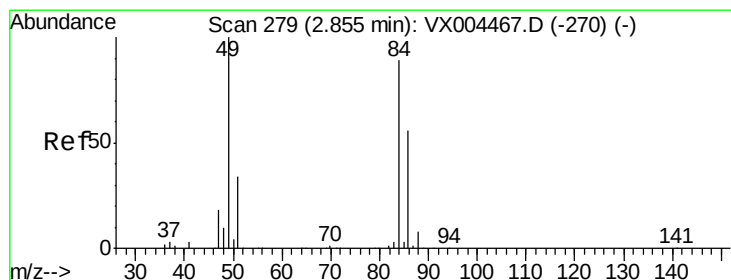
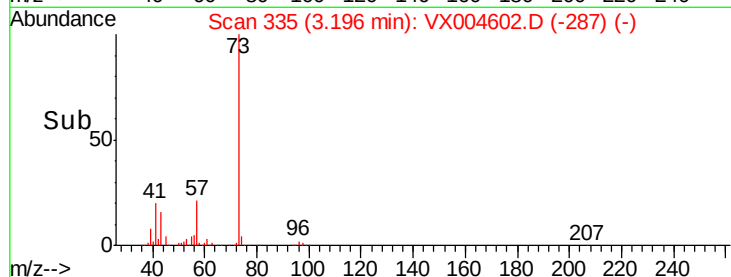
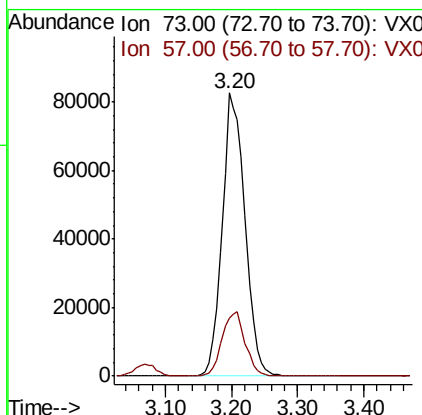
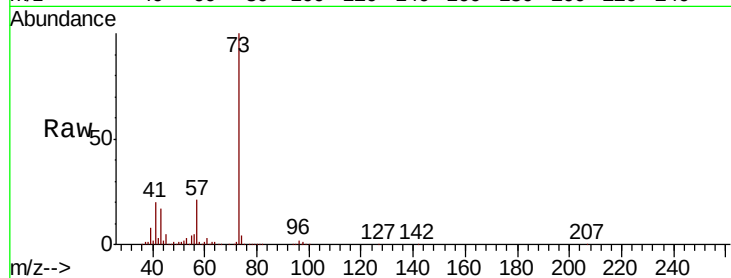
#19
Methyl tert-butyl Ether
Concen: 20.39 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.01 min
Lab File: VX004602.D
Acq: 16 Sep 2018 00:00

Instrument :
MSVOA_X
ClientSampleId :
VX0915WBSD02

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.5	17.1	25.7

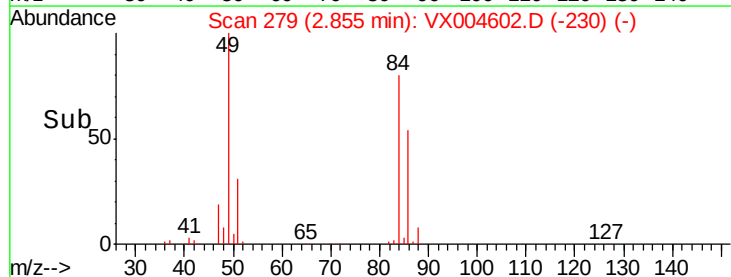
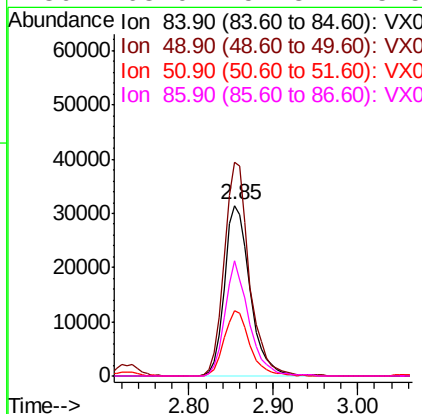
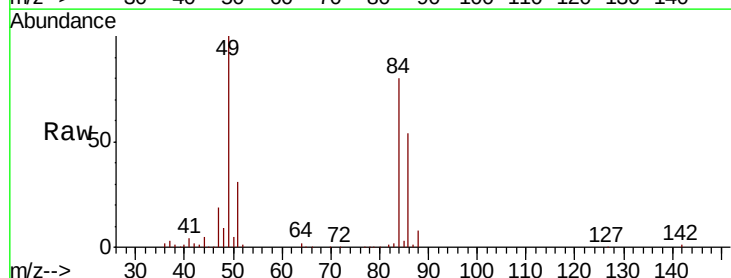
Manual Integrations
APPROVED

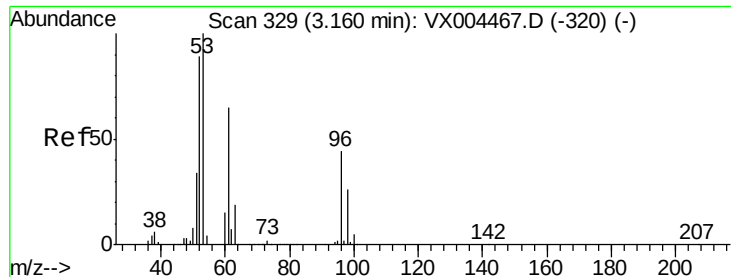
MMDadoda
9/17/2018 6:27:30 PM



#20
Methylene Chloride
Concen: 19.31 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX004602.D
Acq: 16 Sep 2018 00:00

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.4	101.2	151.8
51	38.5	29.5	44.3
86	68.0	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 19.82 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX004602.D

Acq: 16 Sep 2018 00:00

Instrument :

MSVOA_X

ClientSampleId :

VX0915WBSD02

Tot Ion: 96 Resp: 60014

Ion Ratio Lower Upper

96 100

61 124.3 113.8 170.6

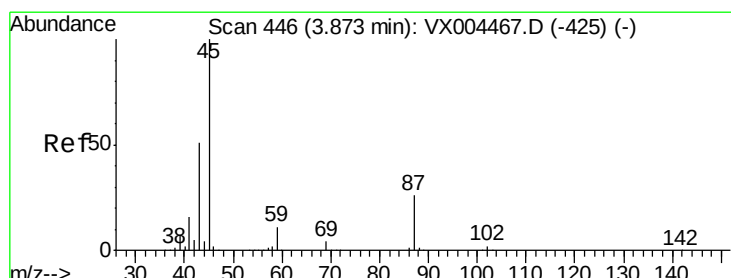
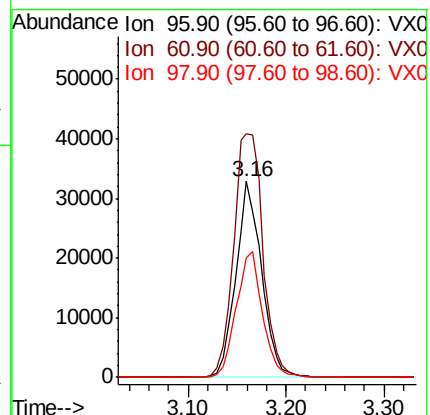
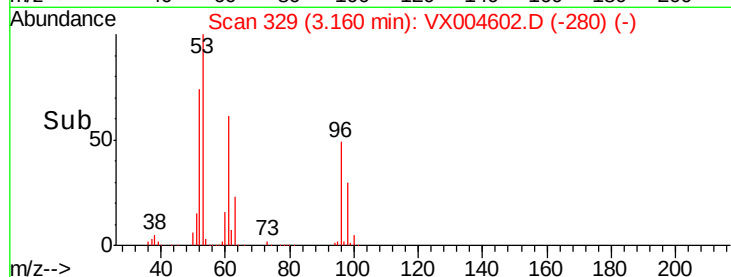
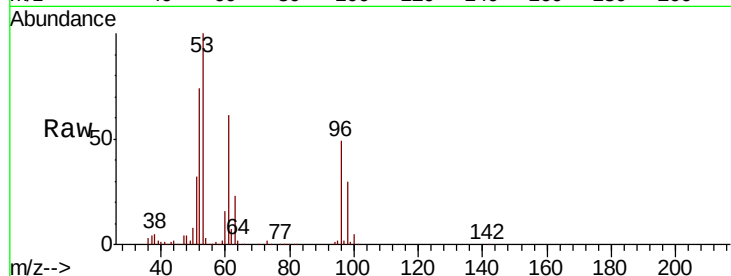
98 61.2 51.8 77.8

Manual Integrations

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#22

Diisopropyl ether

Concen: 20.33 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.00 min

Lab File: VX004602.D

Acq: 16 Sep 2018 00:00

Tgt Ion: 45 Resp: 206258

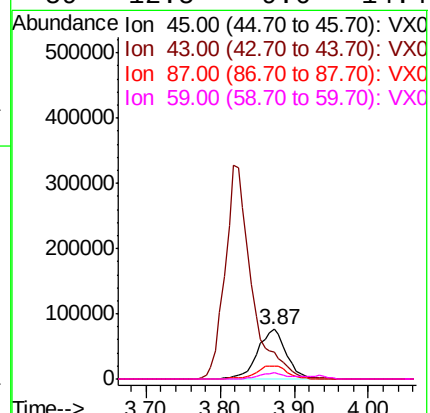
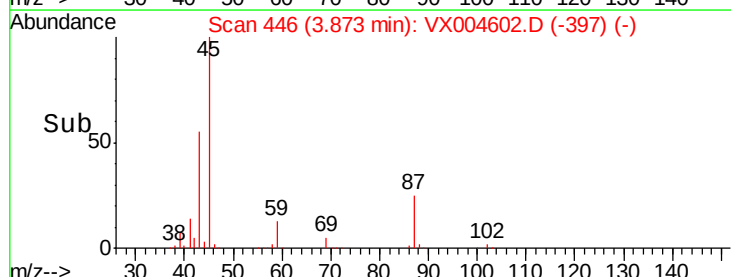
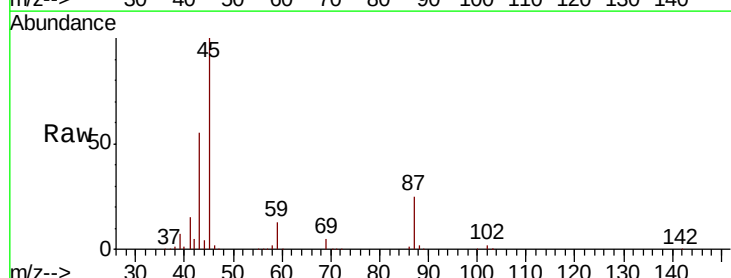
Ion Ratio Lower Upper

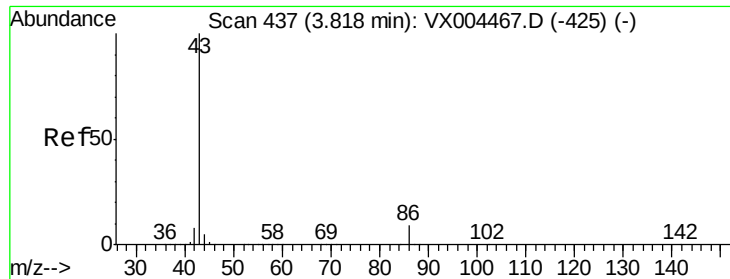
45 100

43 55.1 42.8 64.2

87 25.2 22.6 34.0

59 12.5 9.6 14.4





#23

Vinyl Acetate

Concen: 99.53 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.00 min

Lab File: VX004602.D

Acq: 16 Sep 2018 00:00

Instrument :

MSVOA_X

ClientSampleId :

VX0915WBSD02

Tot Ion: 43 Resp: 817129

Ion Ratio Lower Upper

43 100

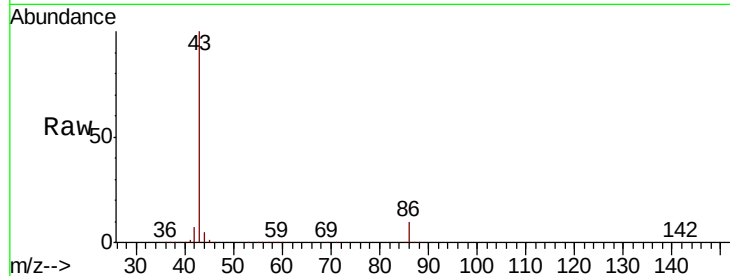
86 10.2 8.9 13.3

Manual Integrations

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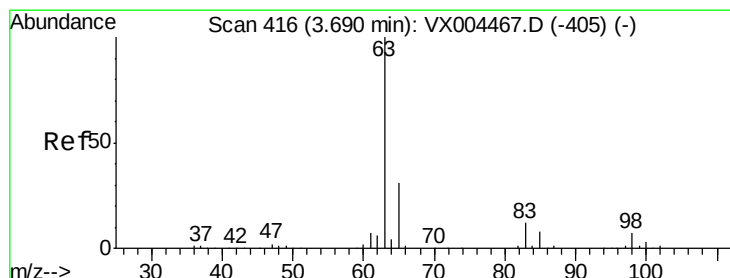
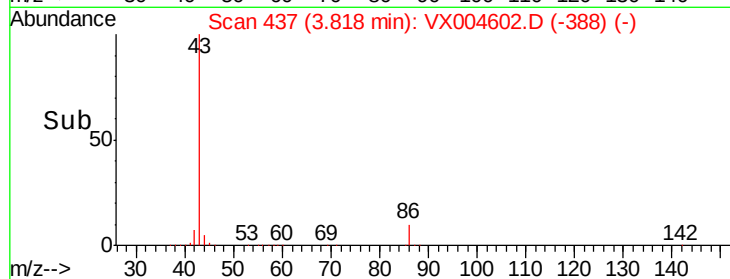
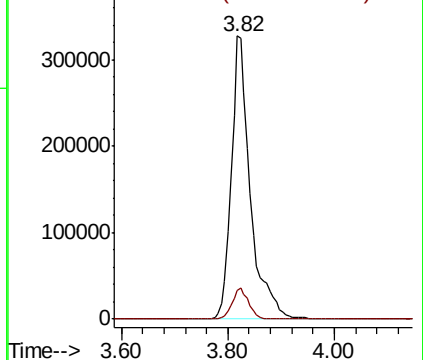
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 20.00 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX004602.D

Acq: 16 Sep 2018 00:00

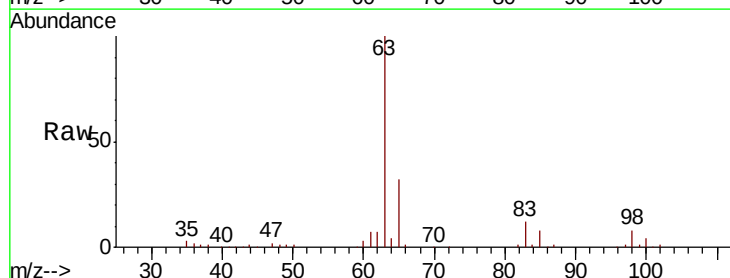
Tgt Ion: 63 Resp: 114571

Ion Ratio Lower Upper

63 100

98 7.6 3.5 10.4

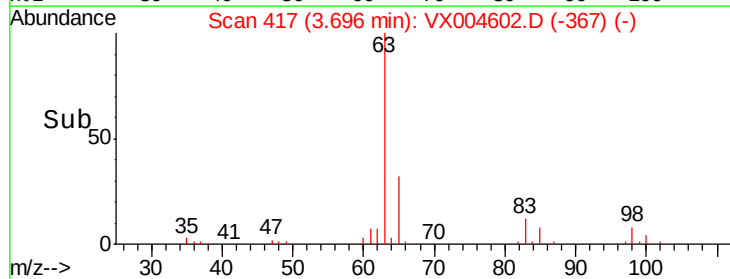
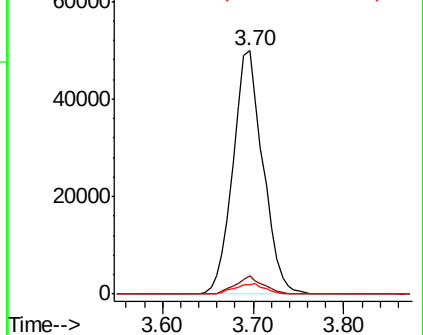
100 4.0 2.4 7.1

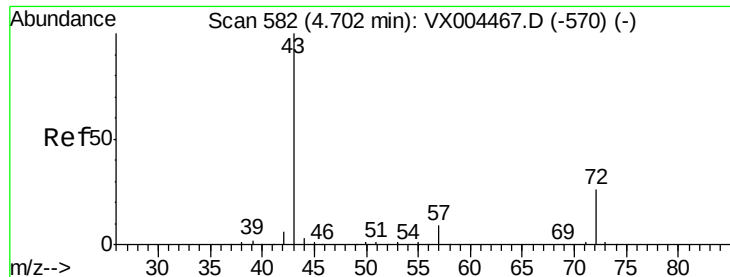


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 89.49 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX004602.D

Acq: 16 Sep 2018 00:00

Instrument :

MSVOA_X

ClientSampleID :

VX0915WBSD02

Tot Ion: 43 Resp: 235042

Ion Ratio Lower Upper

43 100

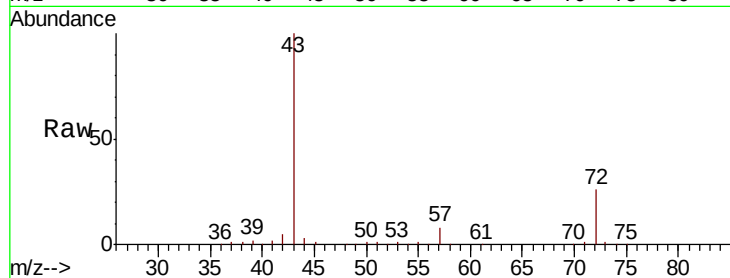
72 26.0 22.0 33.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

100000

80000

60000

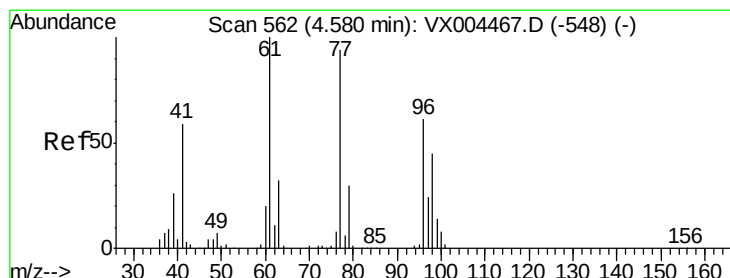
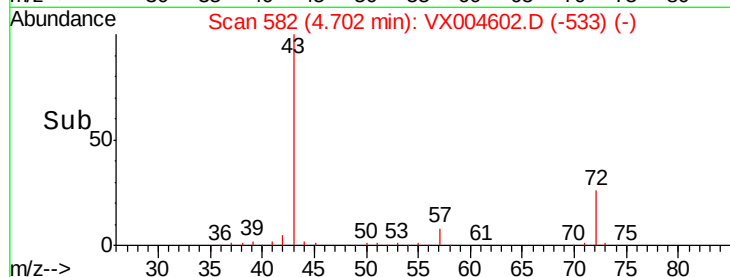
40000

20000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 16.08 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX004602.D

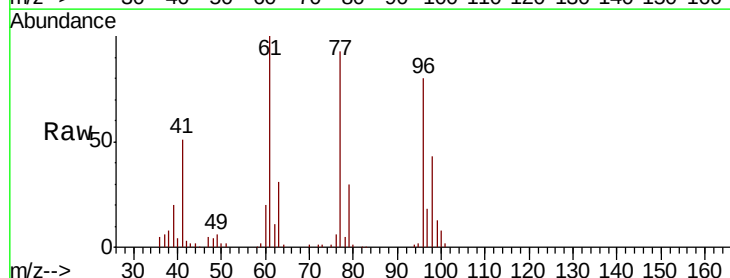
Acq: 16 Sep 2018 00:00

Tgt Ion: 77 Resp: 63247

Ion Ratio Lower Upper

77 100

97 25.3 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

25000

20000

15000

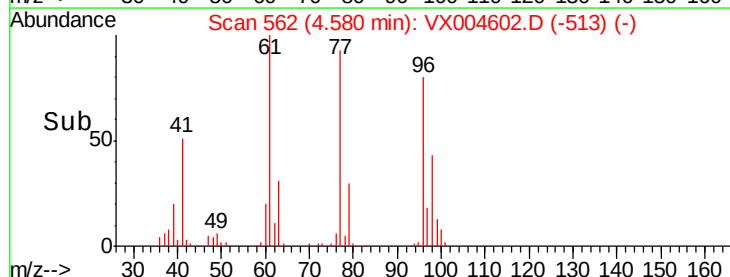
10000

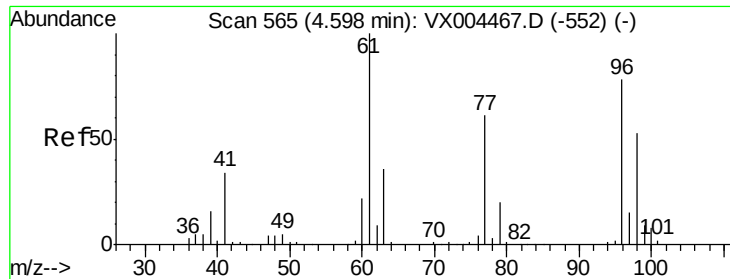
5000

0

4.50 4.60 4.70

Time-->





#27

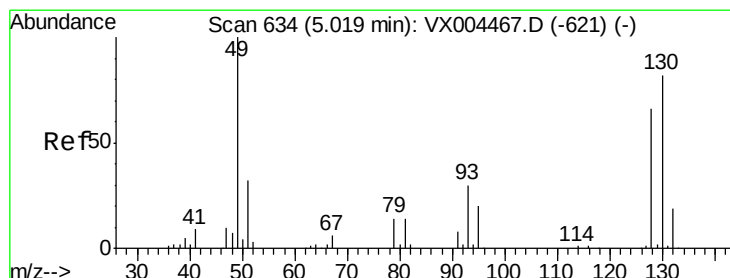
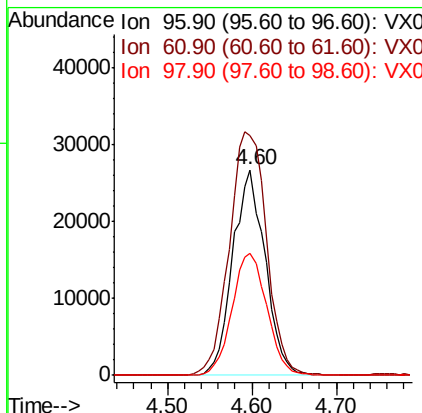
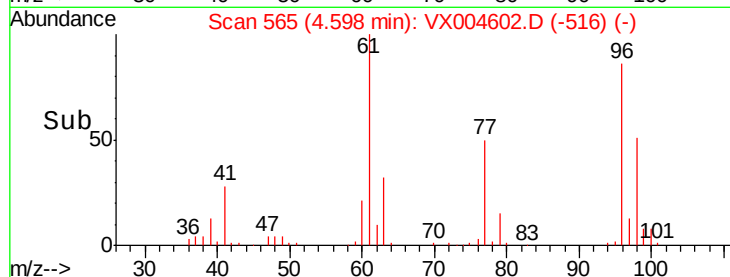
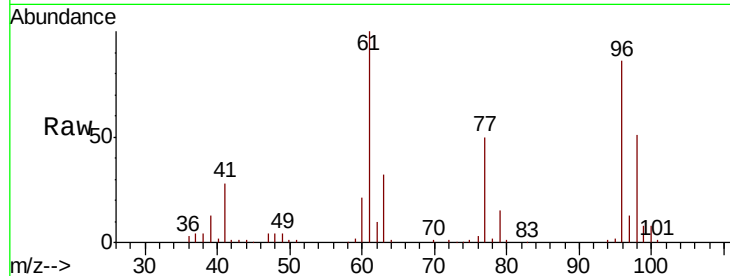
cis-1,2-Dichloroethene
 Concen: 20.59 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX004602.D
 Acq: 16 Sep 2018 00:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0915WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.2	0.0	282.6
98	63.6	0.0	130.2

Manual Integrations
 APPROVED

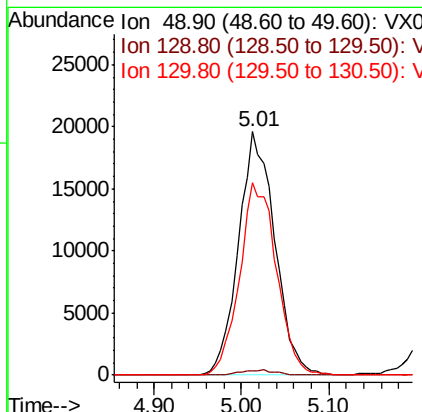
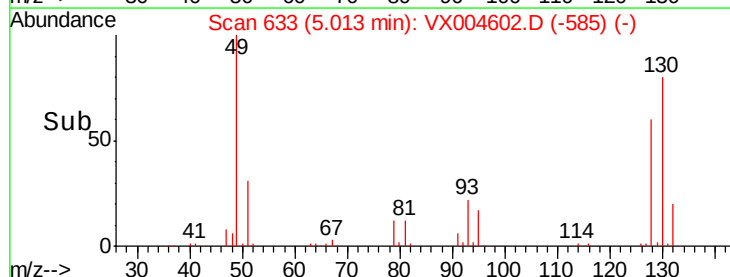
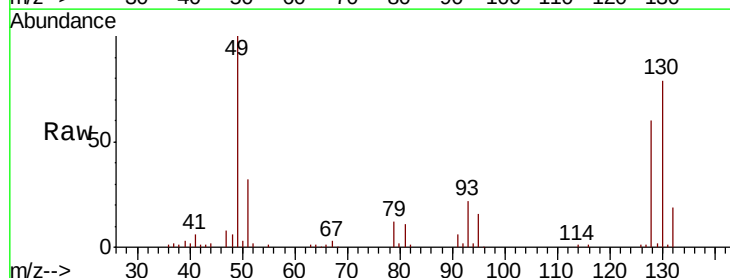
MMDadoda
 9/17/2018 6:27:30 PM

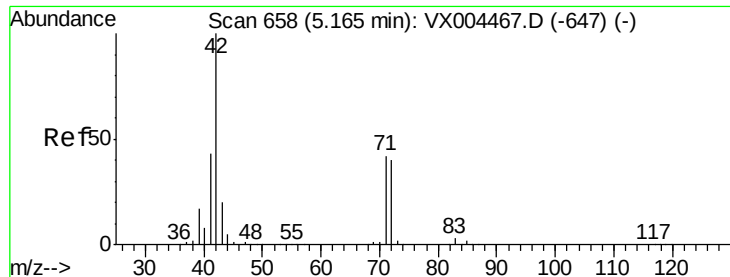


#28

Bromochloromethane
 Concen: 21.56 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: VX004602.D
 Acq: 16 Sep 2018 00:00

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	80.0	67.5	101.3





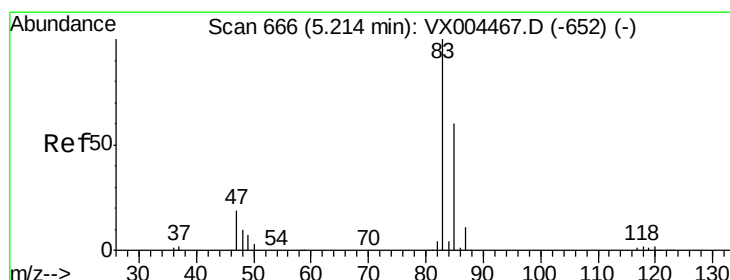
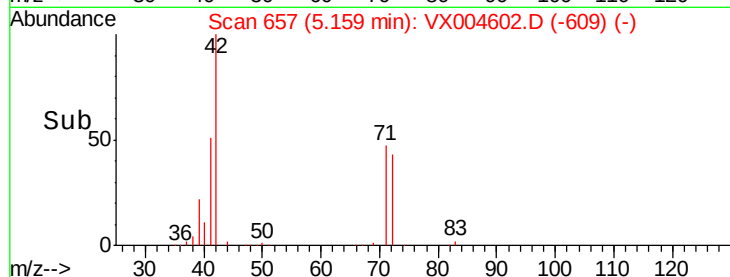
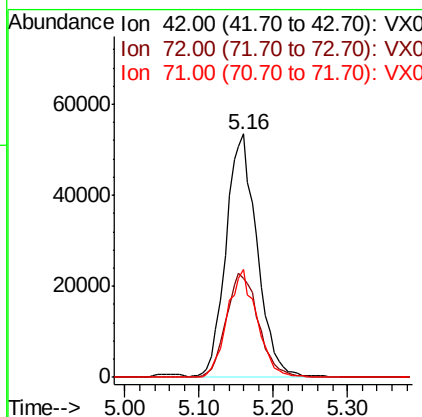
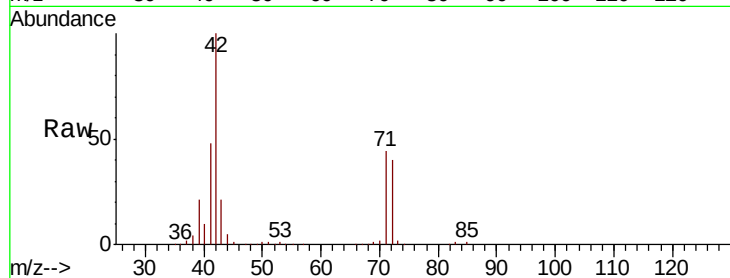
#29
Tetrahydrofuran
Concen: 97.91 ug/l
RT: 5.16 min Scan# 657
Delta R.T. -0.01 min
Lab File: VX004602.D
Acq: 16 Sep 2018 00:00

Instrument :
MSVOA_X
ClientSampled :
VX0915WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.9	37.4	56.0
71	42.7	34.5	51.7

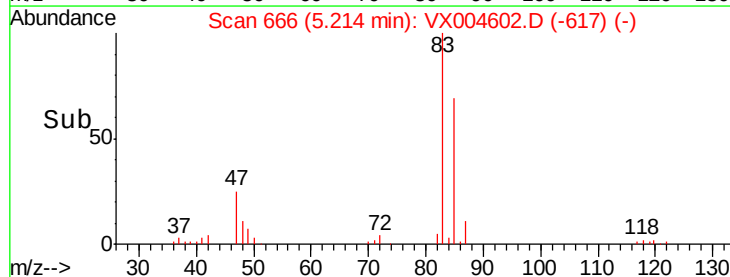
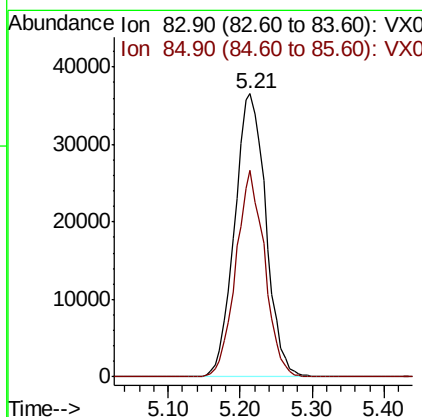
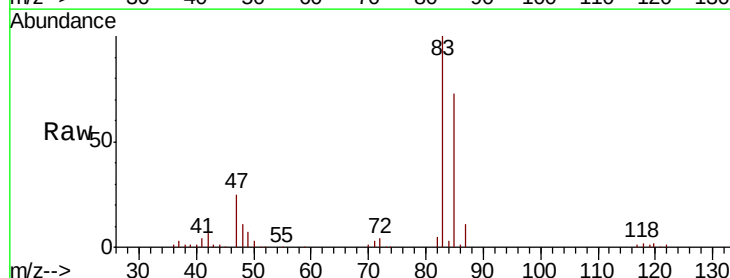
Manual Integrations
APPROVED

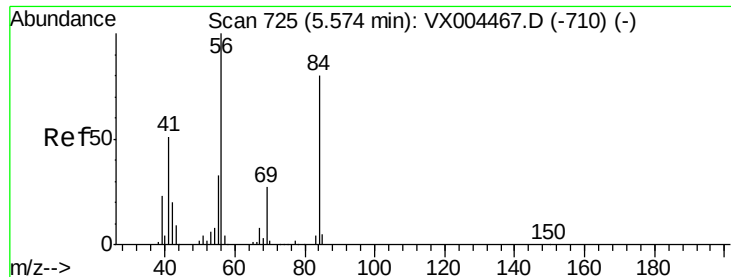
MMDadoda
9/17/2018 6:27:30 PM



#30
Chloroform
Concen: 19.69 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX004602.D
Acq: 16 Sep 2018 00:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	73.0	52.6	79.0





#31

Cyclohexane

Concen: 20.24 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX004602.D

Acq: 16 Sep 2018 00:00

Instrument :

MSVOA_X

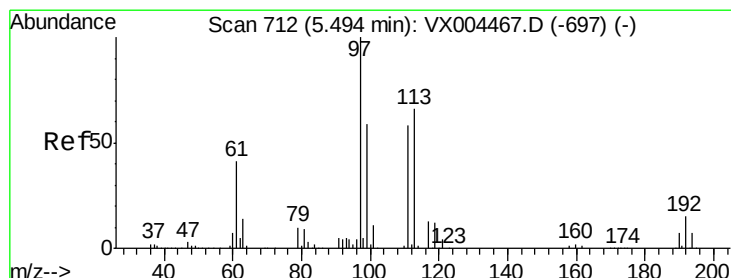
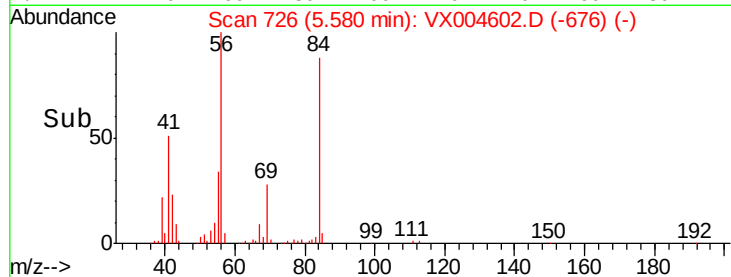
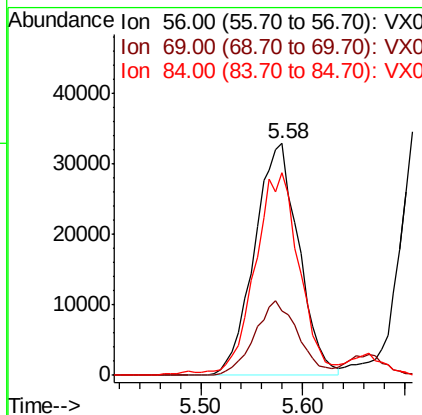
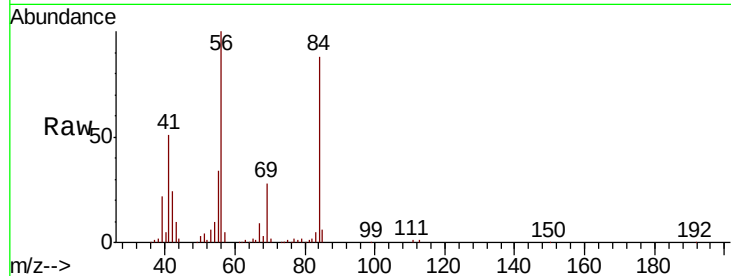
ClientSampleId :

VX0915WBSD02

Tot Ion:	56	Resp:	98977
Ion	Ratio	Lower	Upper
56	100		
69	27.6	25.4	38.2
84	85.8	71.4	107.2

Manual Integrations
APPROVED

MMDadoda
9/17/2018 6:27:30 PM



#32

1,1,1-Trichloroethane

Concen: 20.68 ug/l

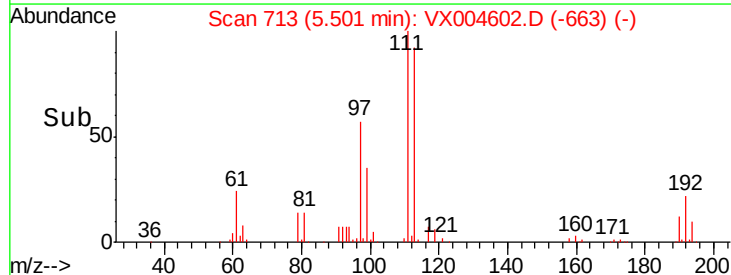
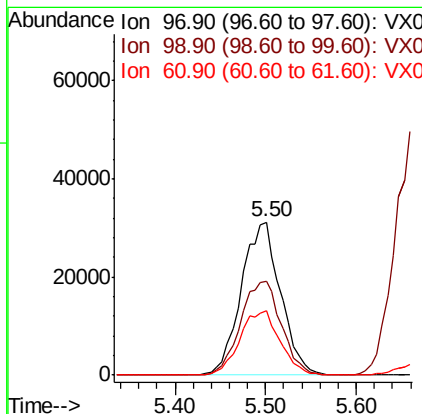
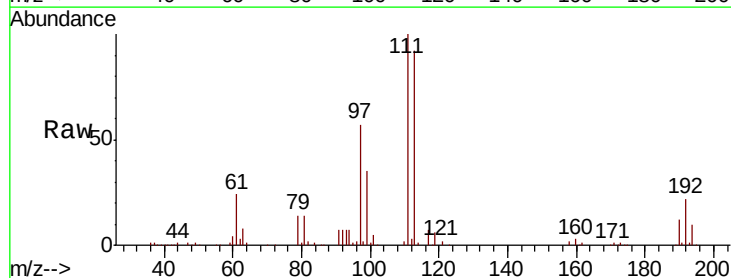
RT: 5.50 min Scan# 713

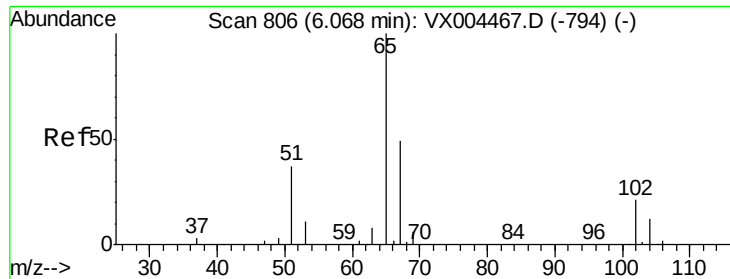
Delta R.T. 0.01 min

Lab File: VX004602.D

Acq: 16 Sep 2018 00:00

Tgt Ion:	97	Resp:	93146
Ion	Ratio	Lower	Upper
97	100		
99	63.9	52.0	78.0
61	43.1	34.9	52.3





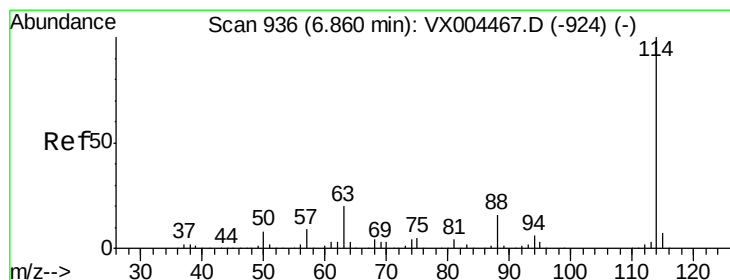
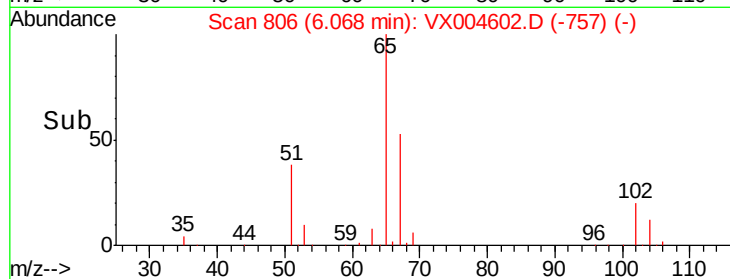
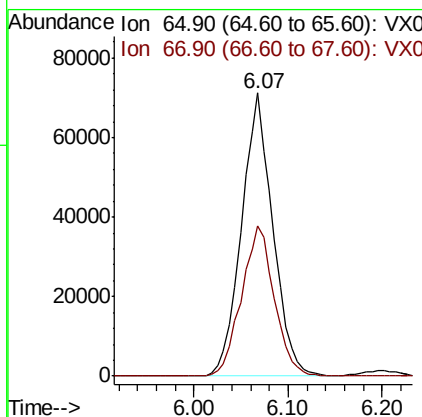
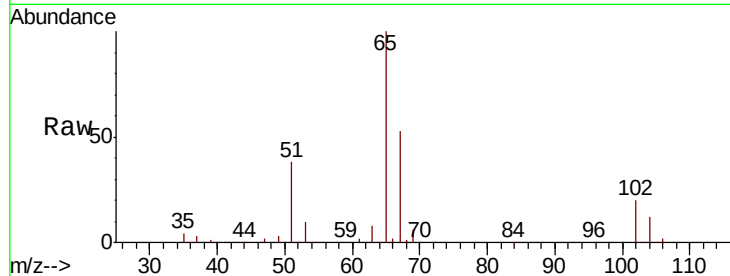
#33
 1,2-Dichloroethane-d4
 Concen: 49.00 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004602.D
 Acq: 16 Sep 2018 00:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0915WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	165661		
67	55.6	0.0	106.8	

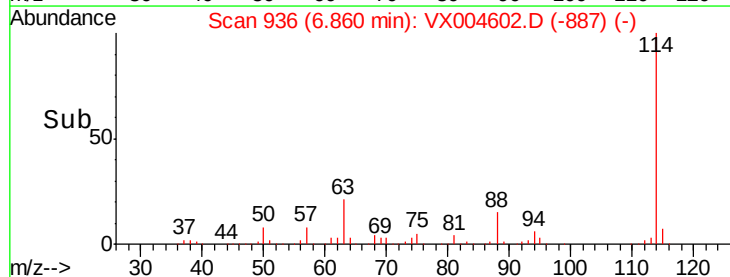
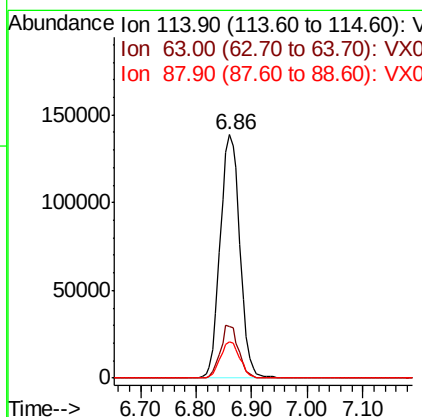
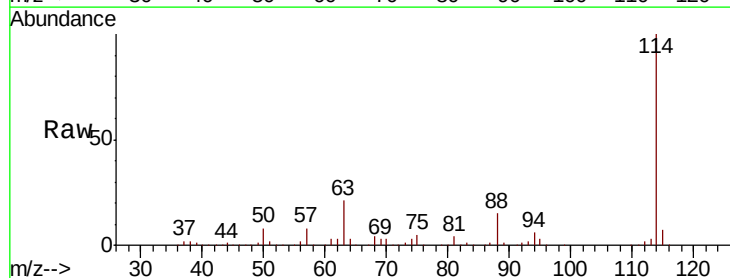
Manual Integrations
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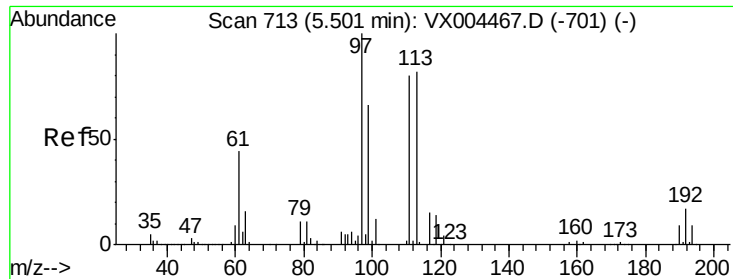
MMDadoda
 9/17/2018 6:27:30 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX004602.D
 Acq: 16 Sep 2018 00:00

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	339291		
63	21.3	0.0	39.0	
88	15.1	0.0	30.4	





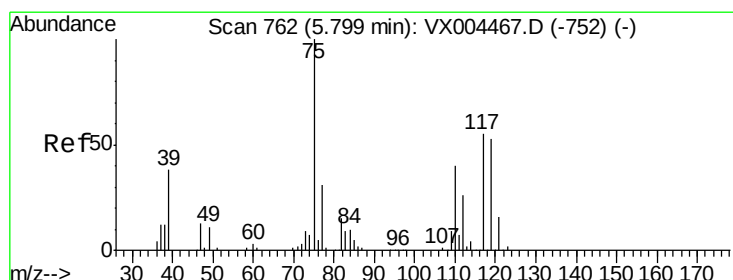
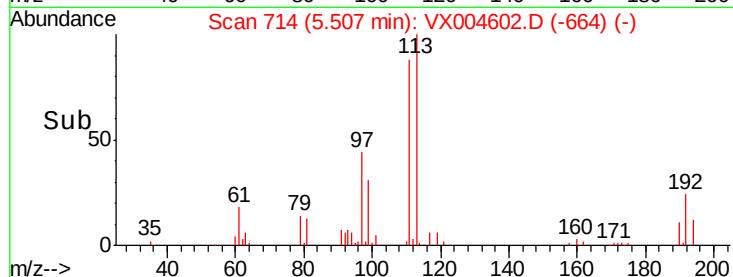
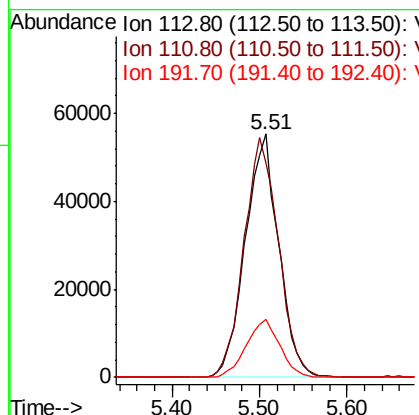
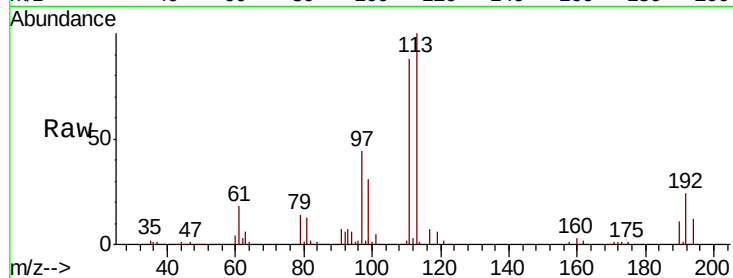
#35
 Dibromofluoromethane
 Concen: 47.23 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX004602.D
 Acq: 16 Sep 2018 00:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0915WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	146656		
111	102.0	82.4	123.6	
192	23.9	19.4	29.2	

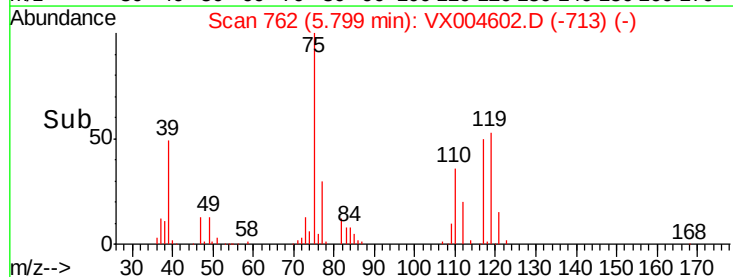
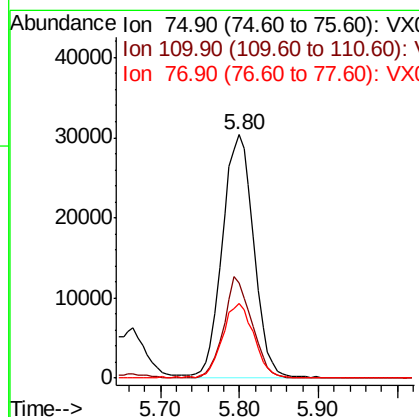
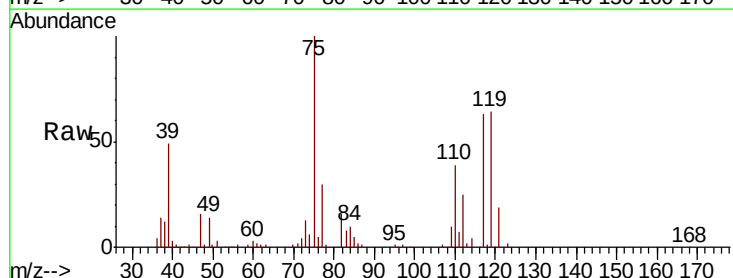
Manual Integrations
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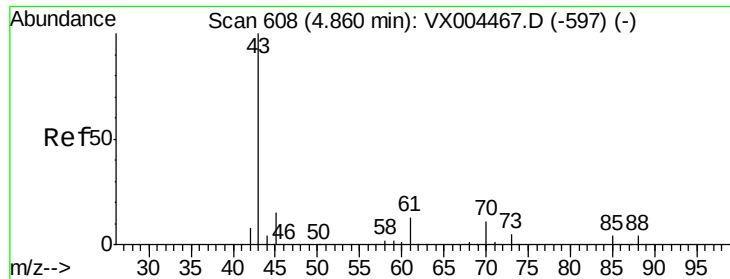
MMDadoda
 9/17/2018 6:27:30 PM



#36
 1,1-Dichloropropene
 Concen: 20.50 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX004602.D
 Acq: 16 Sep 2018 00:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	84455		
110	37.2	18.0	54.0	
77	30.8	24.6	36.8	





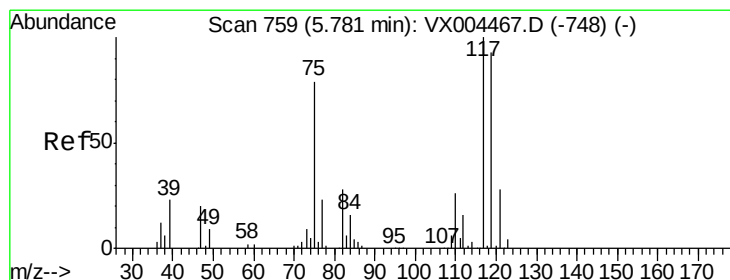
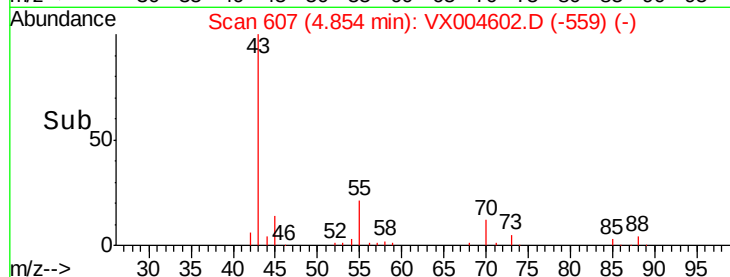
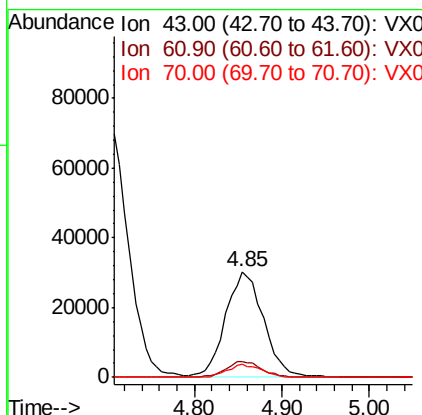
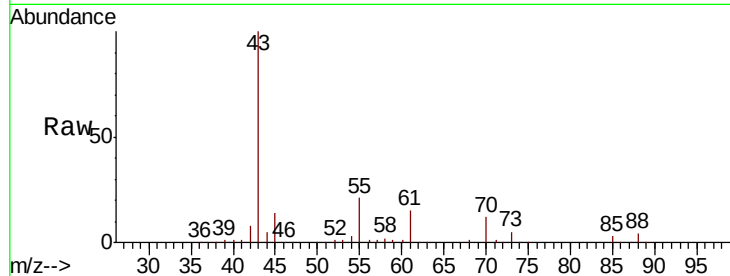
#37
Ethyl Acetate
Concen: 19.11 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX004602.D
Acq: 16 Sep 2018 00:00

Instrument :
MSVOA_X
ClientSampleId :
VX0915WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.5	17.3
70	11.5	9.0	13.6

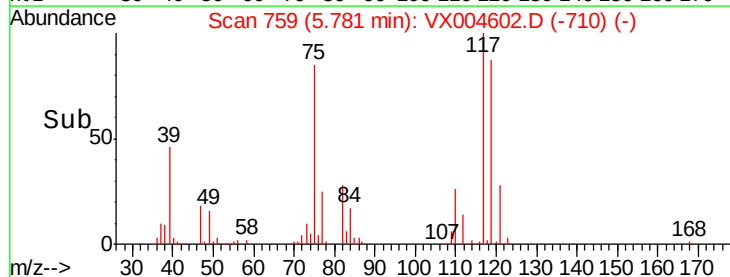
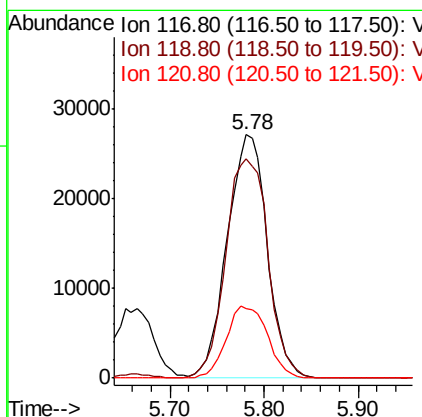
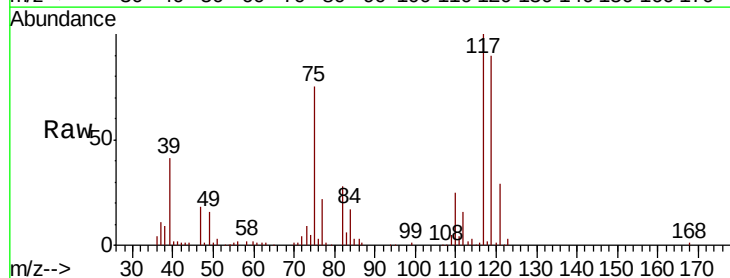
Manual Integrations
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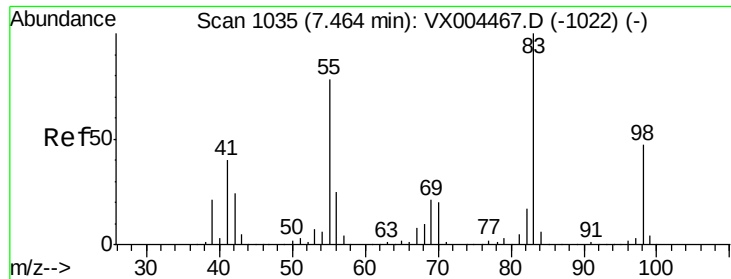
MMDadoda
9/17/2018 6:27:30 PM



#38
Carbon Tetrachloride
Concen: 19.94 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX004602.D
Acq: 16 Sep 2018 00:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	89.9	78.8	118.2
121	28.8	24.9	37.3





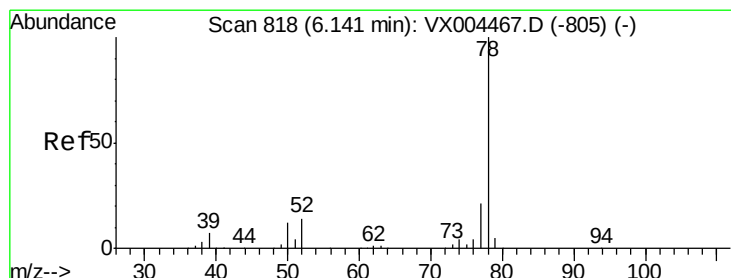
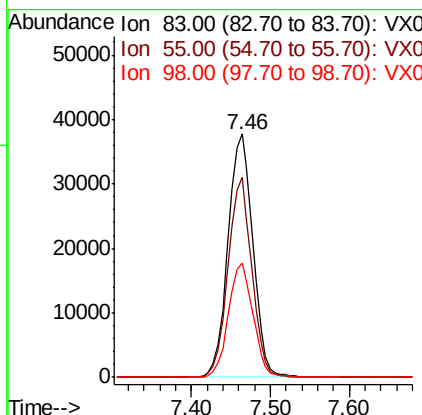
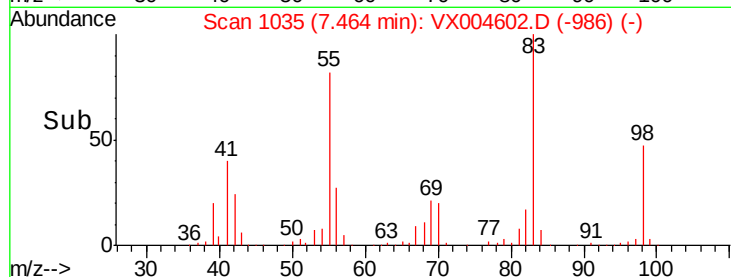
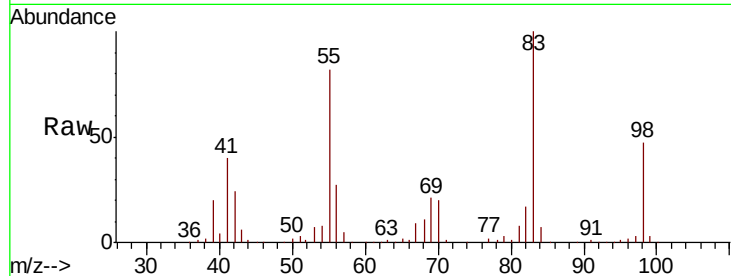
#39
Methylvlcyclohexane
Concen: 19.30 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX004602.D
Acq: 16 Sep 2018 00:00

Instrument :
MSVOA_X
ClientSampleId :
VX0915WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.0	61.0	91.4
98	47.1	39.6	59.4

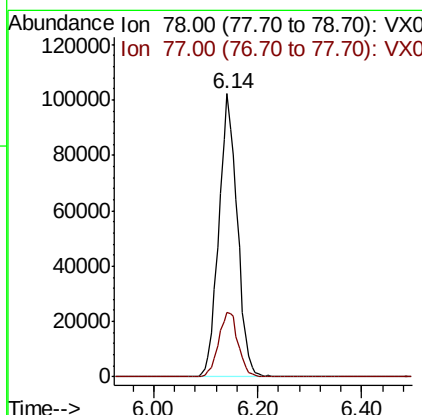
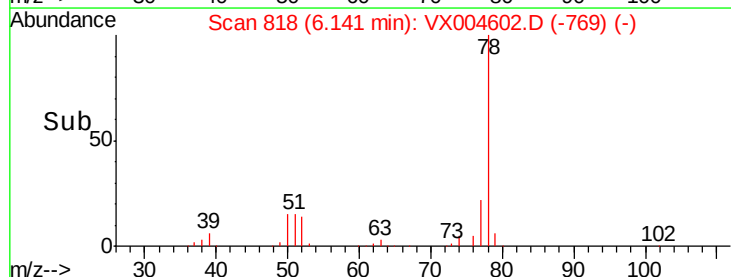
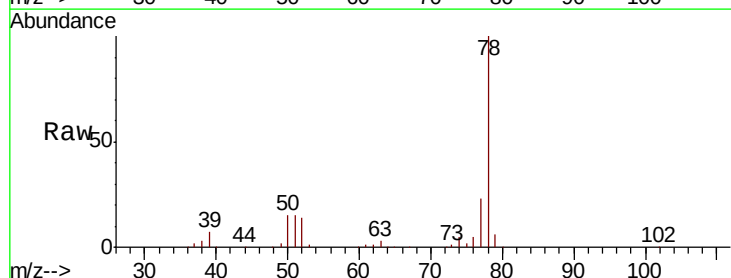
Manual Integrations
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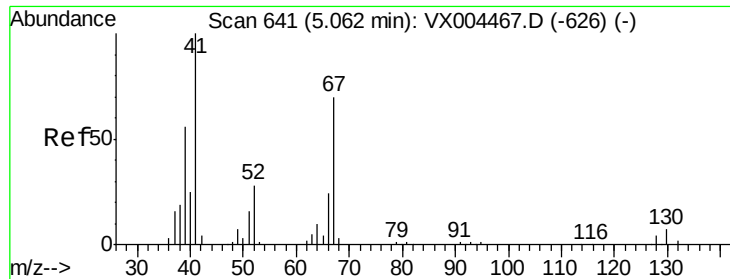
MMDadoda
9/17/2018 6:27:30 PM



#40
Benzene
Concen: 20.86 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX004602.D
Acq: 16 Sep 2018 00:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	19.0	28.4





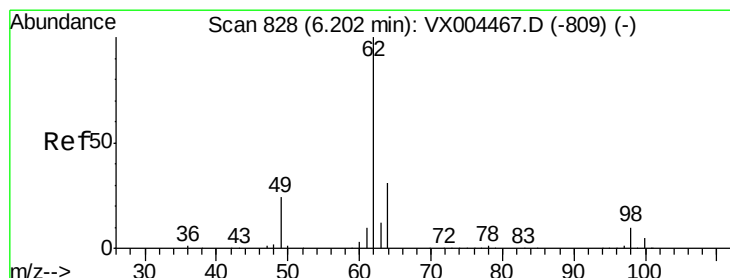
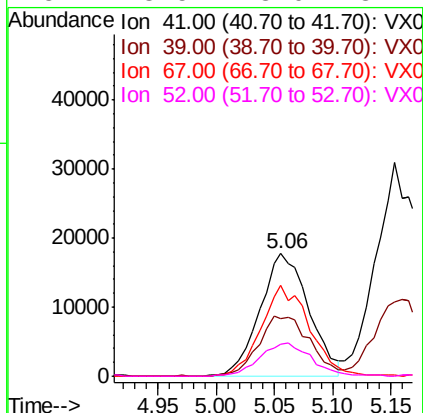
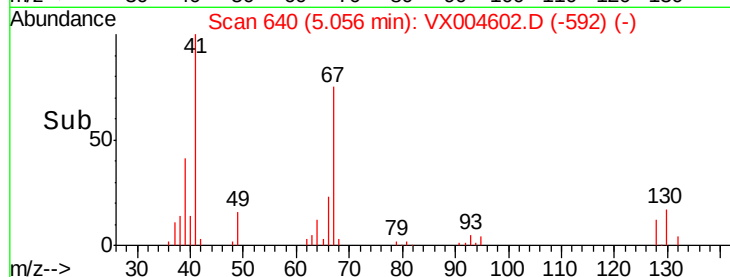
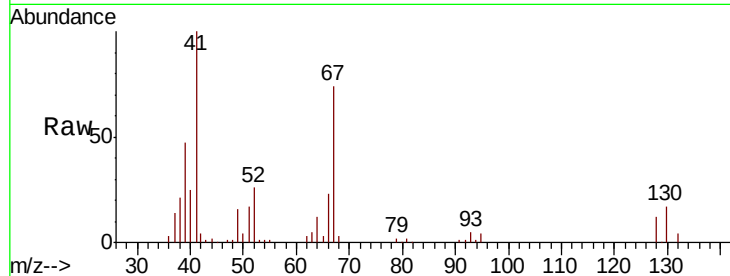
#41
Methacrylonitrile
Concen: 20.07 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX004602.D
Acq: 16 Sep 2018 00:00

Instrument :
MSVOA_X
ClientSampleId :
VX0915WBSD02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.8	42.4	63.6	
67	73.1	59.2	88.8	
52	28.5	23.0	34.4	

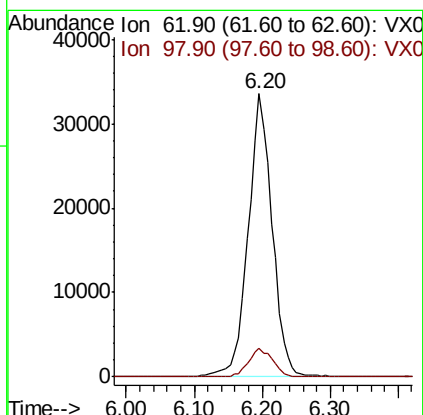
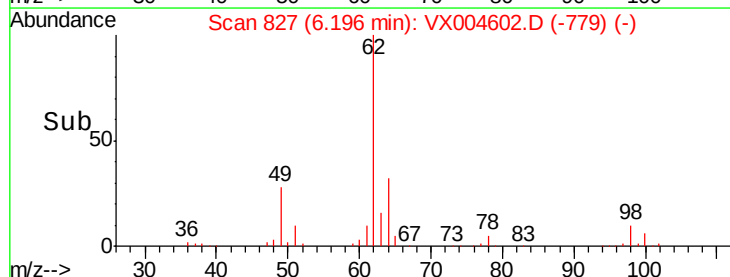
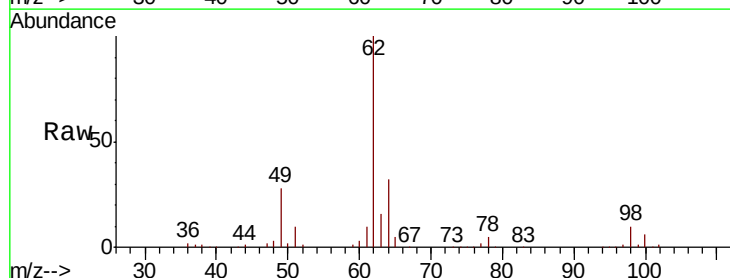
Manual Integrations
APPROVED

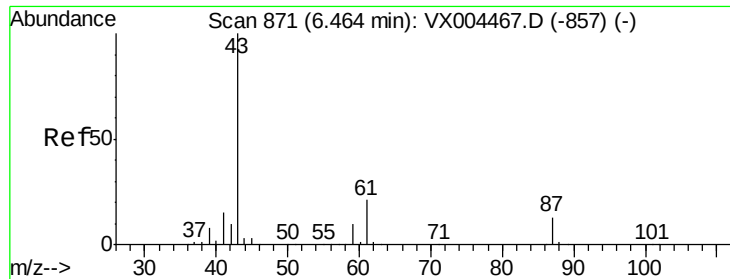
MMDadoda
9/17/2018 6:27:30 PM



#42
1,2-Dichloroethane
Concen: 20.30 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.01 min
Lab File: VX004602.D
Acq: 16 Sep 2018 00:00

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.2	0.0	20.6	





#43

Isopropyl Acetate

Concen: 20.53 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.00 min

Lab File: VX004602.D

Acq: 16 Sep 2018 00:00

Instrument :

MSVOA_X

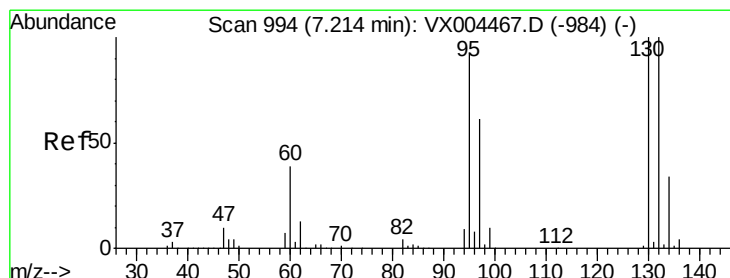
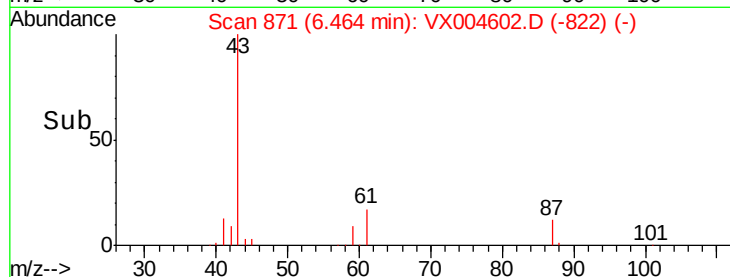
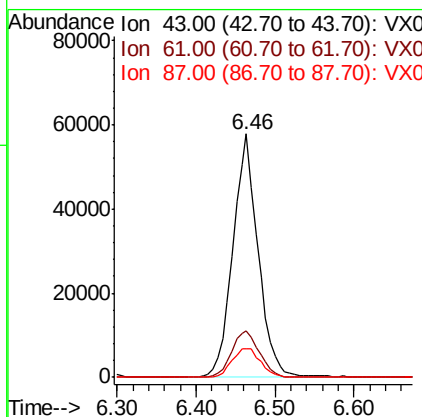
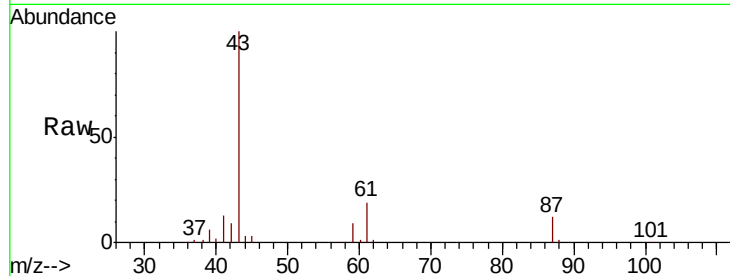
ClientSampleId :

VX0915WBSD02

Tot Ion:	43	Resp:	127747
Ion	Ratio	Lower	Upper
43	100		
61	21.1	17.0	25.4
87	13.6	11.4	17.2

Manual Integrations
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#44

Trichloroethene

Concen: 18.98 ug/l

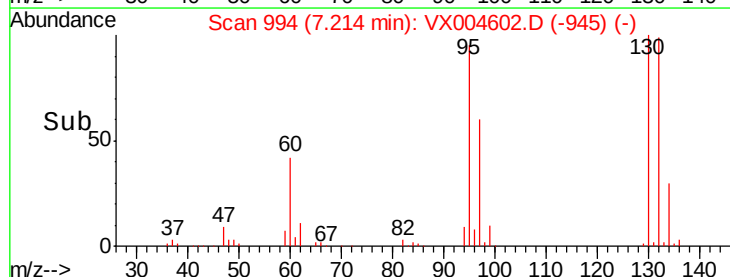
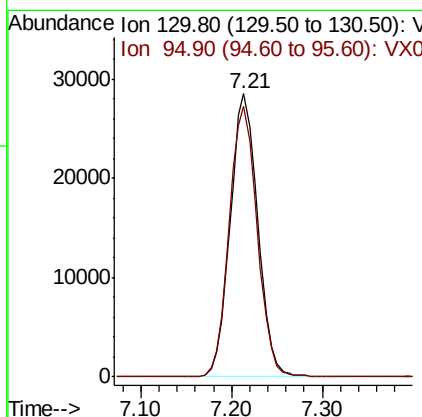
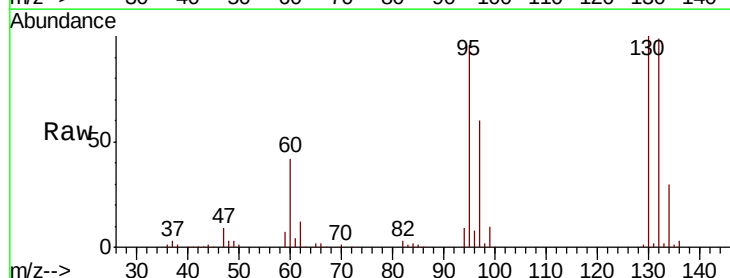
RT: 7.21 min Scan# 994

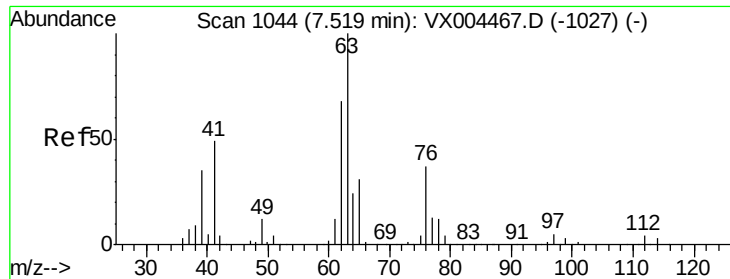
Delta R.T. -0.00 min

Lab File: VX004602.D

Acq: 16 Sep 2018 00:00

Tgt Ion:	130	Resp:	60261
Ion	Ratio	Lower	Upper
130	100		
95	95.7	0.0	181.6





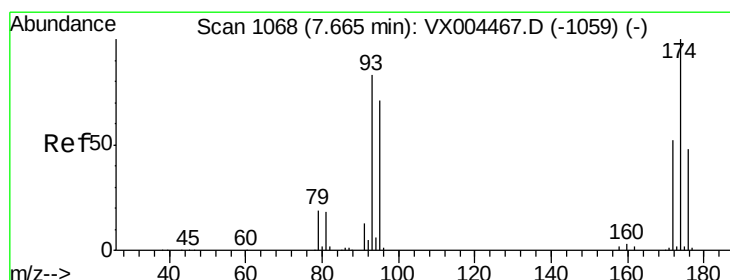
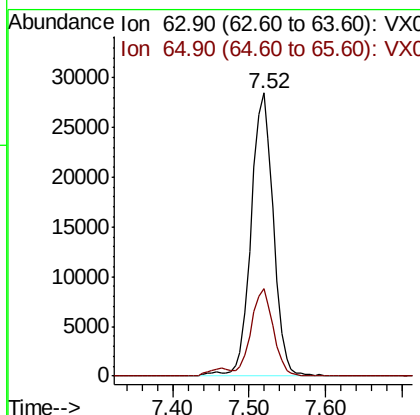
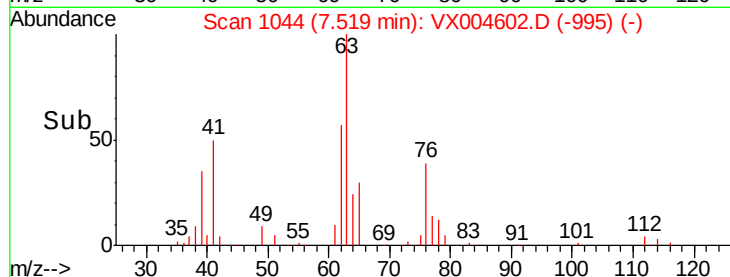
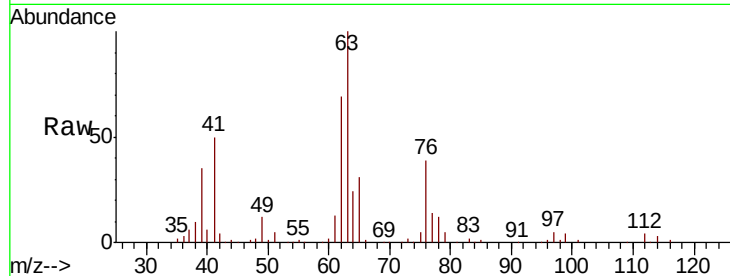
#45
 1,2-Dichloropropane
 Concen: 19.75 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.00 min
 Lab File: VX004602.D
 Acq: 16 Sep 2018 00:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0915WBSD02

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.1	24.3	36.5

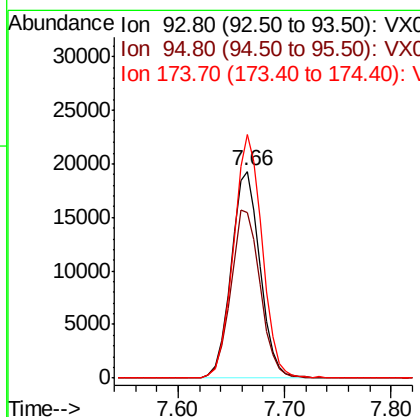
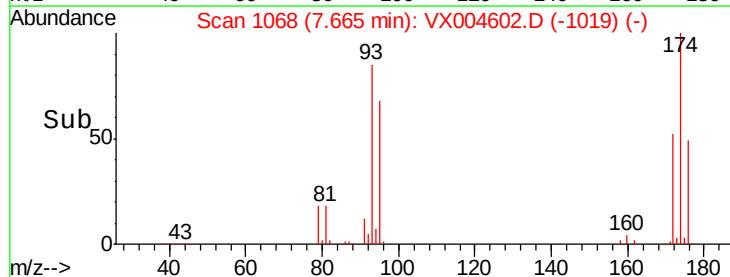
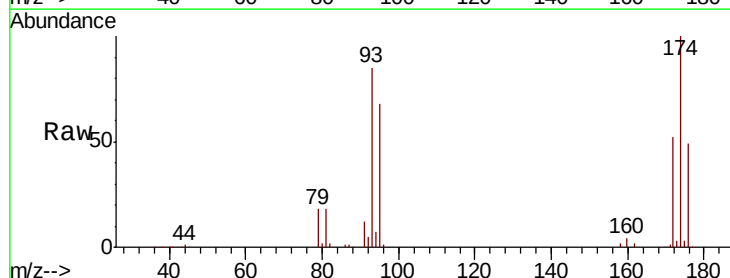
Manual Integrations
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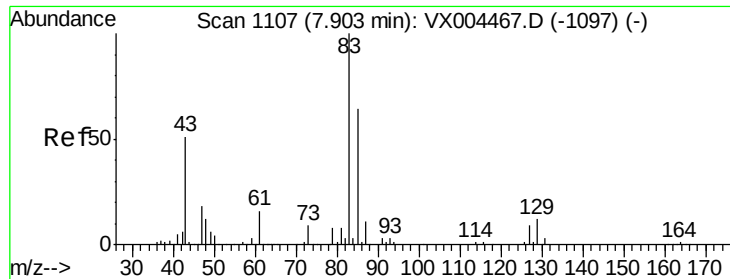
MMDadoda
 9/17/2018 6:27:30 PM



#46
 Dibromomethane
 Concen: 19.69 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VX004602.D
 Acq: 16 Sep 2018 00:00

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.0	65.5	98.3
174	117.0	94.2	141.4





#47

Bromodichloromethane

Concen: 19.25 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VX004602.D

Acq: 16 Sep 2018 00:00

Instrument :

MSVOA_X

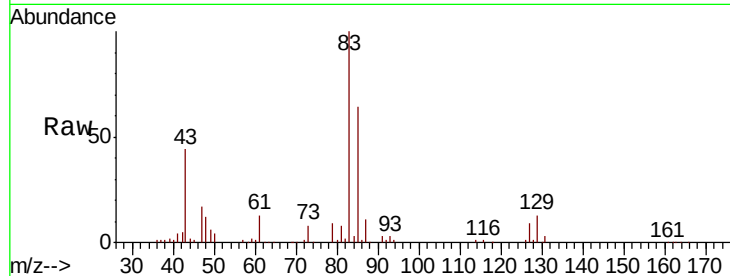
ClientSampleID :

VX0915WBSD02

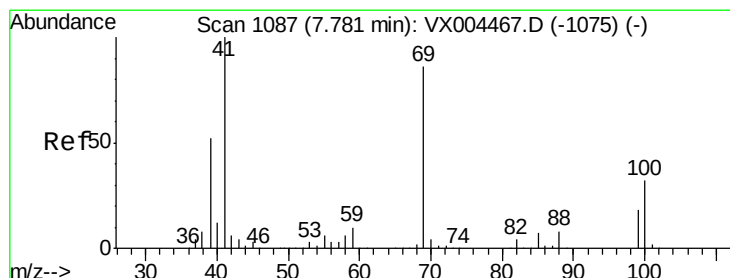
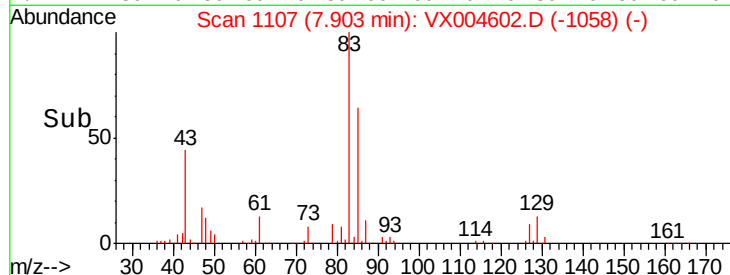
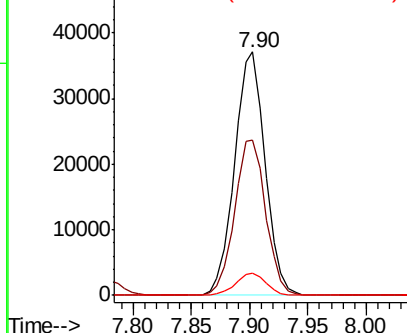
Tot Ion:	83	Resp:	67628
Ion	Ratio	Lower	Upper
83	100		
85	63.7	50.9	76.3
127	9.2	7.3	10.9

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



#48

Methyl methacrylate

Concen: 19.46 ug/l

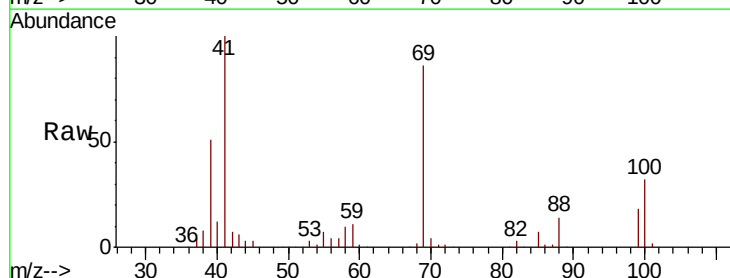
RT: 7.77 min Scan# 1086

Delta R.T. -0.01 min

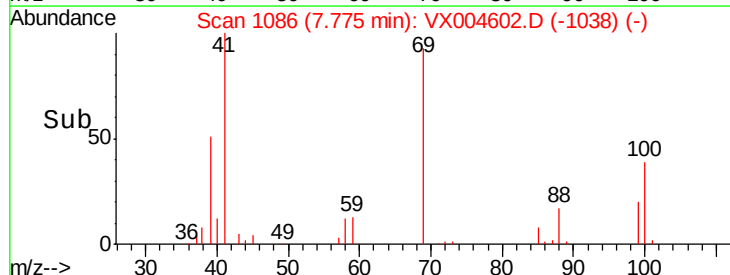
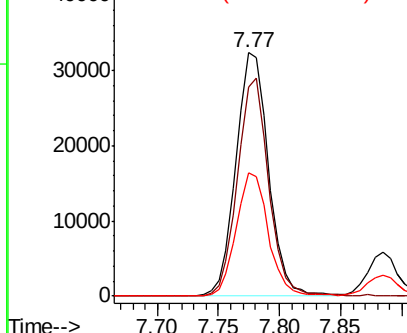
Lab File: VX004602.D

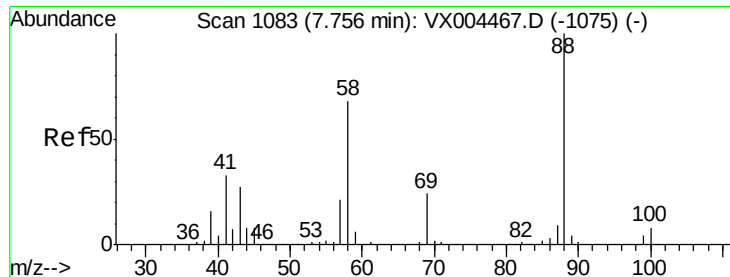
Acq: 16 Sep 2018 00:00

Tgt Ion:	41	Resp:	59932
Ion	Ratio	Lower	Upper
41	100		
69	85.8	70.2	105.4
39	50.0	42.7	64.1



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





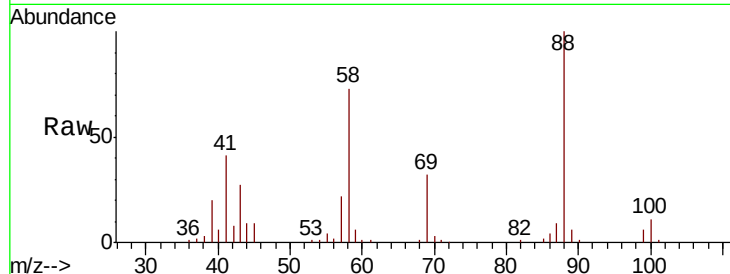
#49
1,4-Dioxane
Concen: 392.86 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.00 min
Lab File: VX004602.D
Acq: 16 Sep 2018 00:00

Instrument :
MSVOA_X
ClientSampleId :
VX0915WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.8	24.7	37.1
58	72.2	55.3	82.9

Manual Integrations
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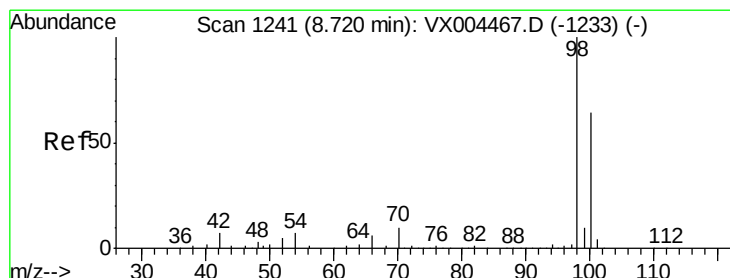
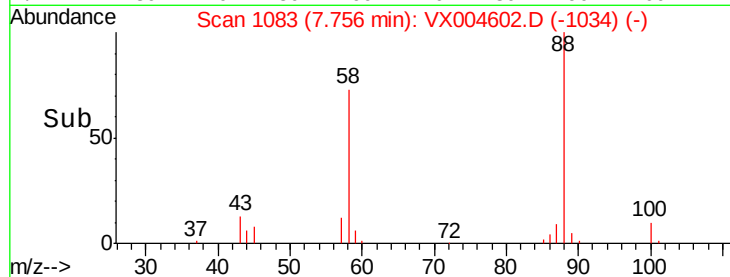
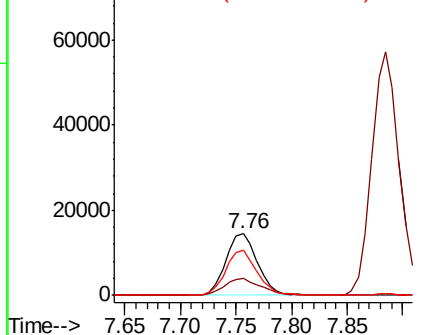


Abundance

Ion 88.00 (87.70 to 88.70): VX0

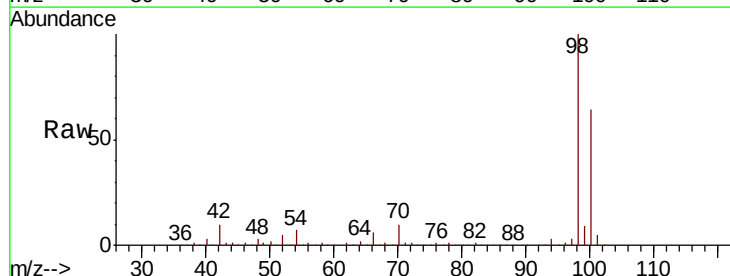
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 47.09 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX004602.D
Acq: 16 Sep 2018 00:00

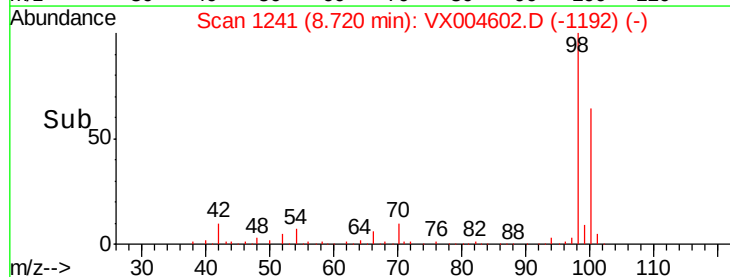
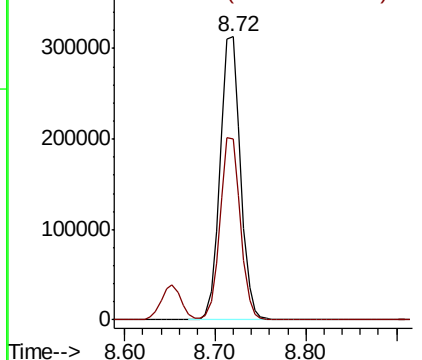
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.9	79.3

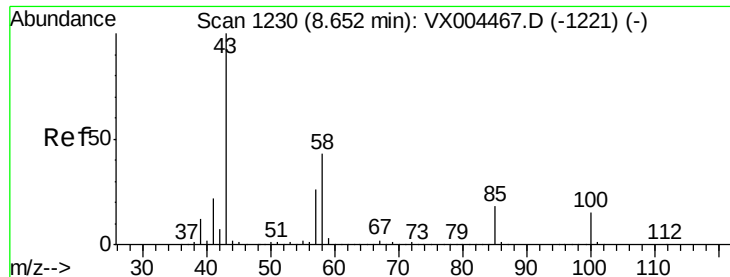


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





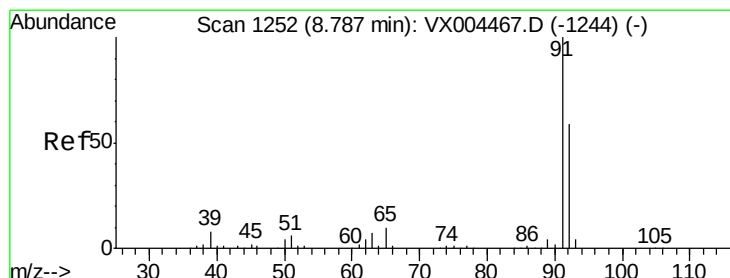
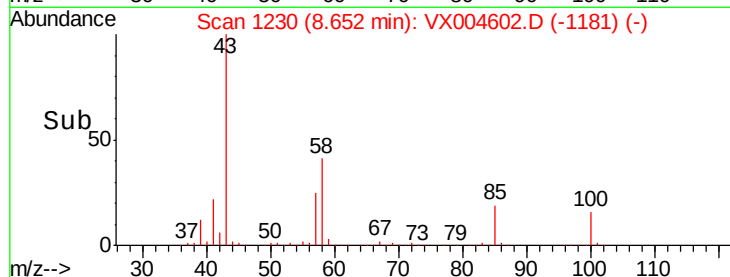
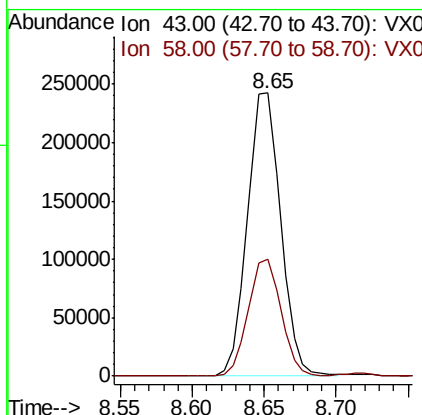
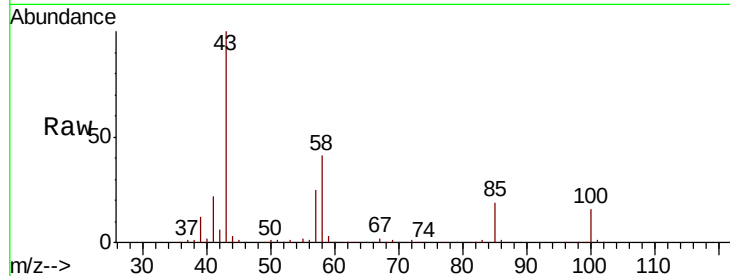
#51
 4-Methyl-2-Pentanone
 Concen: 88.27 ug/l
 RT: 8.65 min Scan# 1230
 Delta R.T. -0.00 min
 Lab File: VX004602.D
 Acq: 16 Sep 2018 00:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0915WBSD02

Tot Ion: 43 Resp: 387633
 Ion Ratio Lower Upper
 43 100
 58 40.7 33.1 49.7

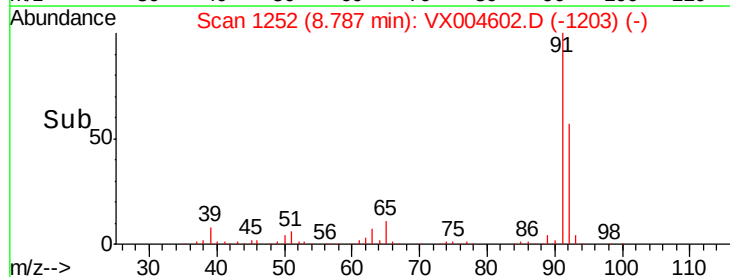
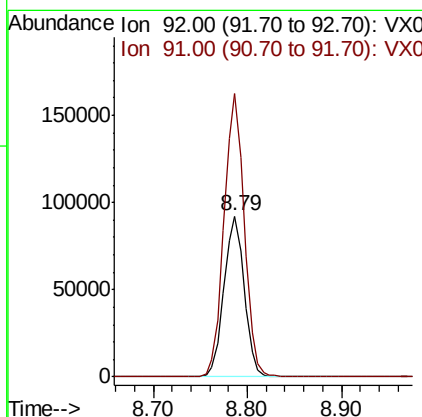
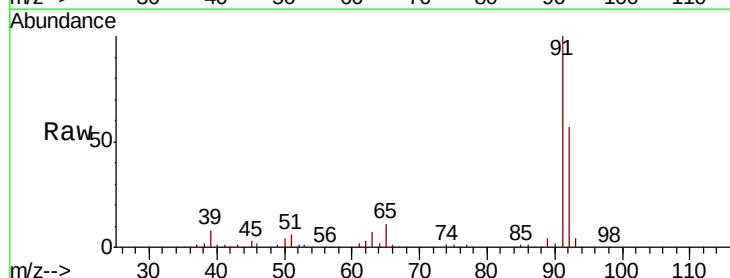
Manual Integrations
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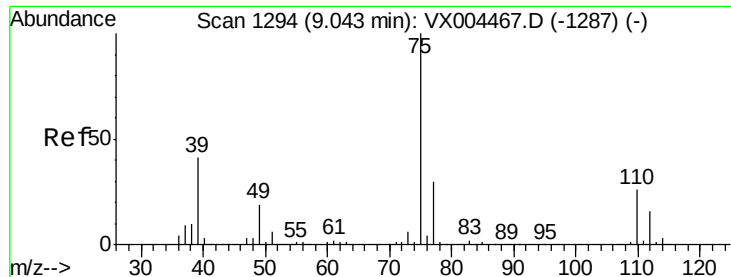
MMDadoda
 9/17/2018 6:27:30 PM



#52
 Toluene
 Concen: 19.21 ug/l
 RT: 8.79 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VX004602.D
 Acq: 16 Sep 2018 00:00

Tgt Ion: 92 Resp: 138295
 Ion Ratio Lower Upper
 92 100
 91 175.1 136.4 204.6





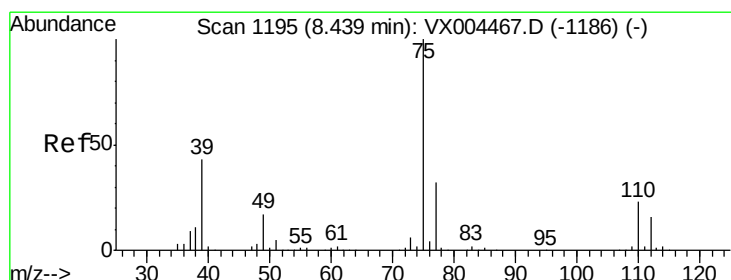
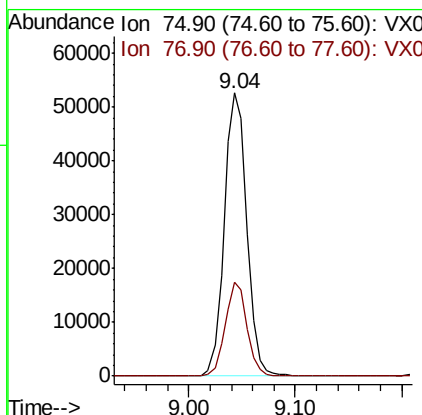
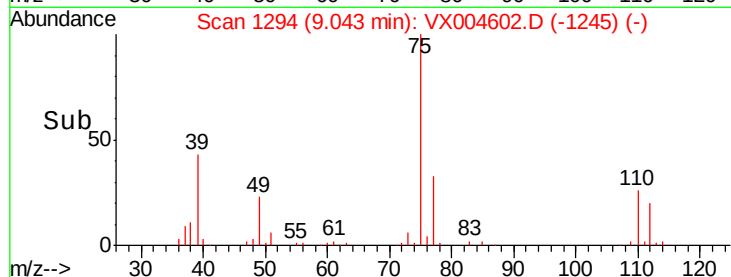
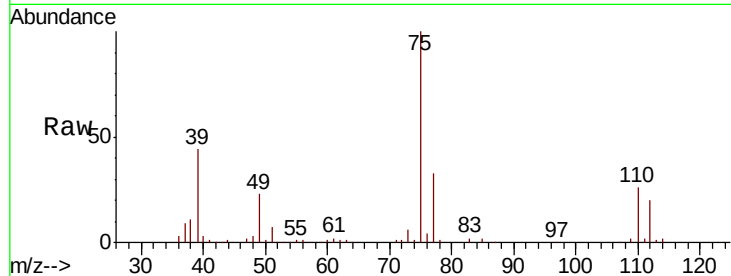
#53
 t-1,3-Dichloropropene
 Concen: 18.93 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. 0.00 min
 Lab File: VX004602.D
 Acq: 16 Sep 2018 00:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0915WBSD02

Tot Ion: 75 Resp: 77686
 Ion Ratio Lower Upper
 75 100
 77 33.0 24.6 37.0

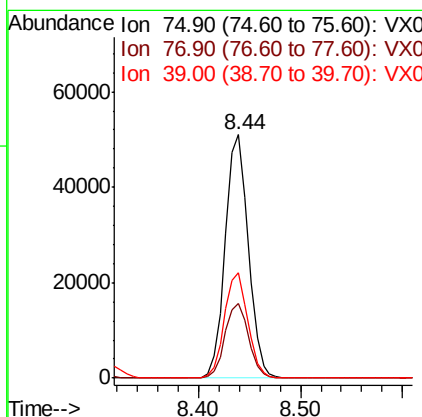
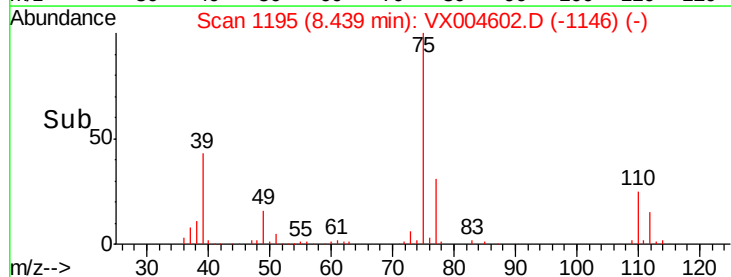
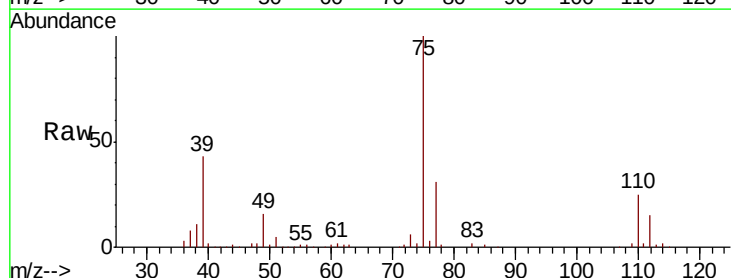
Manual Integrations
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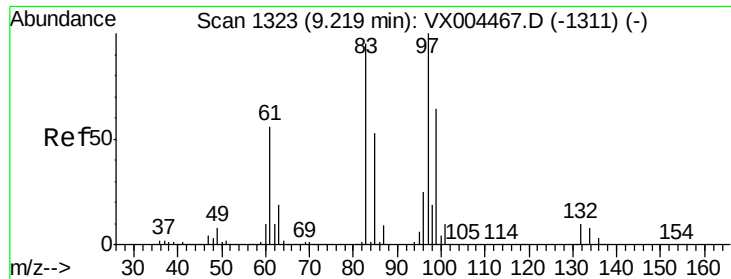
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 19.12 ug/l
 RT: 8.44 min Scan# 1195
 Delta R.T. 0.00 min
 Lab File: VX004602.D
 Acq: 16 Sep 2018 00:00

Tgt Ion: 75 Resp: 80012
 Ion Ratio Lower Upper
 75 100
 77 30.7 26.2 39.2
 39 43.1 36.4 54.6





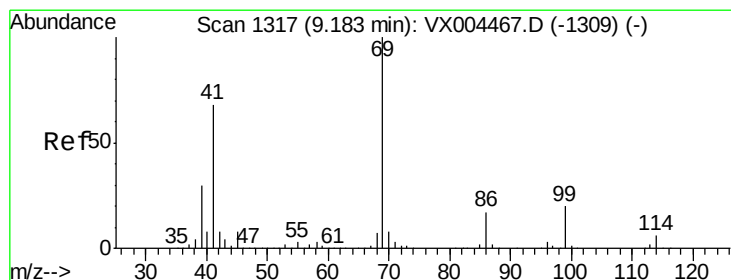
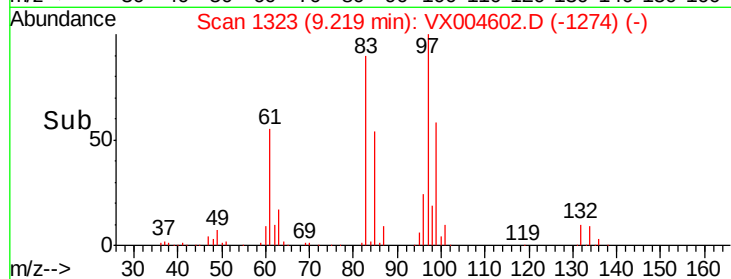
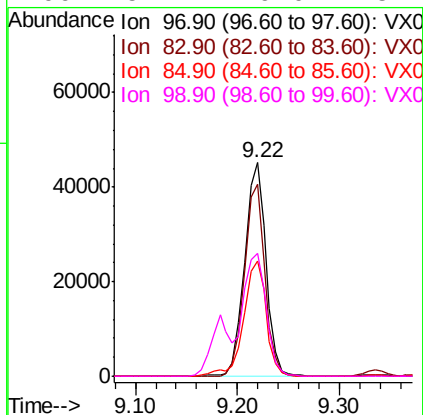
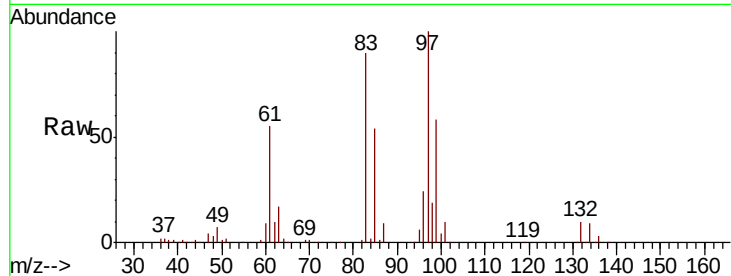
#55
 1,1,2-Trichloroethane
 Concen: 21.07 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VX004602.D
 Acq: 16 Sep 2018 00:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0915WBSD02

Tot Ion:	97	Resp:	65323
Ion	Ratio	Lower	Upper
97	100		
83	90.0	66.4	99.6
85	53.8	43.3	64.9
99	57.7	49.0	73.4

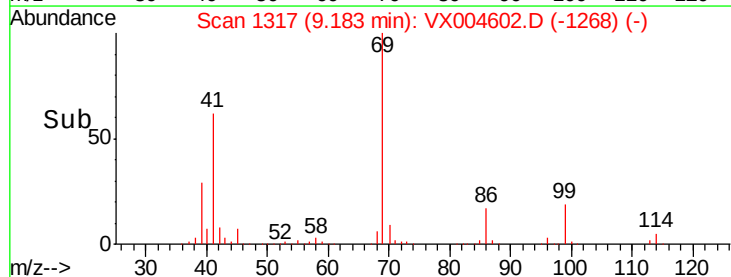
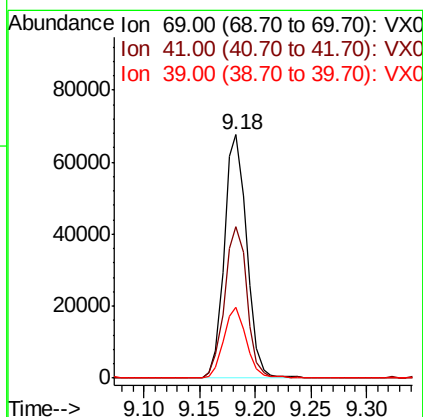
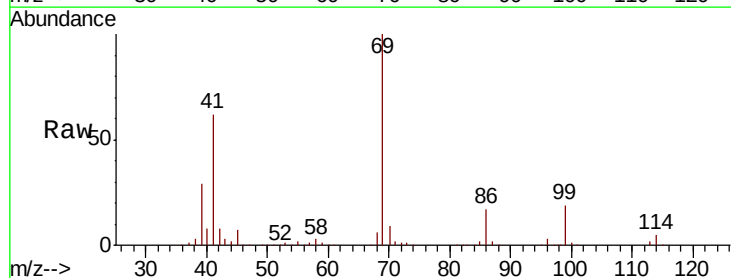
Manual Integrations
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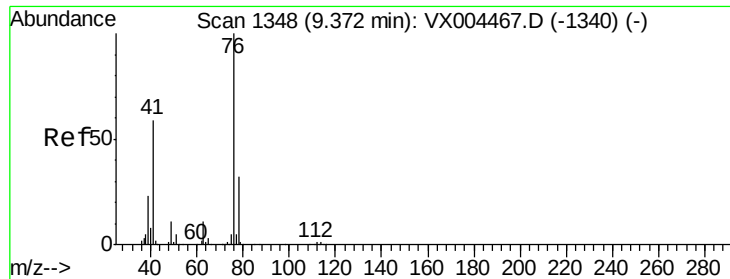
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 9/17/2018 6:27:30 PM



#56
 Ethyl methacrylate
 Concen: 21.55 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX004602.D
 Acq: 16 Sep 2018 00:00

Tgt Ion:	69	Resp:	94543
Ion	Ratio	Lower	Upper
69	100		
41	63.0	51.0	76.4
39	29.2	26.1	39.1





#57

1,3-Dichloropropane

Concen: 21.44 ug/l

RT: 9.38 min Scan# 1349

Delta R.T. 0.01 min

Lab File: VX004602.D

Acq: 16 Sep 2018 00:00

Instrument :

MSVOA_X

ClientSampleId :

VX0915WBSD02

Tot Ion: 76 Resp: 108002

Ion Ratio Lower Upper

76 100

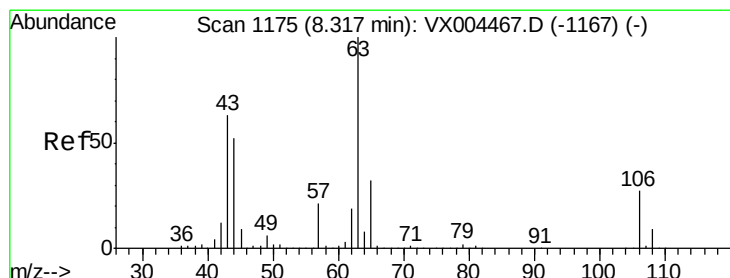
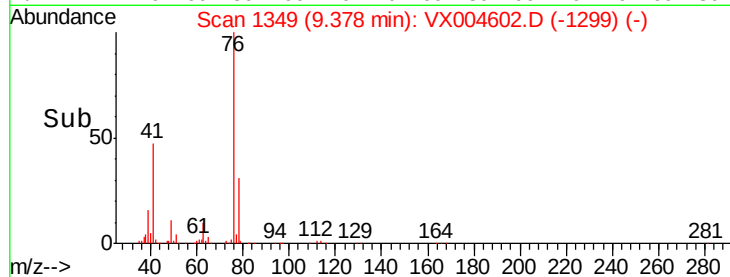
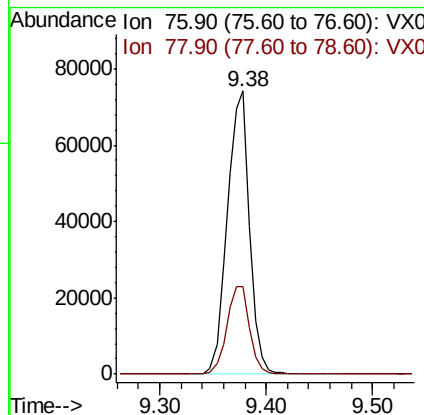
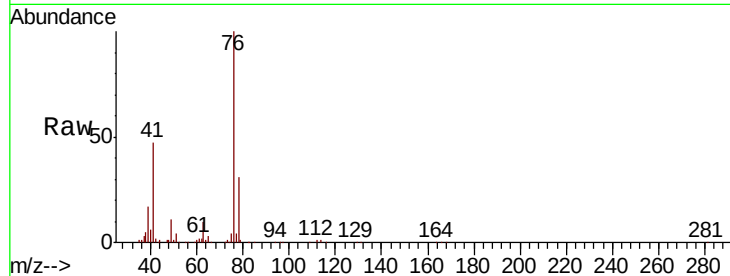
78 31.9 25.5 38.3

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 95.59 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VX004602.D

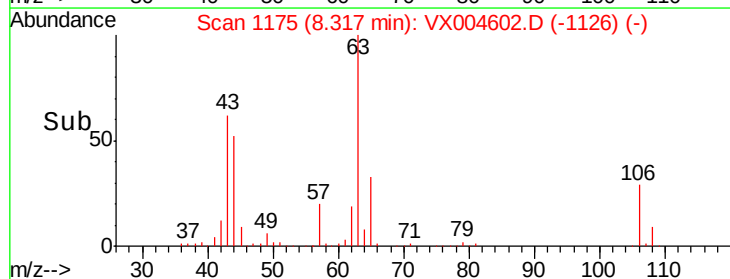
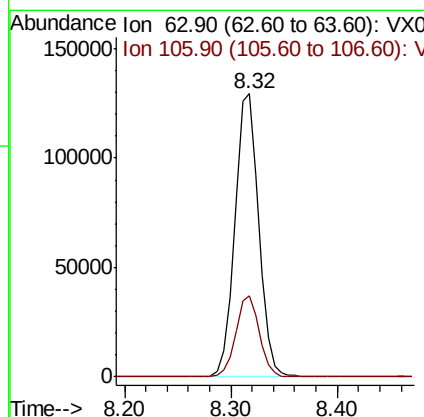
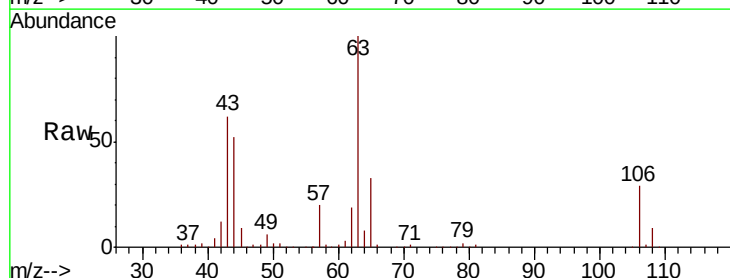
Acq: 16 Sep 2018 00:00

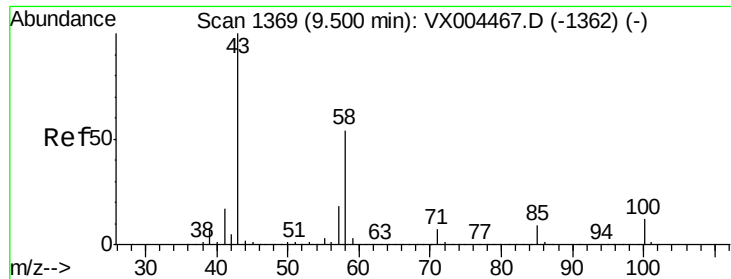
Tgt Ion: 63 Resp: 203280

Ion Ratio Lower Upper

63 100

106 28.3 23.9 35.9





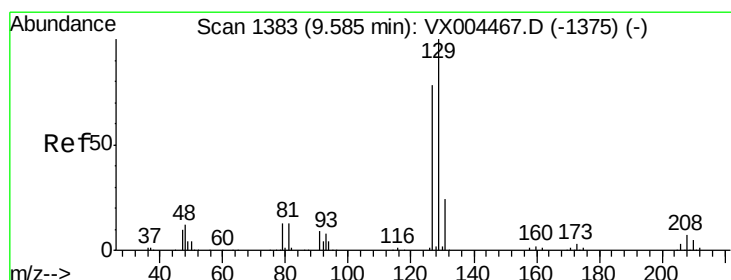
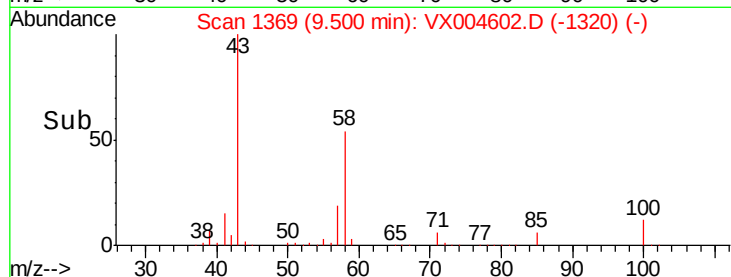
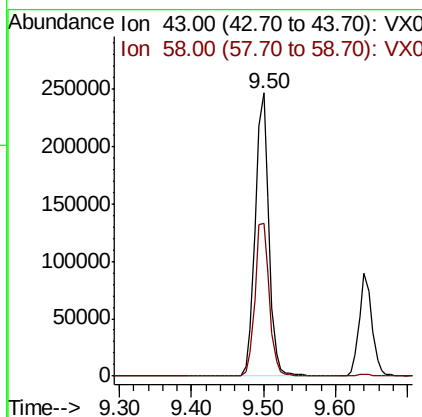
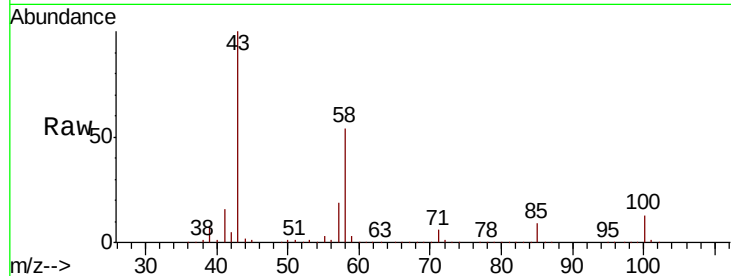
#59
2-Hexanone
Concen: 96.72 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX004602.D
Acq: 16 Sep 2018 00:00

Instrument :
MSVOA_X
ClientSampleId :
VX0915WBSD02

Tot Ion: 43 Resp: 325784
Ion Ratio Lower Upper
43 100
58 56.9 29.0 87.0

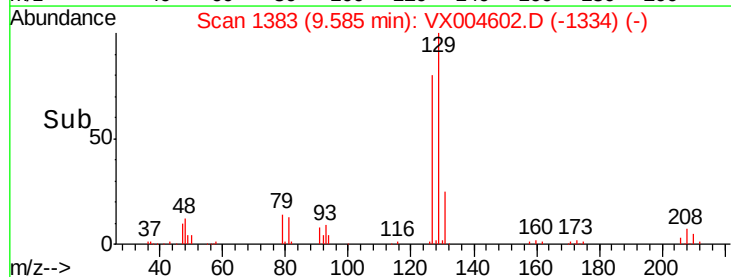
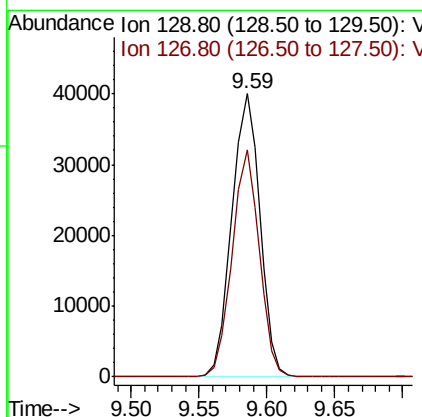
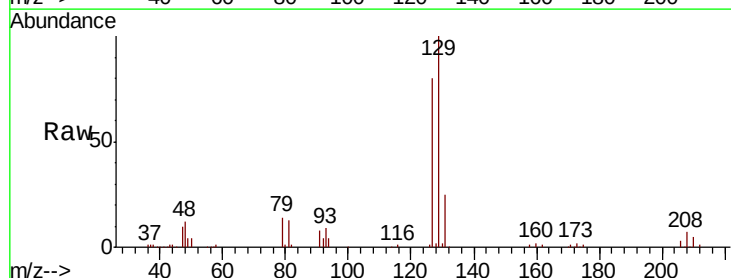
Manual Integrations
APPROVED

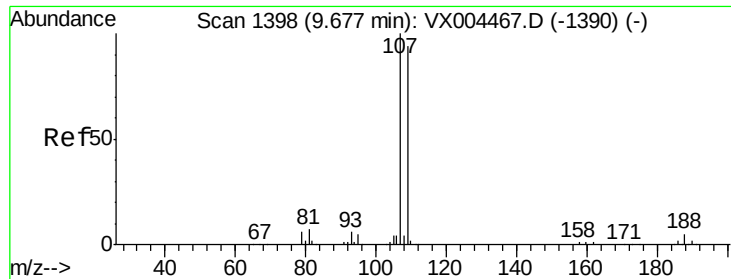
MMDadoda
9/17/2018 6:27:30 PM



#60
Dibromochloromethane
Concen: 19.78 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX004602.D
Acq: 16 Sep 2018 00:00

Tgt Ion: 129 Resp: 57722
Ion Ratio Lower Upper
129 100
127 77.3 38.5 115.5





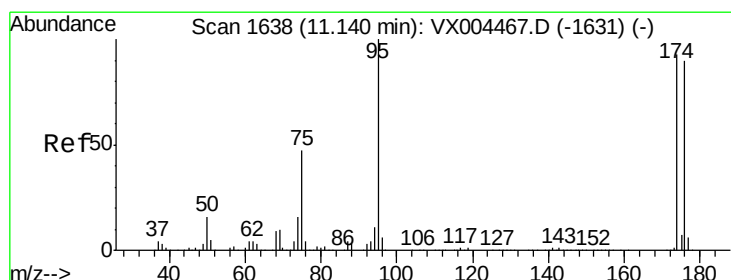
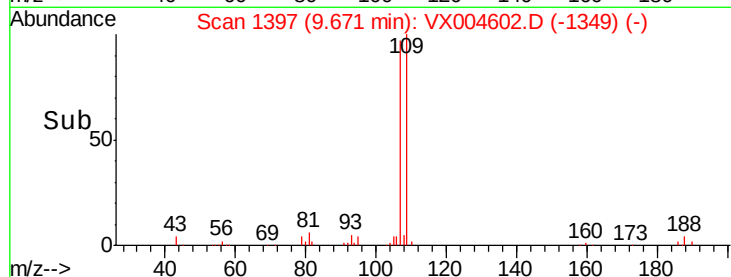
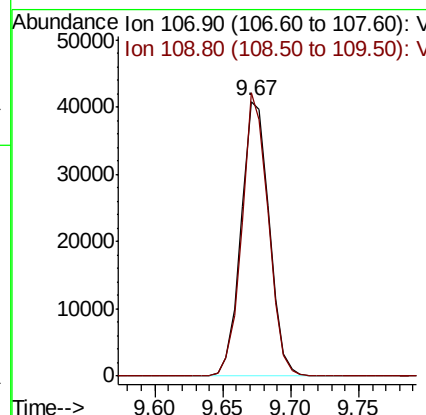
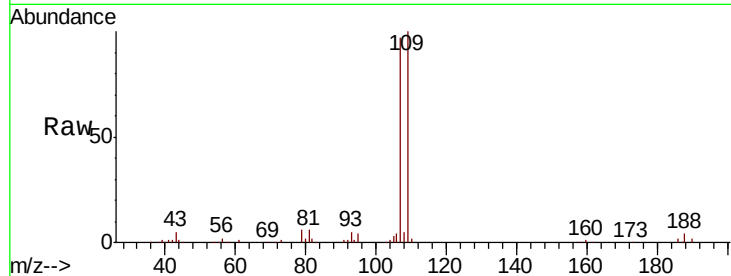
#61
 1,2-Dibromoethane
 Concen: 19.88 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.01 min
 Lab File: VX004602.D
 Acq: 16 Sep 2018 00:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0915WBSD02

Tot Ion:107 Resp: 58886
 Ion Ratio Lower Upper
 107 100
 109 96.7 76.0 114.0

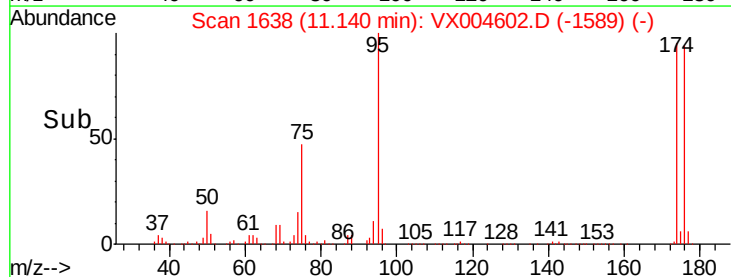
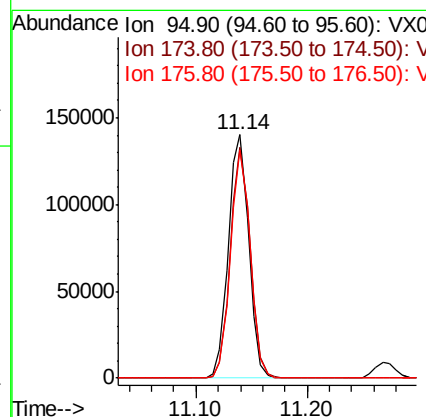
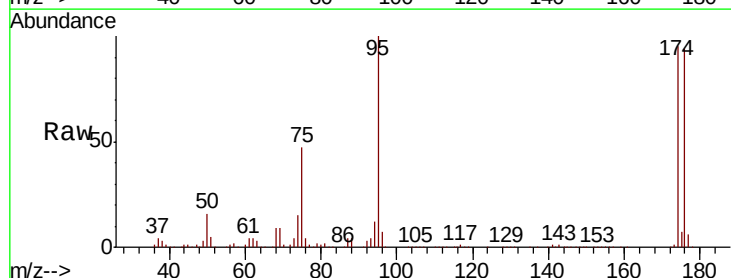
Manual Integrations
 APPROVED

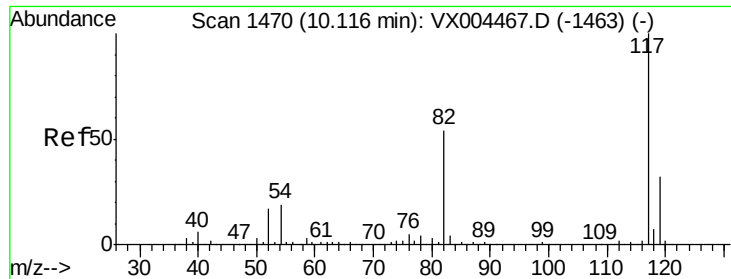
MMDadoda
 9/17/2018 6:27:30 PM



#62
 4-Bromofluorobenzene
 Concen: 47.67 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: VX004602.D
 Acq: 16 Sep 2018 00:00

Tgt Ion: 95 Resp: 177178
 Ion Ratio Lower Upper
 95 100
 174 92.5 0.0 185.2
 176 90.9 0.0 178.6





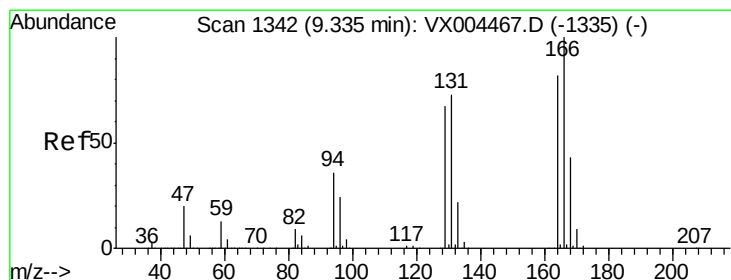
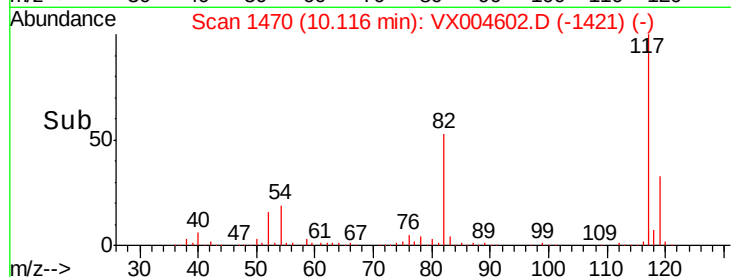
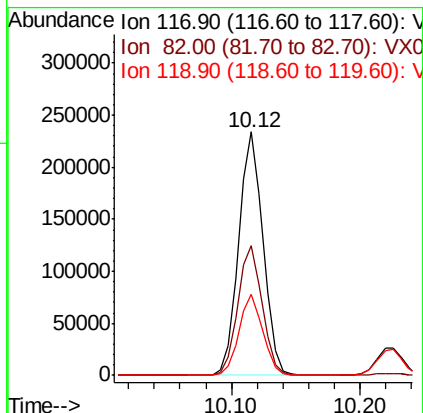
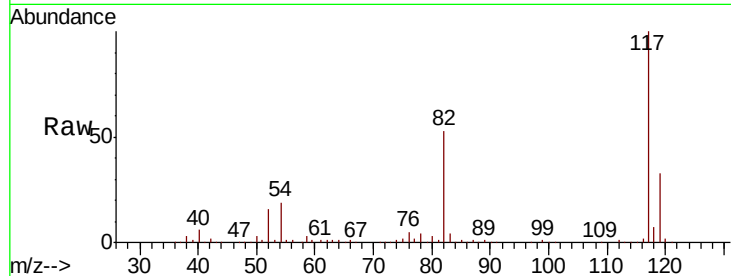
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004602.D
Acq: 16 Sep 2018 00:00

Instrument :
MSVOA_X
ClientSampleId :
VX0915WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	47.8	71.6
119	33.0	29.3	43.9

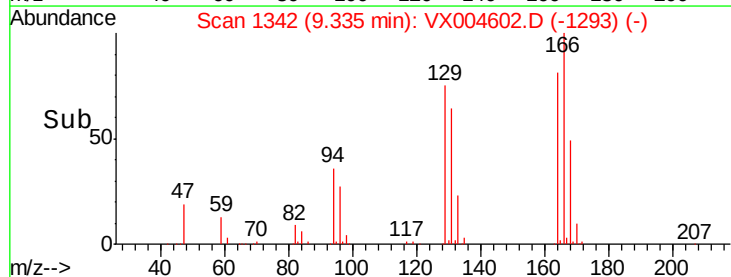
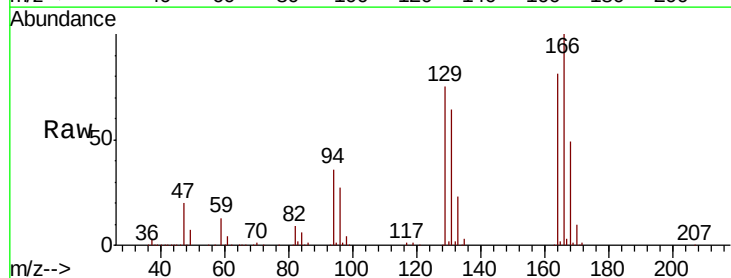
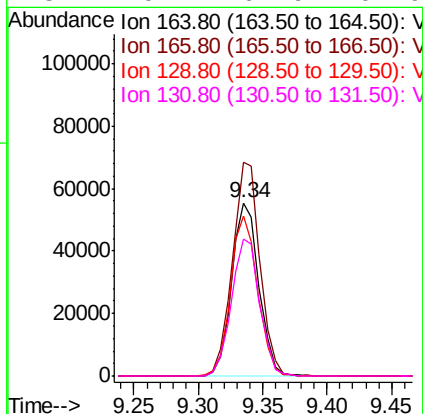
Manual Integrations
APPROVED

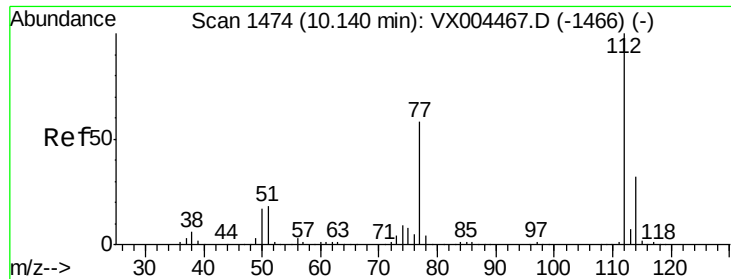
MMDadoda
9/17/2018 6:27:30 PM



#64
Tetrachloroethene
Concen: 21.29 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX004602.D
Acq: 16 Sep 2018 00:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.1	102.8	154.2
129	92.4	69.4	104.0
131	79.2	67.9	101.9





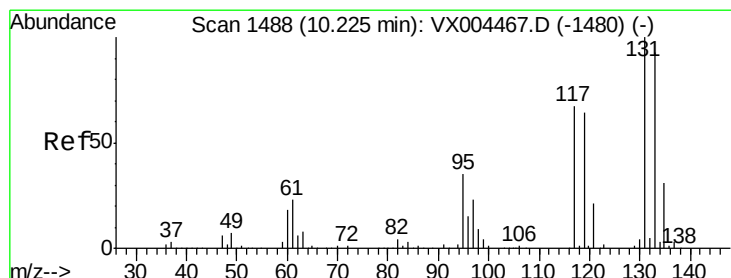
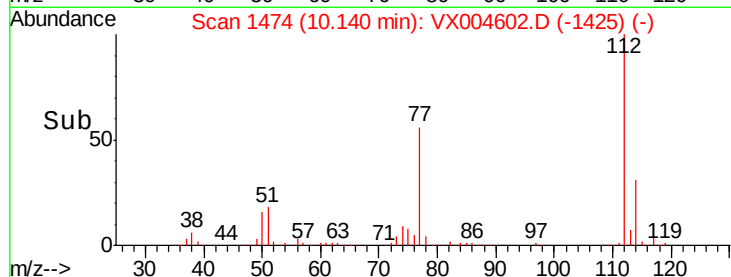
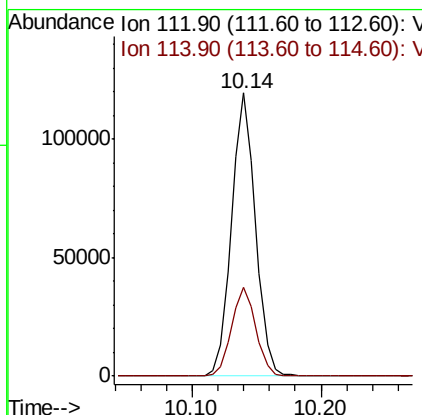
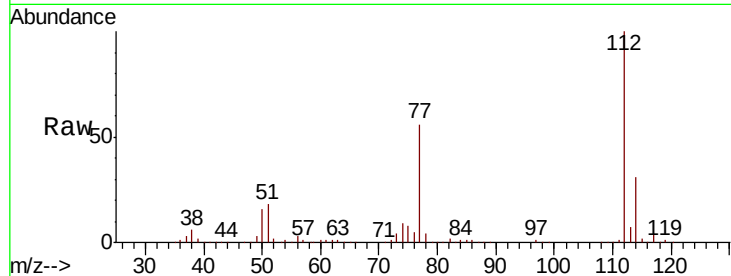
#65
Chlorobenzene
Concen: 20.46 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX004602.D
Acq: 16 Sep 2018 00:00

Instrument :
MSVOA_X
ClientSampled :
VX0915WBSD02

Tot Ion:112 Resp: 155387
Ion Ratio Lower Upper
112 100
114 31.4 27.8 41.8

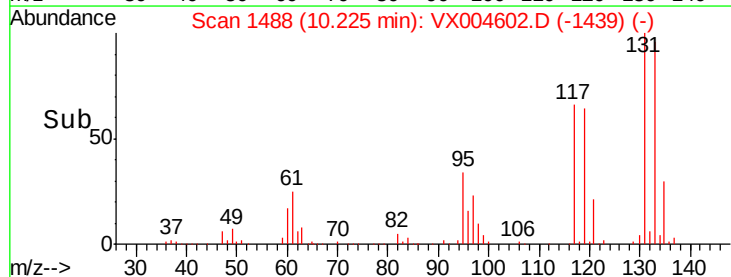
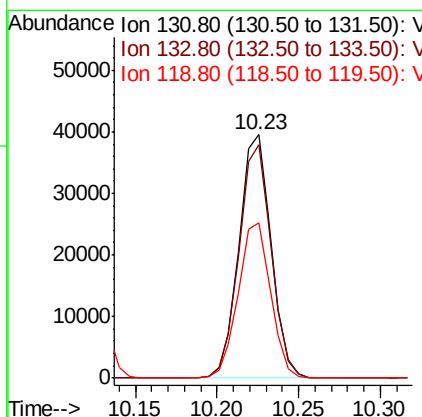
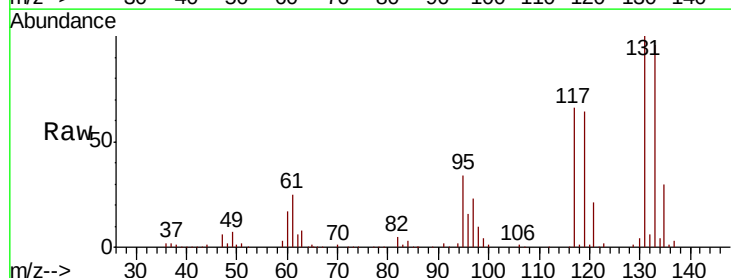
Manual Integrations
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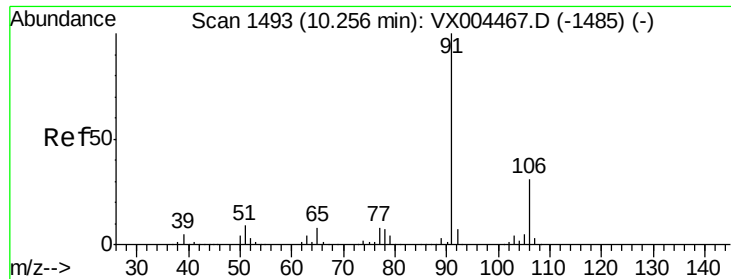
MMDadoda
9/17/2018 6:27:30 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.70 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VX004602.D
Acq: 16 Sep 2018 00:00

Tgt Ion:131 Resp: 54238
Ion Ratio Lower Upper
131 100
133 96.2 48.1 144.4
119 64.5 32.9 98.6





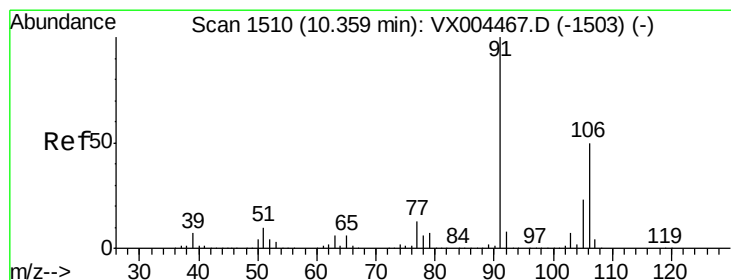
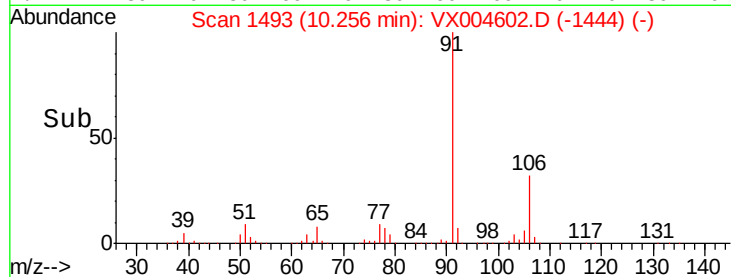
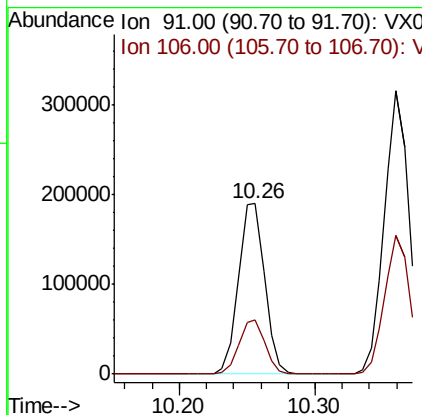
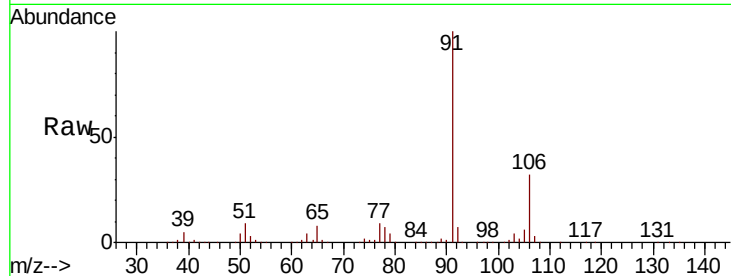
#67
Ethyl Benzene
Concen: 20.77 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VX004602.D
Acq: 16 Sep 2018 00:00

Instrument :
MSVOA_X
ClientSampled :
VX0915WBSD02

Tot Ion: 91 Resp: 256583
Ion Ratio Lower Upper
91 100
106 32.1 25.9 38.9

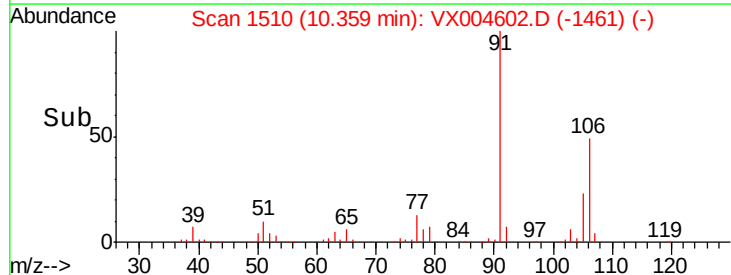
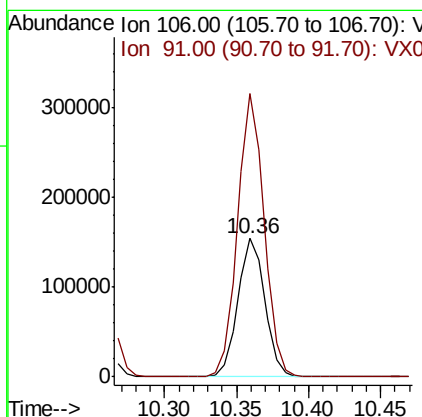
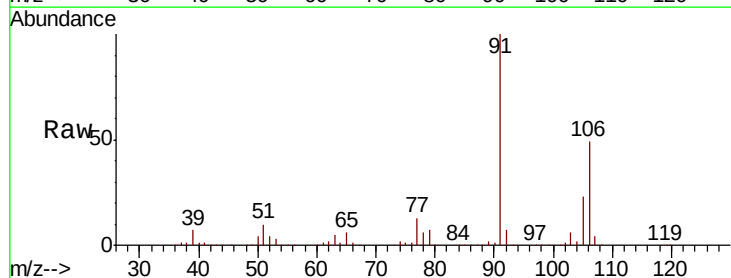
Manual Integrations
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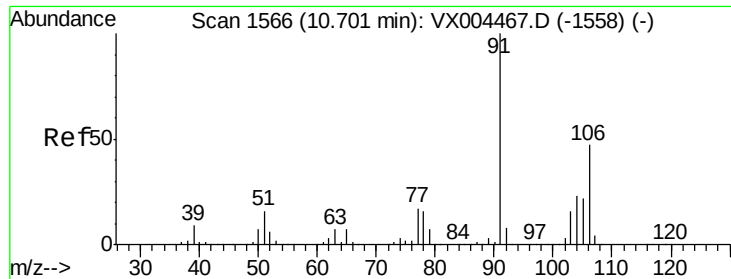
MMDadoda
9/17/2018 6:27:30 PM



#68
m/p-Xylenes
Concen: 42.46 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX004602.D
Acq: 16 Sep 2018 00:00

Tgt Ion: 106 Resp: 202009
Ion Ratio Lower Upper
106 100
91 201.0 157.1 235.7





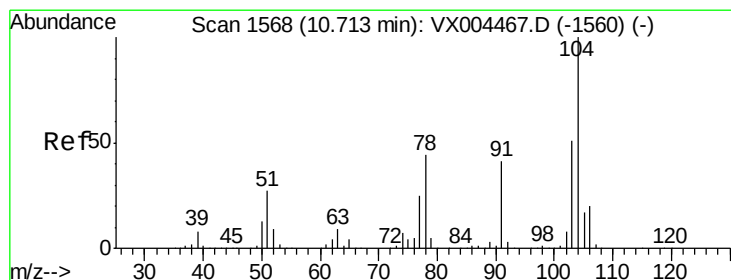
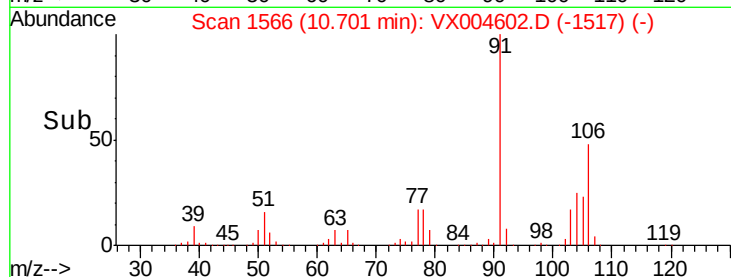
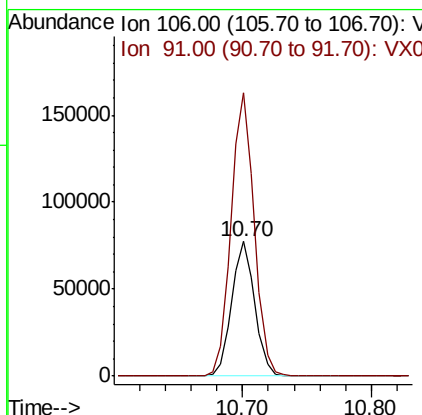
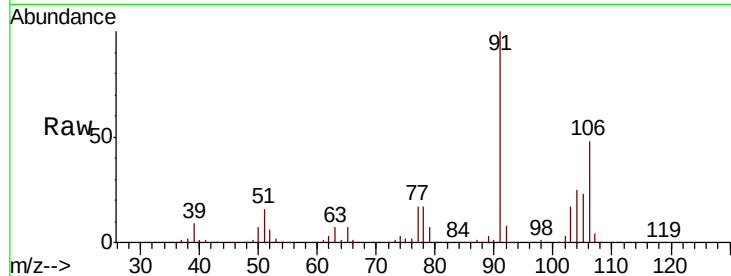
#69
o-Xylene
Concen: 21.23 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004602.D
Acq: 16 Sep 2018 00:00

Instrument :
MSVOA_X
ClientSampled :
VX0915WBSD02

Tot Ion:106 Resp: 97093
Ion Ratio Lower Upper
106 100
91 211.5 105.1 315.1

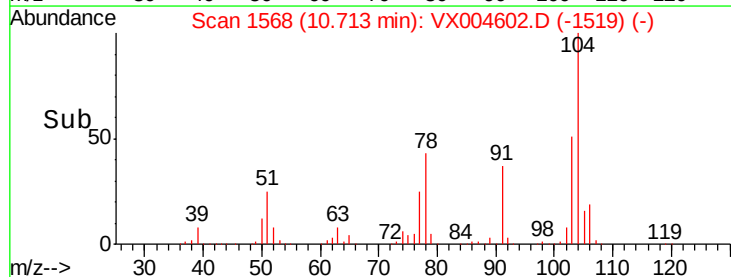
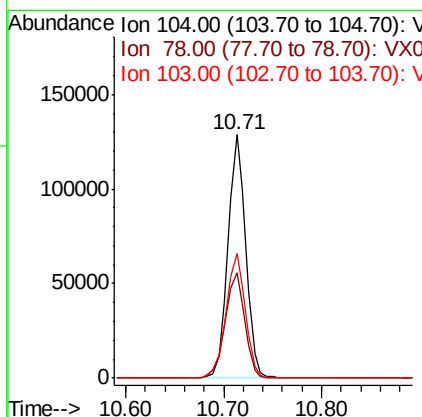
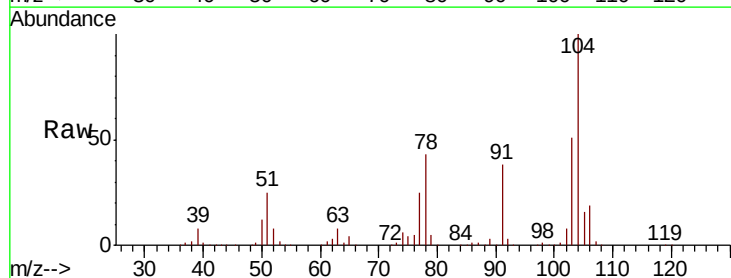
Manual Integrations
APPROVED

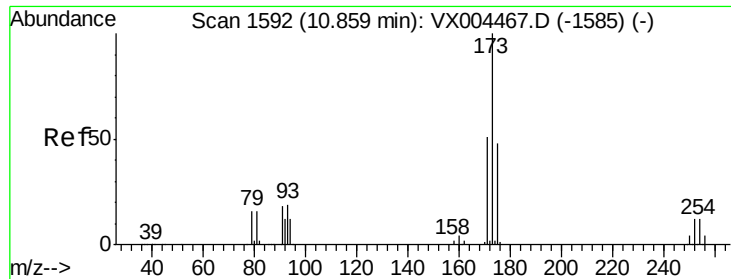
MMDadoda
9/17/2018 6:27:30 PM



#70
Styrene
Concen: 21.50 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX004602.D
Acq: 16 Sep 2018 00:00

Tgt Ion:104 Resp: 162937
Ion Ratio Lower Upper
104 100
78 47.7 37.4 56.0
103 55.5 43.8 65.6





#71

Bromoform

Concen: 19.62 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX004602.D

Acq: 16 Sep 2018 00:00

Instrument :

MSVOA_X

ClientSampleId :

VX0915WBSD02

Tot Ion:173 Resp: 42190

Ion Ratio Lower Upper

173 100

175 49.2 24.1 72.3

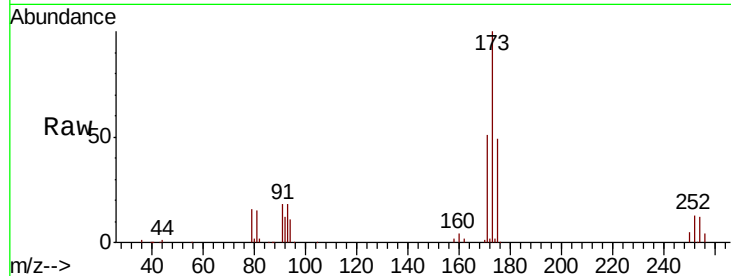
254 0.1 0.2 0.2#

Manual Integrations

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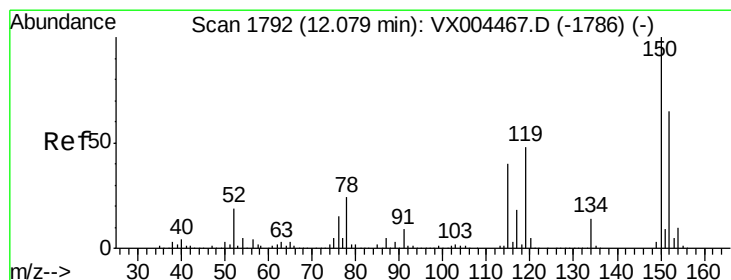
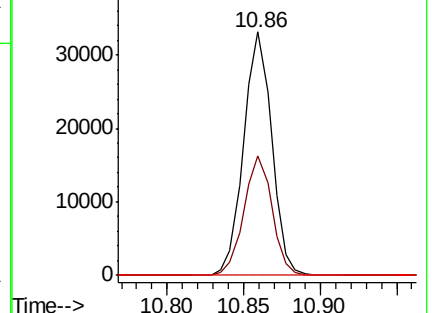
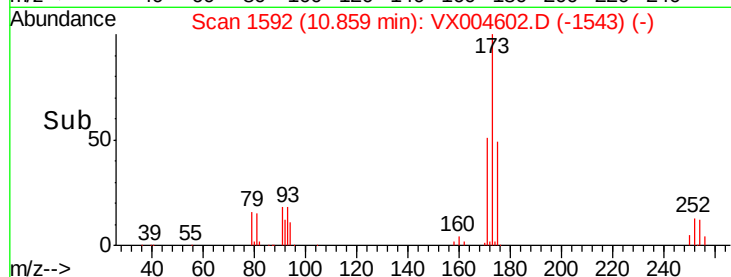
9/17/2018 6:27:30 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004602.D

Acq: 16 Sep 2018 00:00

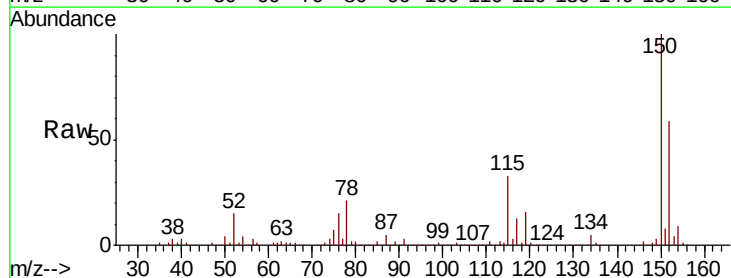
Tgt Ion:152 Resp: 214473

Ion Ratio Lower Upper

152 100

115 63.1 39.0 117.0

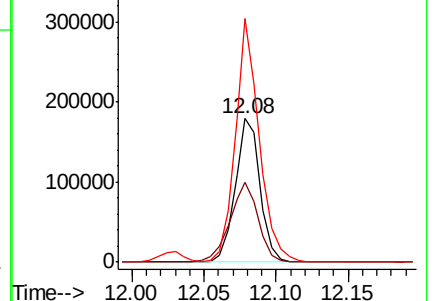
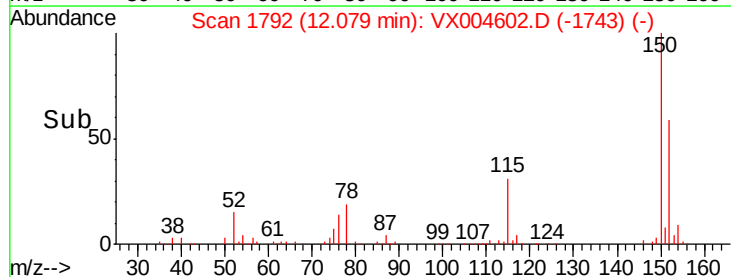
150 164.8 0.0 351.0

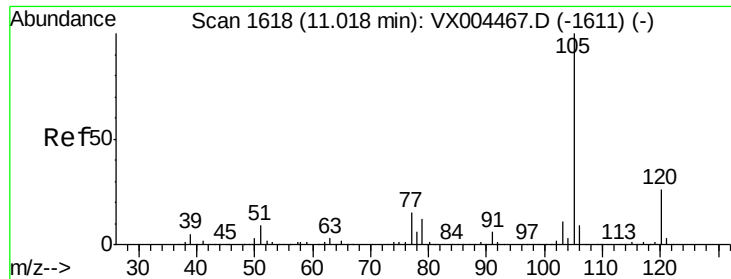


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





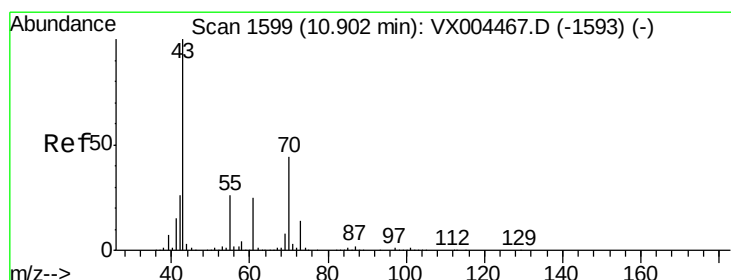
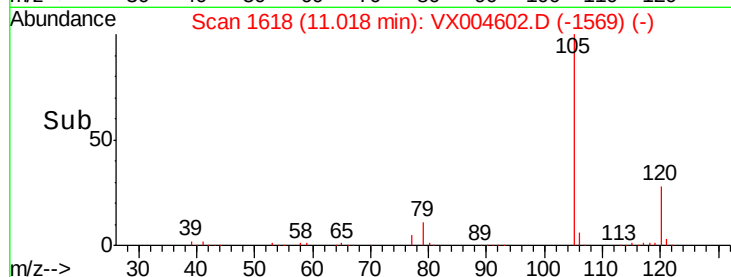
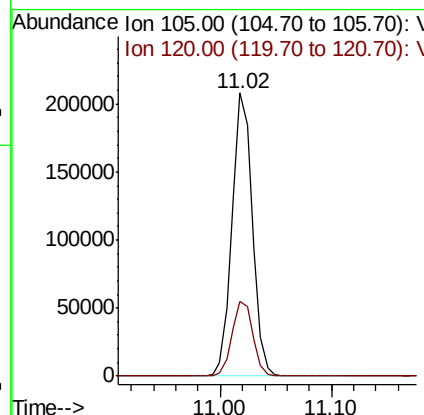
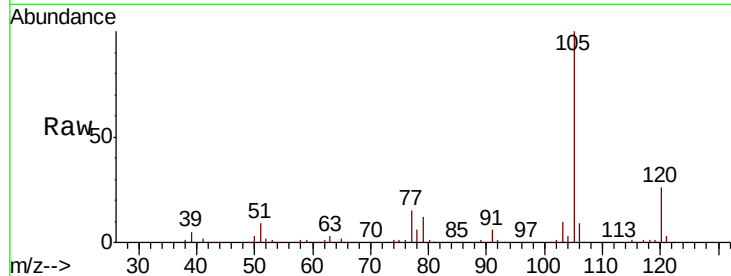
#73
Isopropylbenzene
Concen: 18.56 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX004602.D
Acq: 16 Sep 2018 00:00

Instrument :
MSVOA_X
ClientSampleId :
VX0915WBSD02

Tot Ion: 105 Resp: 262129
Ion Ratio Lower Upper
105 100
120 27.1 13.5 40.4

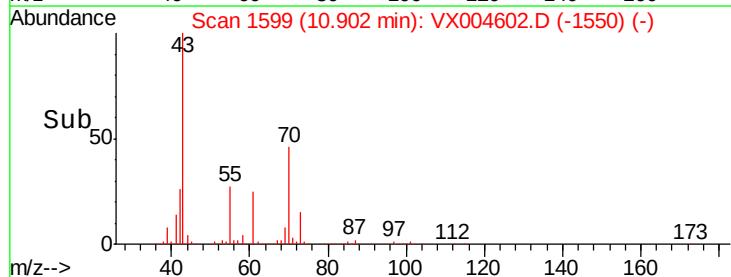
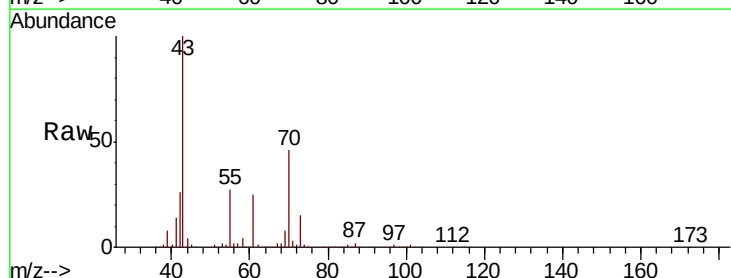
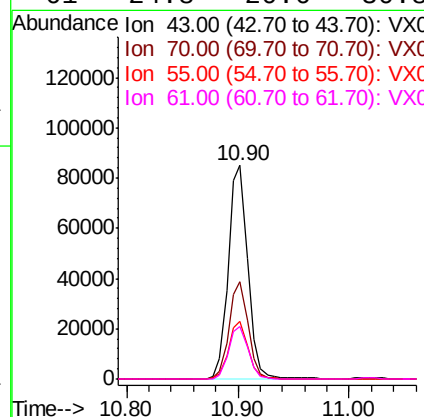
Manual Integrations
APPROVED

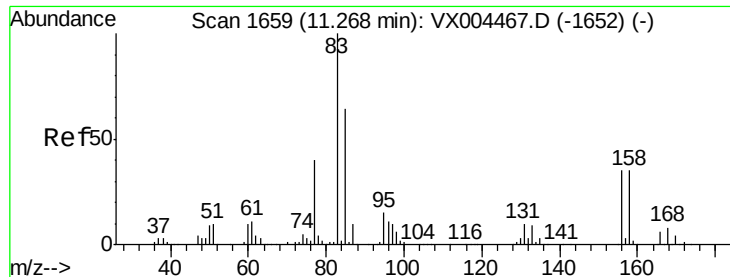
MMDadoda
9/17/2018 6:27:30 PM



#74
N-ethyl acetate
Concen: 17.35 ug/l
RT: 10.90 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VX004602.D
Acq: 16 Sep 2018 00:00

Tgt Ion: 43 Resp: 103135
Ion Ratio Lower Upper
43 100
70 44.7 37.4 56.0
55 27.0 21.8 32.8
61 24.8 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 17.83 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX004602.D

Acq: 16 Sep 2018 00:00

Instrument :

MSVOA_X

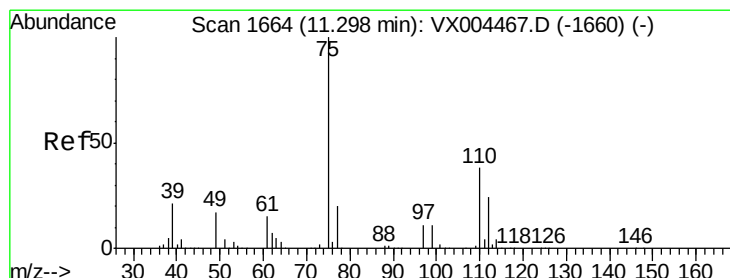
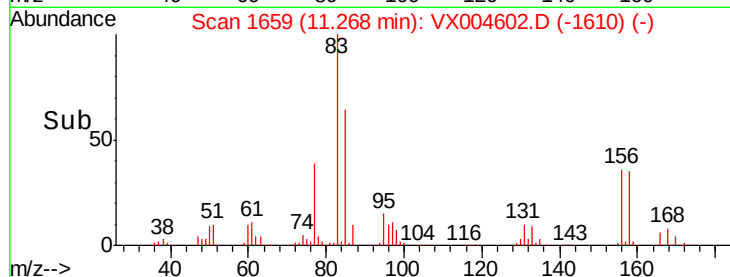
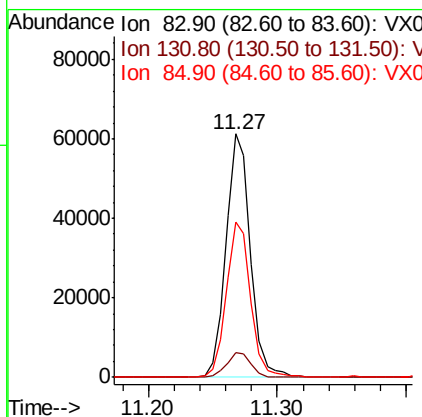
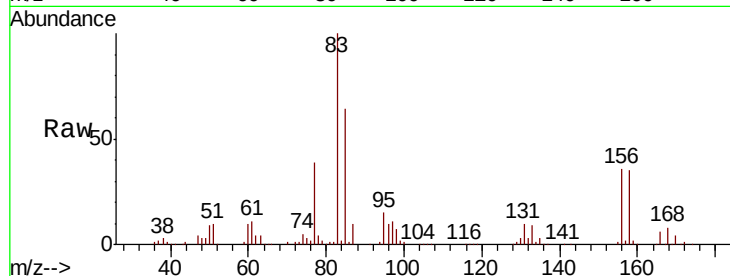
ClientSampleId :

VX0915WBSD02

Tot Ion:	83	Resp:	81222
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.2	15.6
85	63.6	32.3	96.8

Manual Integrations
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MMDadoda
9/17/2018 6:27:30 PM



#76

1,2,3-Trichloropropane

Concen: 17.54 ug/l m

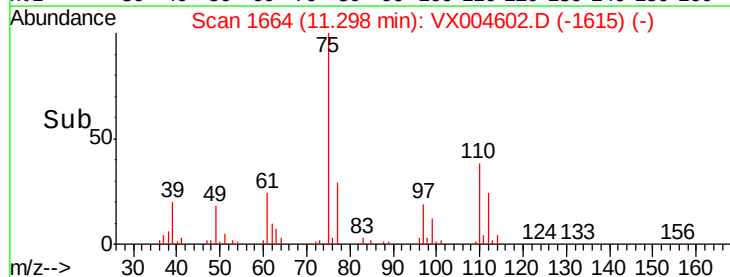
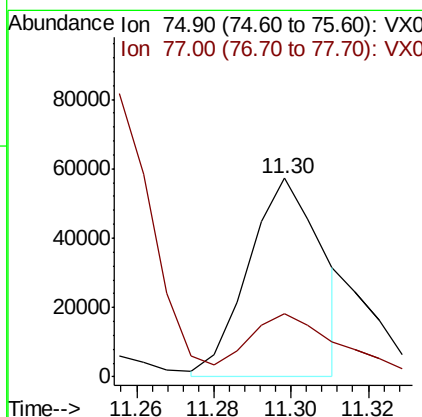
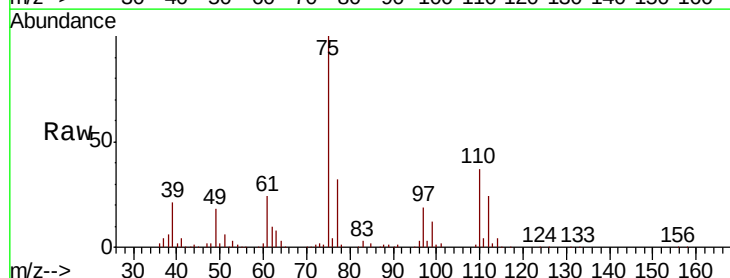
RT: 11.30 min Scan# 1664

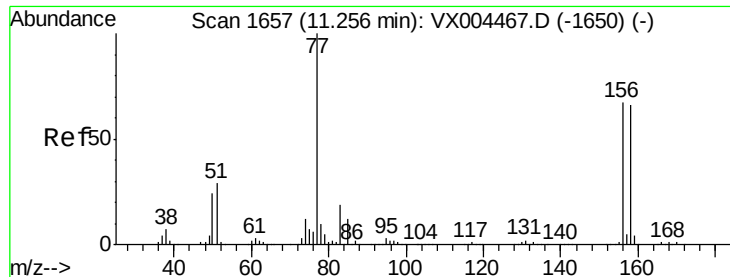
Delta R.T. -0.00 min

Lab File: VX004602.D

Acq: 16 Sep 2018 00:00

Tgt Ion:	75	Resp:	75672
Ion Ratio	Lower	Upper	
75	100		
77	39.5	20.2	60.6





#77

Bromobenzene

Concen: 18.09 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX004602.D

Acq: 16 Sep 2018 00:00

Instrument :

MSVOA_X

ClientSampleId :

VX0915WBSD02

Tot Ion:156 Resp: 70609

Ion Ratio Lower Upper

156 100

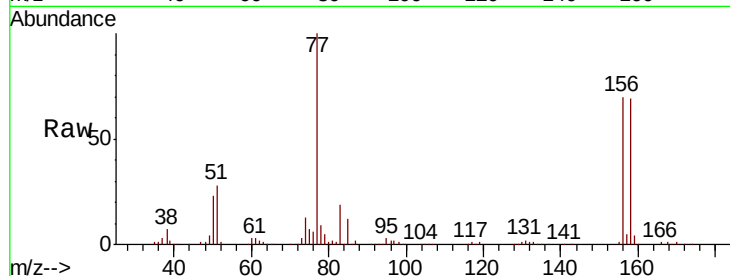
77 144.7 71.5 214.3

158 97.6 48.9 146.8

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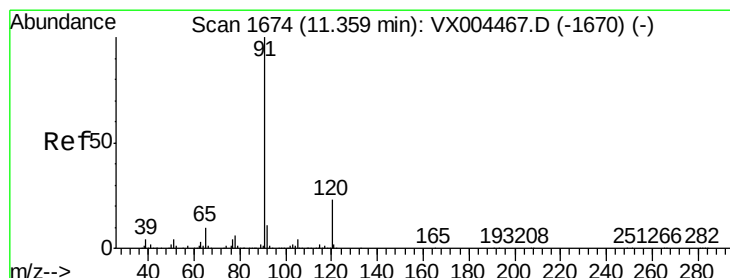
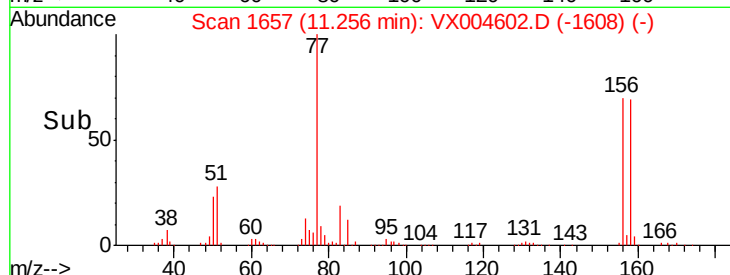
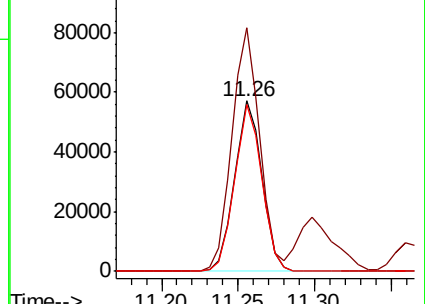
9/17/2018 6:27:30 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.46 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX004602.D

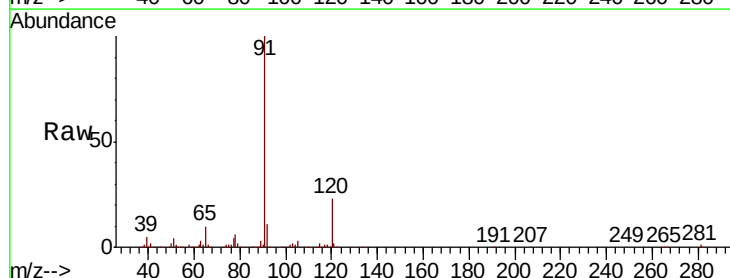
Acq: 16 Sep 2018 00:00

Tgt Ion: 91 Resp: 299814

Ion Ratio Lower Upper

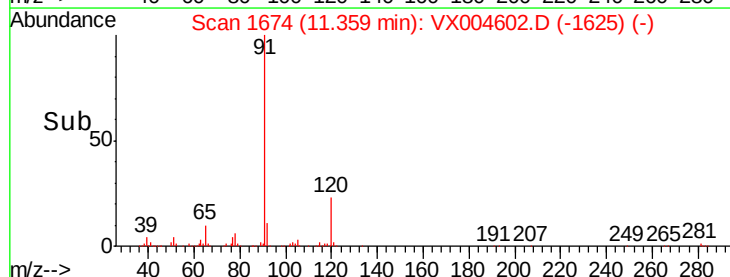
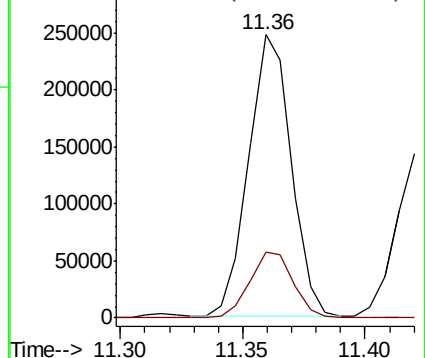
91 100

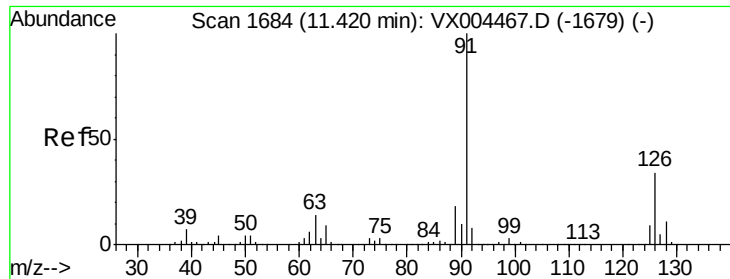
120 23.9 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.17 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX004602.D

Acq: 16 Sep 2018 00:00

Instrument :

MSVOA_X

ClientSampleId :

VX0915WBSD02

Tot Ion: 91 Resp: 178937

Ion Ratio Lower Upper

91 100

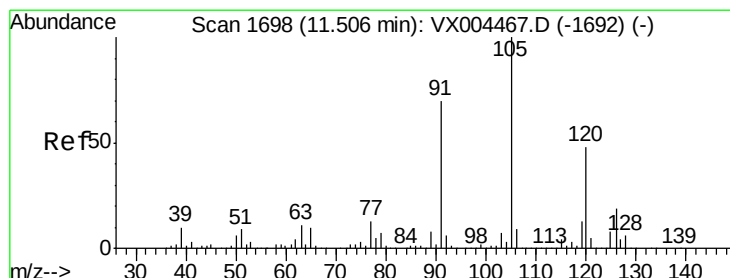
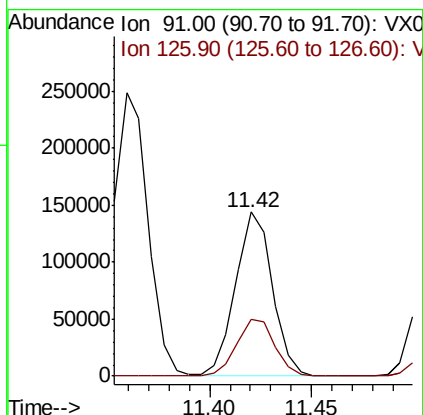
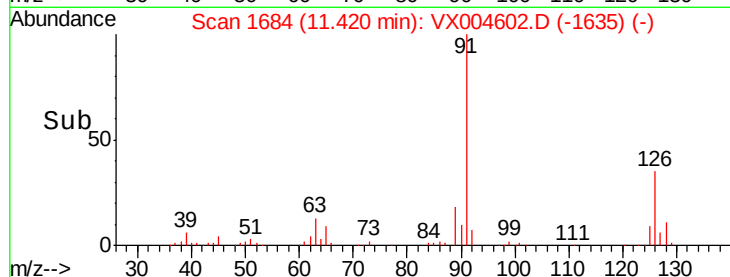
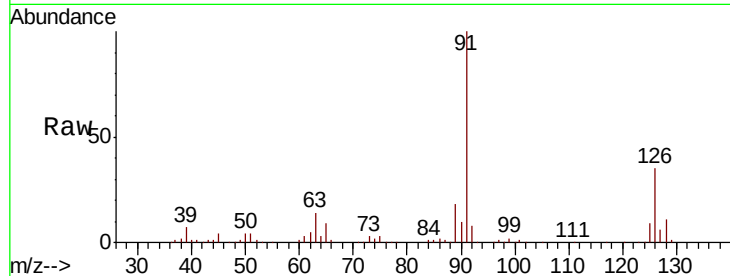
126 36.0 17.9 53.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.06 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX004602.D

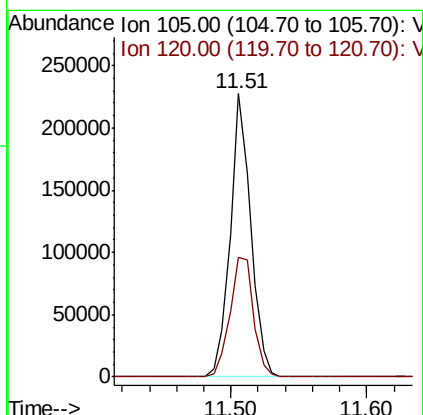
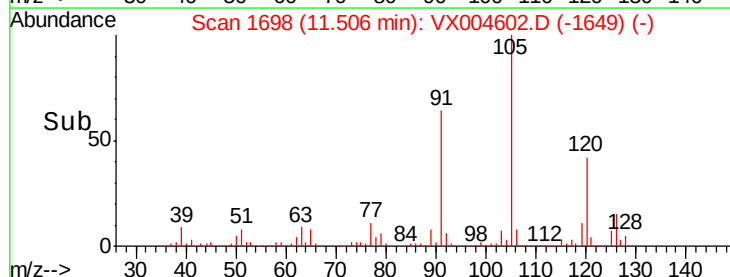
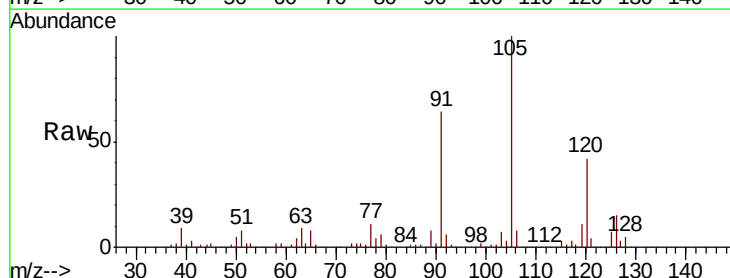
Acq: 16 Sep 2018 00:00

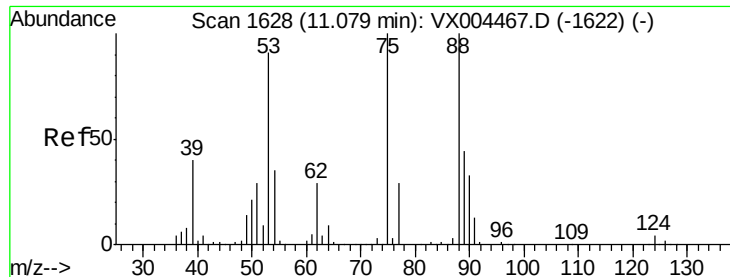
Tgt Ion: 105 Resp: 238196

Ion Ratio Lower Upper

105 100

120 48.7 25.6 76.8





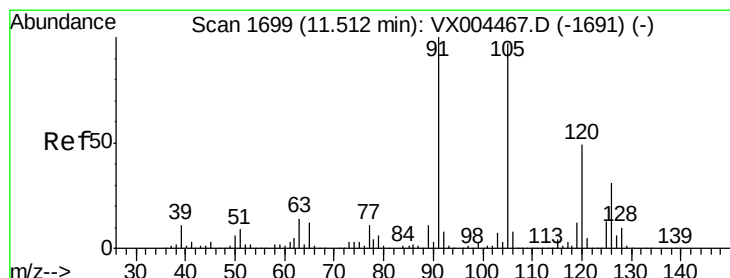
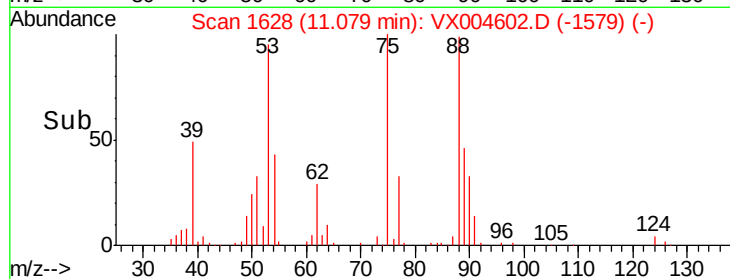
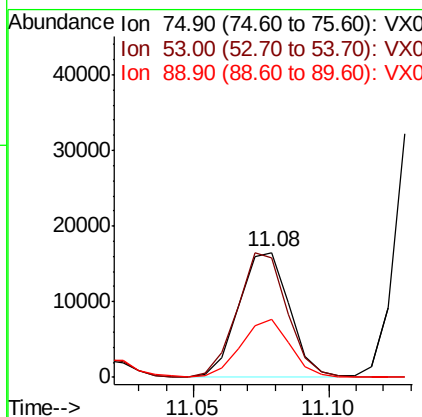
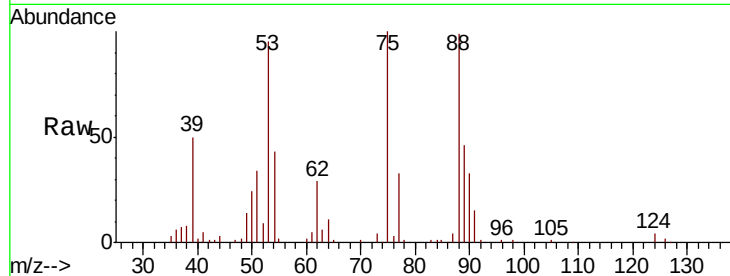
#81
trans-1,4-Dichloro-2-butene
Concen: 15.56 ug/l
RT: 11.08 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VX004602.D
Acq: 16 Sep 2018 00:00

Instrument :
MSVOA_X
ClientSampleId :
VX0915WBSD02

Tot Ion: 75 Resp: 21061
Ion Ratio Lower Upper
75 100
53 100.1 80.1 120.1
89 45.2 37.2 55.8

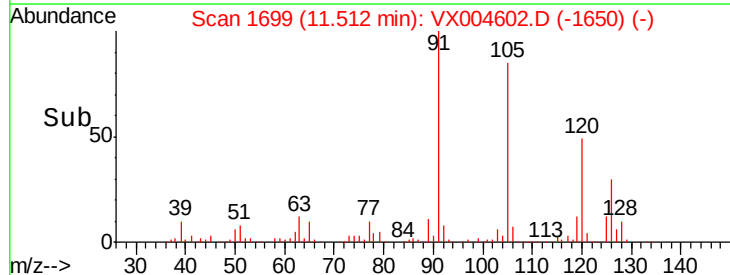
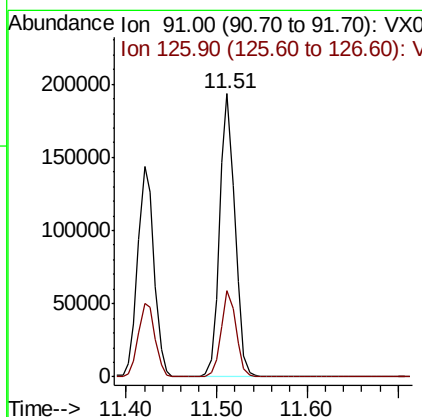
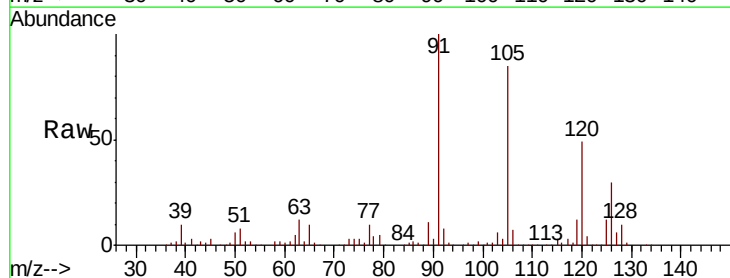
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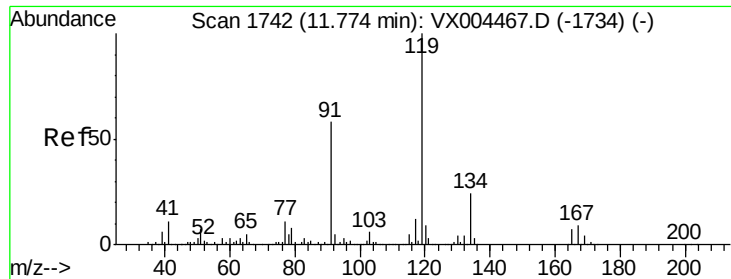
MMDadoda
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#82
4-Chlorotoluene
Concen: 19.80 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX004602.D
Acq: 16 Sep 2018 00:00

Tgt Ion: 91 Resp: 227610
Ion Ratio Lower Upper
91 100
126 29.7 15.5 46.5





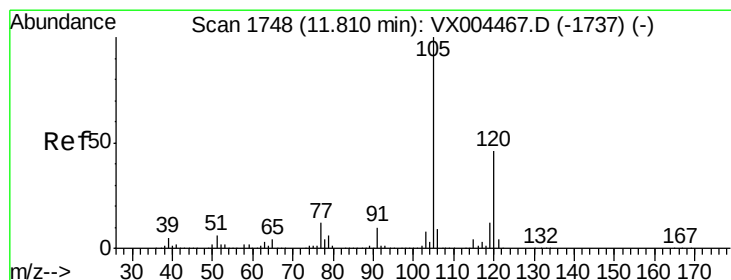
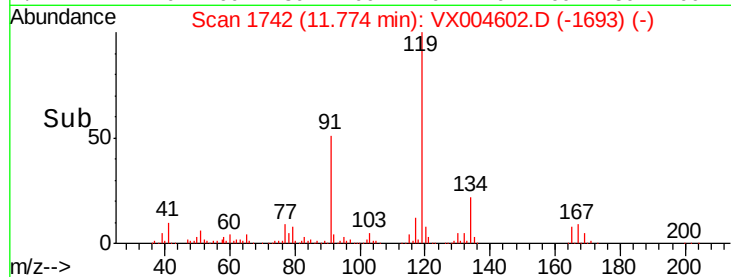
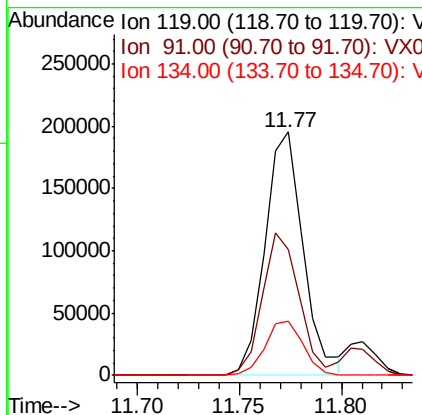
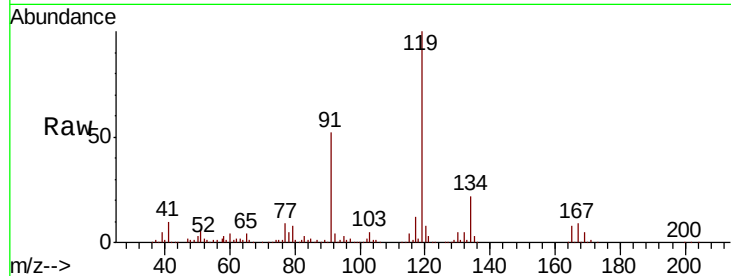
#83
 tert-Butylbenzene
 Concen: 22.53 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX004602.D
 Acq: 16 Sep 2018 00:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0915WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	254705		
91	56.1		27.0	81.0
134	22.3		11.7	35.1

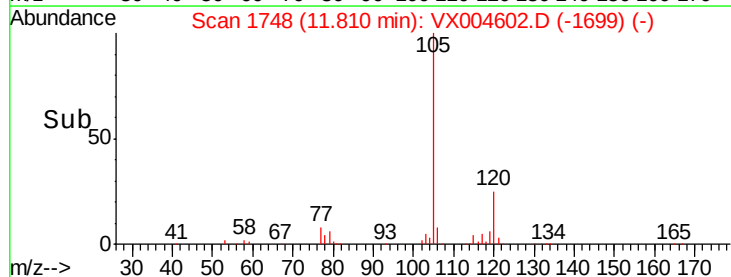
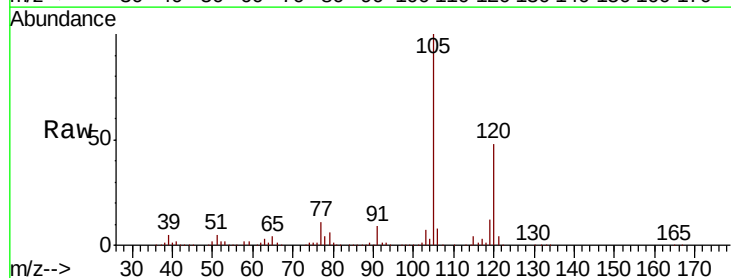
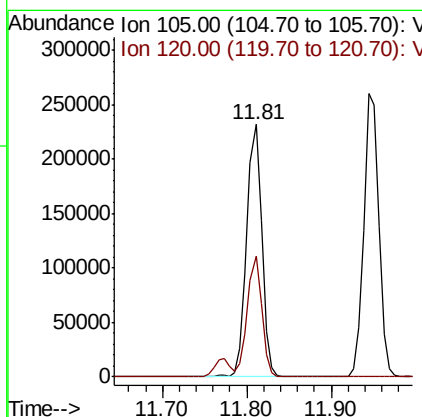
Manual Integrations
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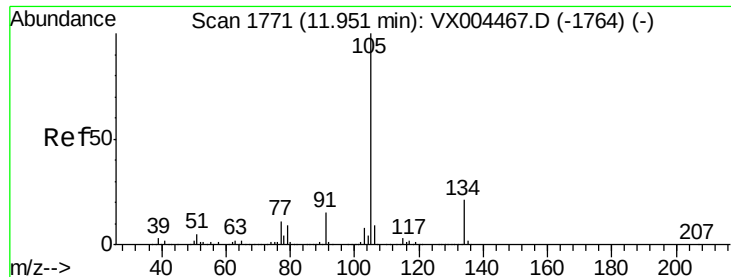
MMDadoda
 9/17/2018 6:27:30 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 22.79 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX004602.D
 Acq: 16 Sep 2018 00:00

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	276355		
120	45.7		23.2	69.6





#85

sec-Butylbenzene

Concen: 22.49 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004602.D

Acq: 16 Sep 2018 00:00

Instrument :

MSVOA_X

ClientSampleId :

VX0915WBSD02

Tot Ion:105 Resp: 323984

Ion Ratio Lower Upper

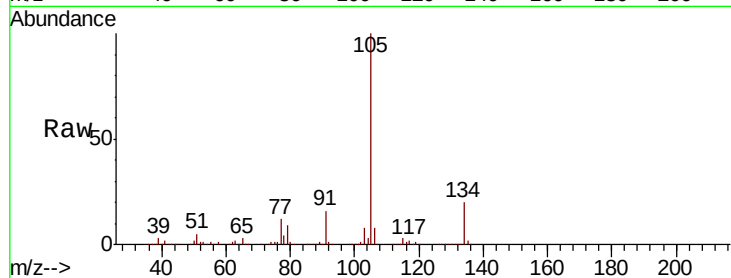
105 100

134 20.4 10.5 31.5

Manual Integrations
APPROVED

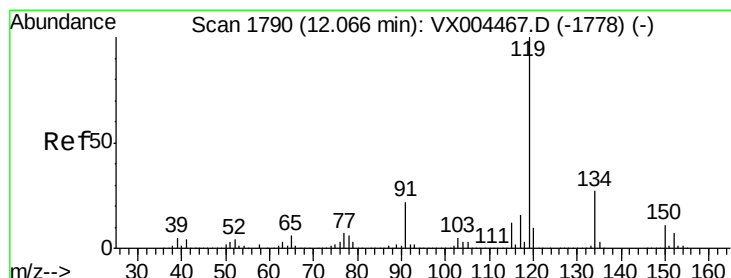
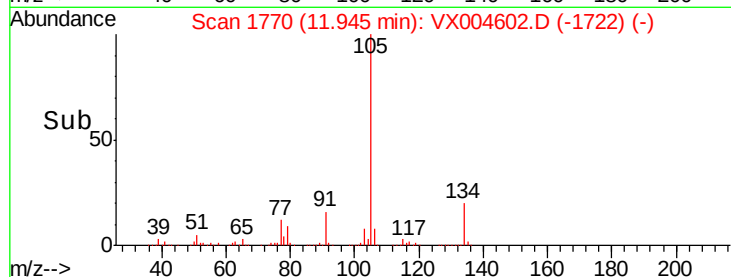
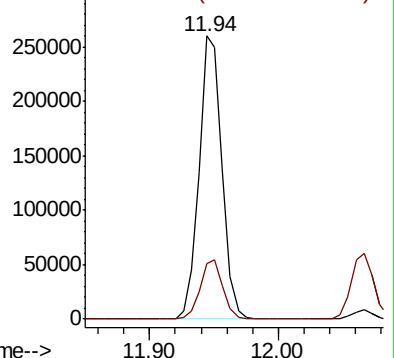
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.40 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX004602.D

Acq: 16 Sep 2018 00:00

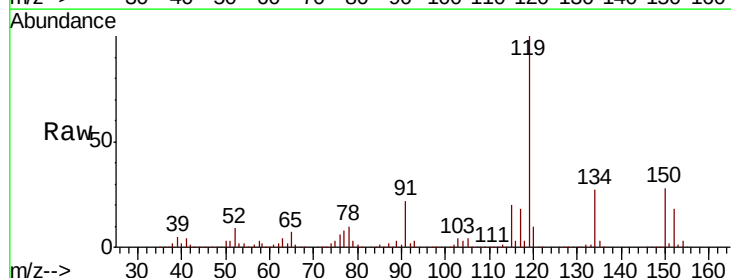
Tgt Ion:119 Resp: 272243

Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.2

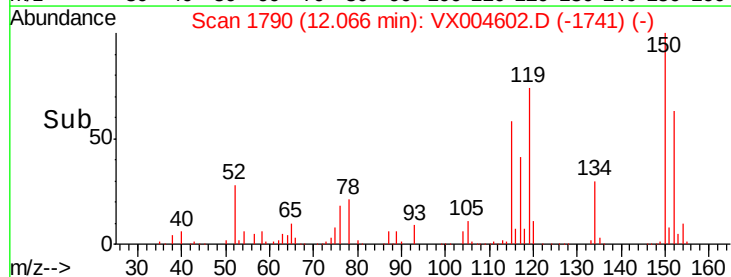
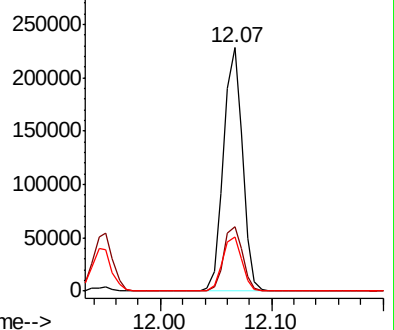
91 22.5 10.9 32.7

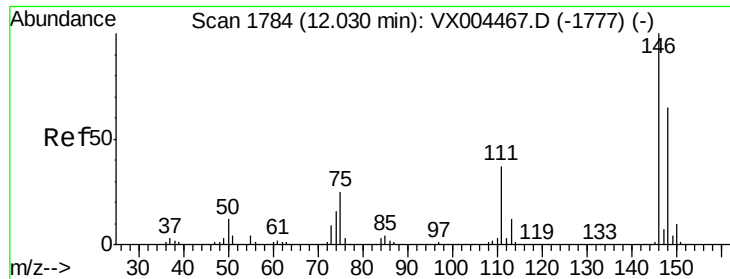


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





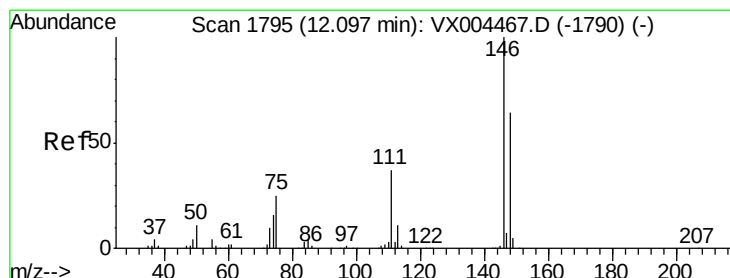
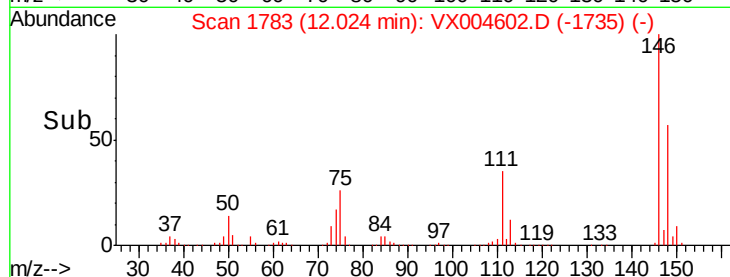
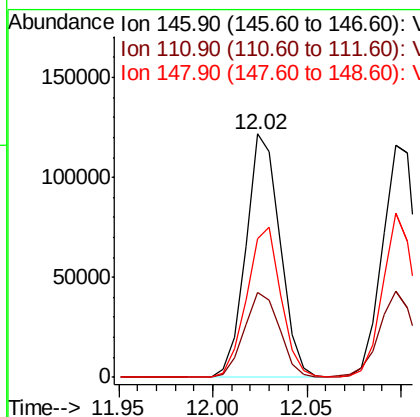
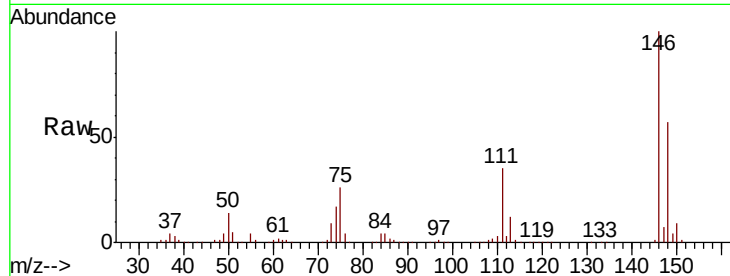
#87
 1,3-Dichlorobenzene
 Concen: 21.03 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: VX004602.D
 Acq: 16 Sep 2018 00:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0915WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.7	56.1
148	61.9	32.1	96.5

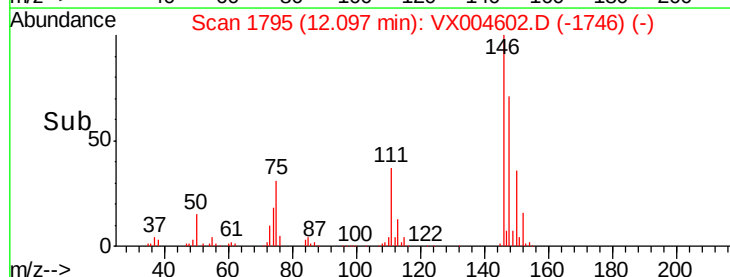
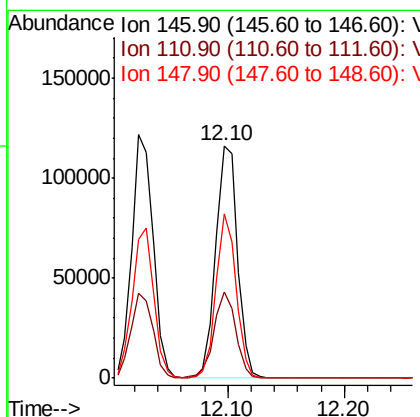
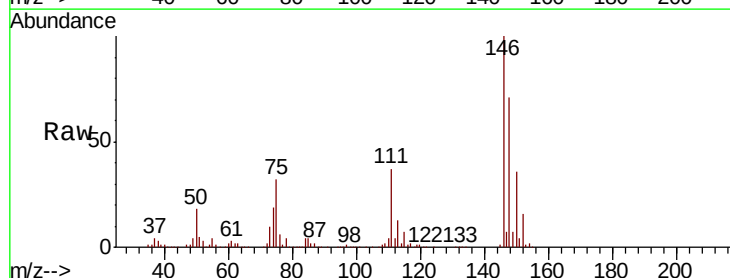
Manual Integrations
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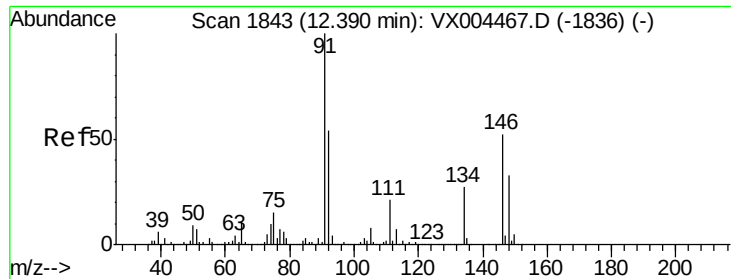
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 9/17/2018 6:27:30 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.76 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX004602.D
 Acq: 16 Sep 2018 00:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.1	54.1
148	65.7	32.0	96.0





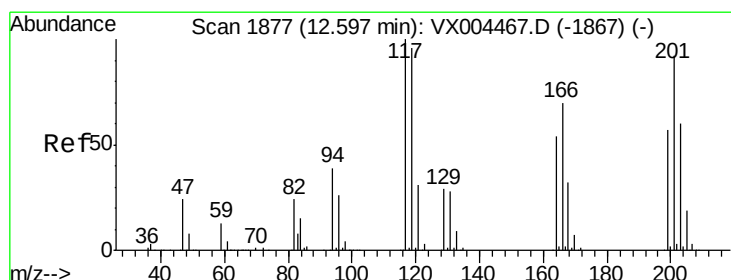
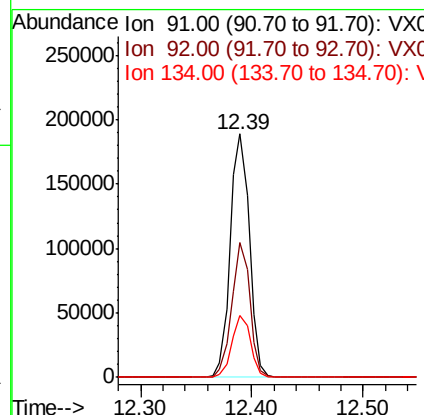
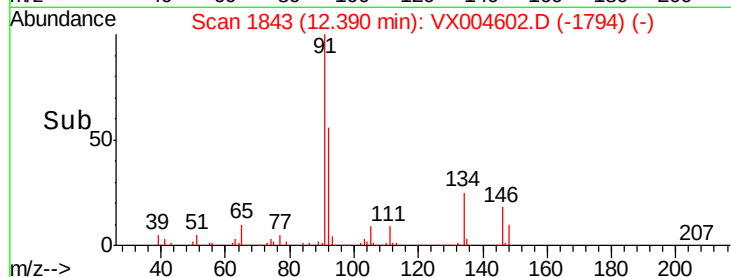
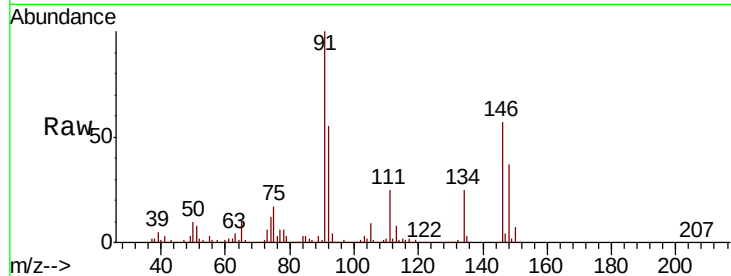
#89
n-Butylbenzene
Concen: 19.41 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX004602.D
Acq: 16 Sep 2018 00:00

Instrument :
MSVOA_X
ClientSampleID :
VX0915WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	224981		
92	52.4	27.3	81.9	
134	24.8	13.6	40.7	

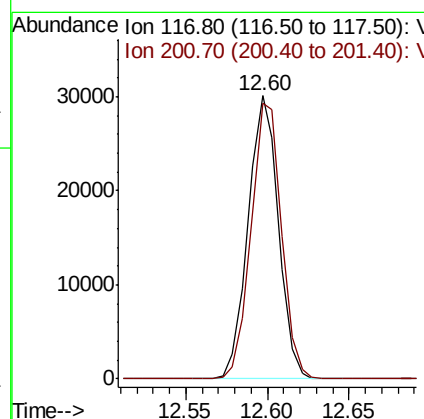
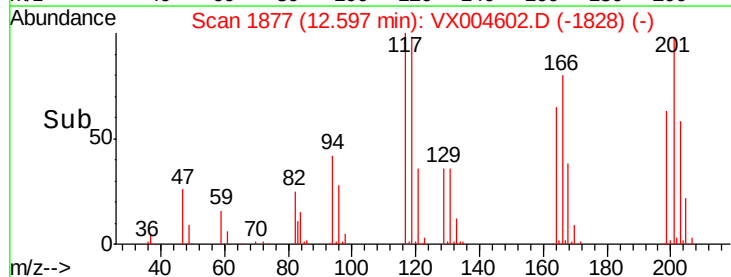
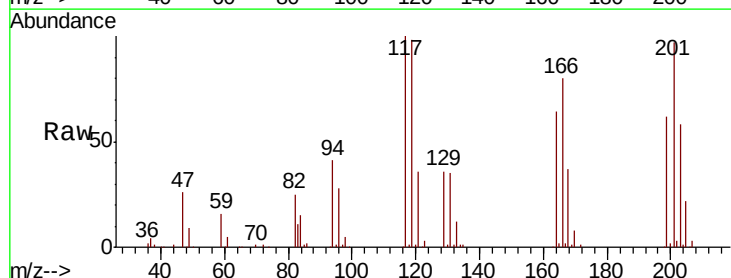
Manual Integrations
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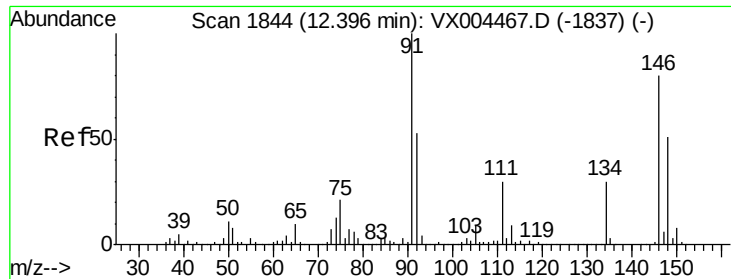
MMDadoda
9/17/2018 6:27:30 PM



#90
Hexachloroethane
Concen: 19.13 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX004602.D
Acq: 16 Sep 2018 00:00

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	38957		
201	98.1	46.9	140.6	





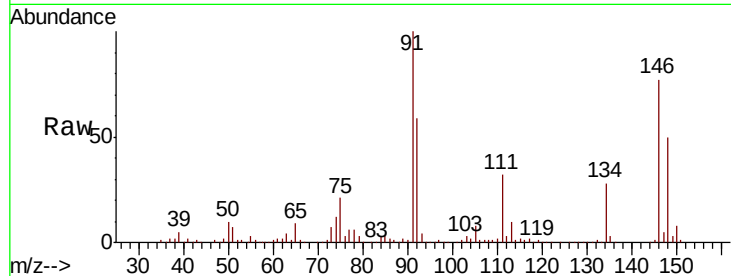
#91
 1,2-Dichlorobenzene
 Concen: 19.24 ug/l
 RT: 12.40 min Scan# 1844
 Delta R.T. -0.00 min
 Lab File: VX004602.D
 Acq: 16 Sep 2018 00:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0915WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	19.4	58.1
148	65.2	32.8	98.3

Manual Integrations
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 9/17/2018 6:27:30 PM

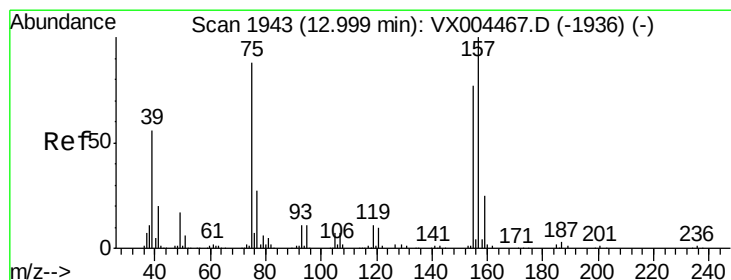
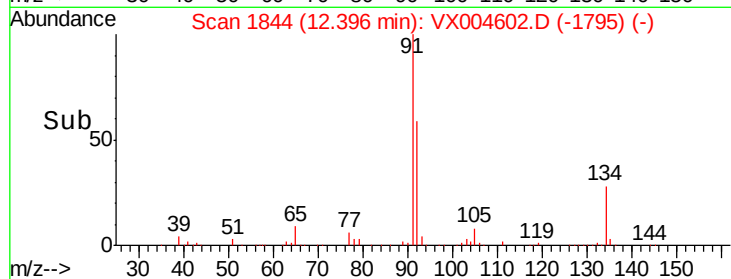
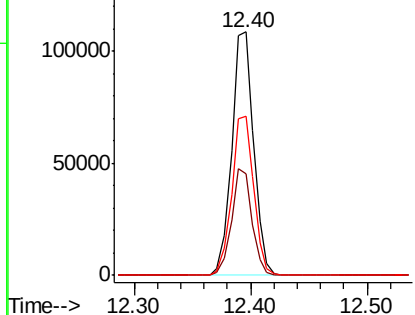


Abundance

Ion 145.90 (145.60 to 146.60): V

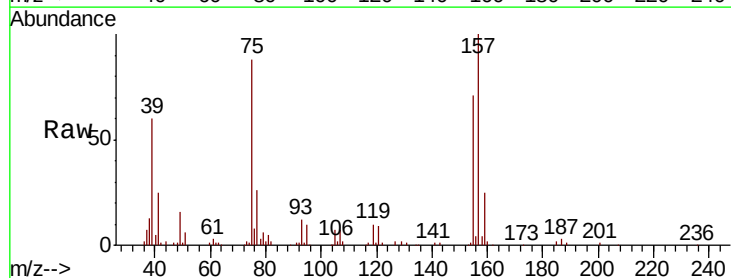
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.65 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX004602.D
 Acq: 16 Sep 2018 00:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.2	48.0	144.2
157	124.6	61.4	184.1

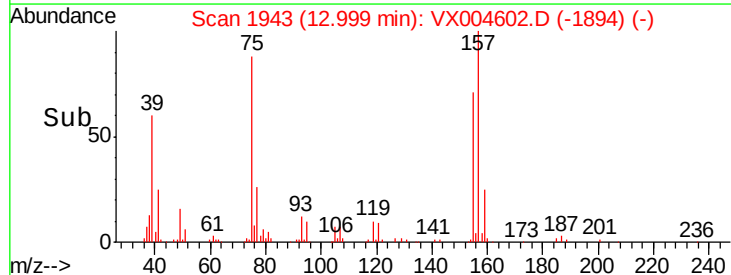
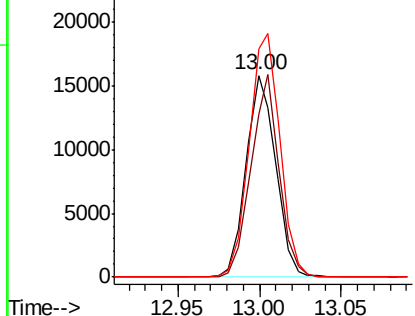


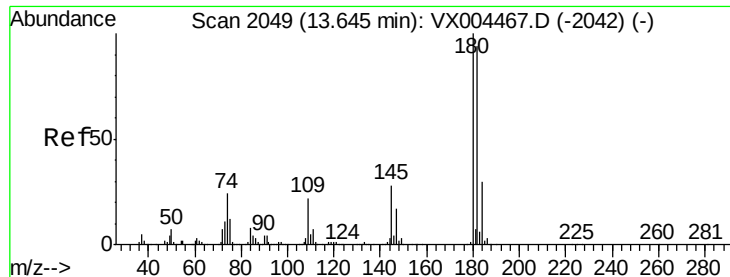
Abundance

Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





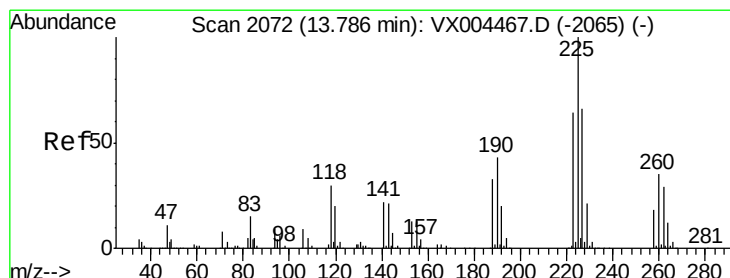
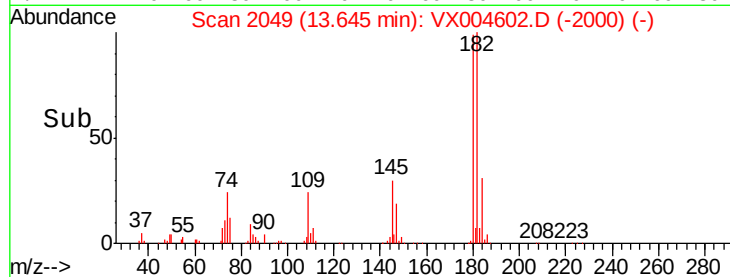
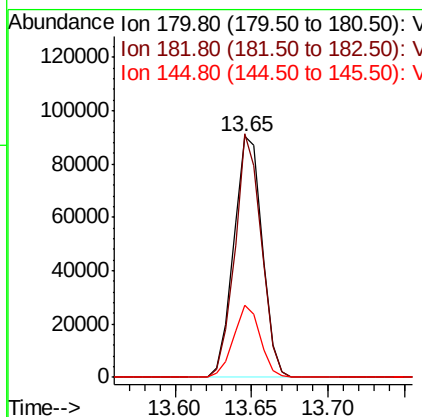
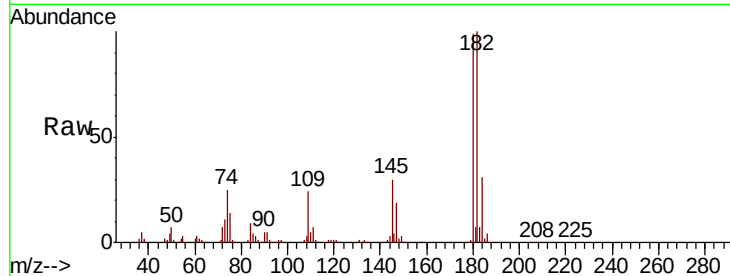
#93
 1,2,4-Trichlorobenzene
 Concen: 22.21 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX004602.D
 Acq: 16 Sep 2018 00:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0915WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.0	48.4	145.0	
145	28.2	14.3	42.9	

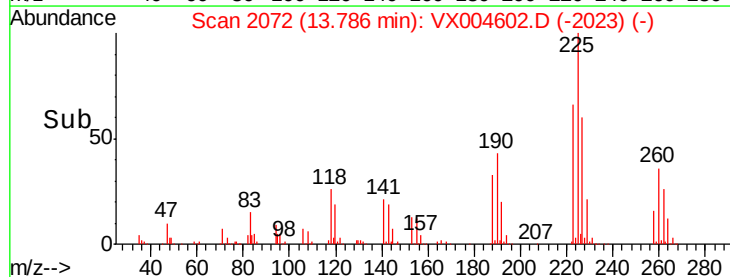
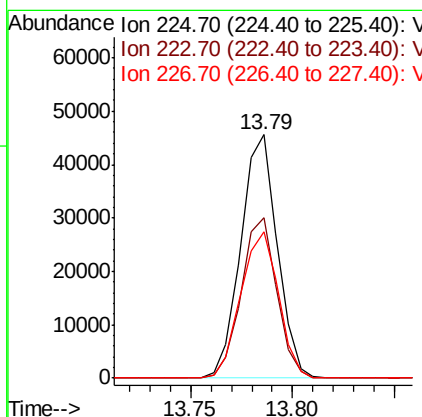
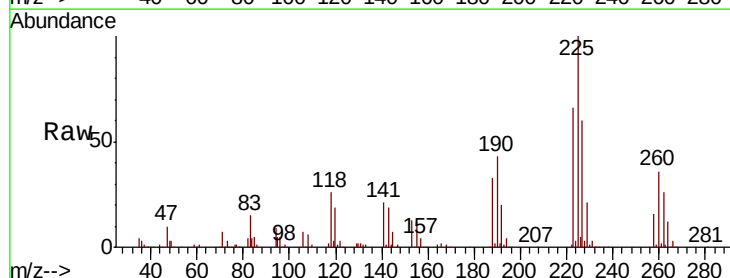
Manual Integrations
 APPROVED

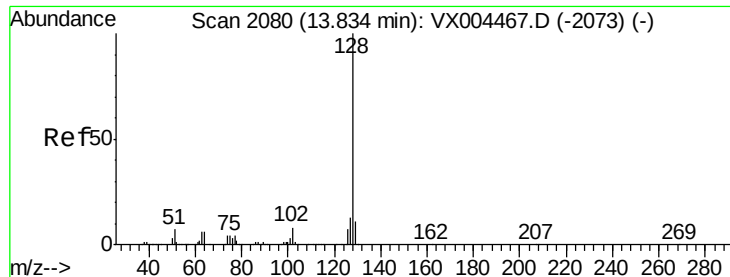
MMDadoda
 9/17/2018 6:27:30 PM



#94
 Hexachlorobutadiene
 Concen: 20.77 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX004602.D
 Acq: 16 Sep 2018 00:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.2	30.1	90.5	
227	62.2	30.8	92.4	





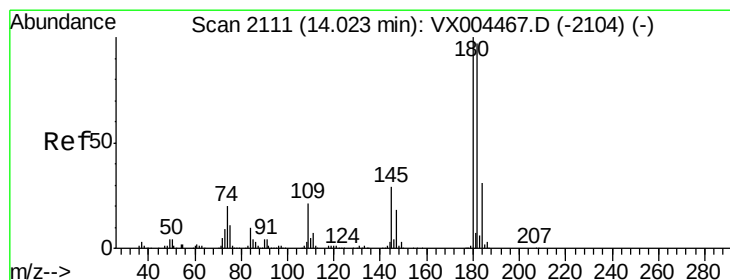
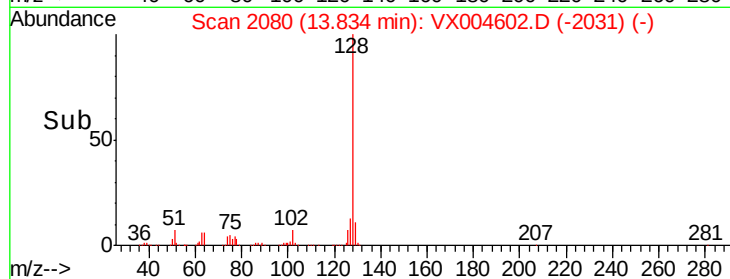
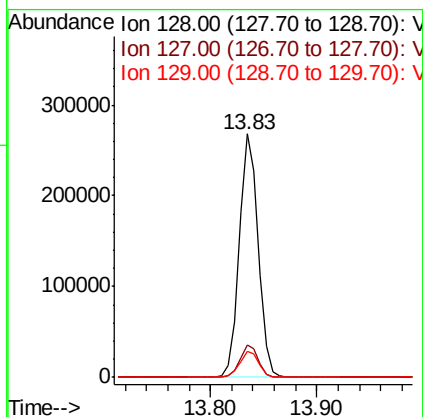
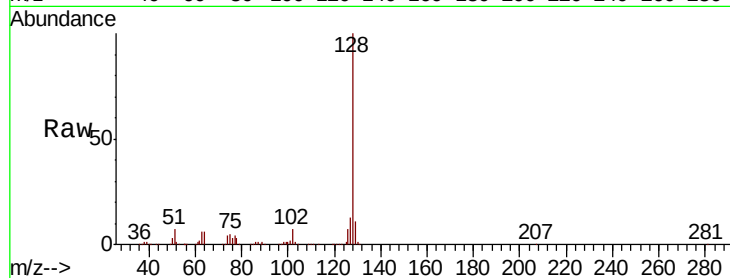
#95
Naphthalene
Concen: 22.75 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX004602.D
Acq: 16 Sep 2018 00:00

Instrument :
MSVOA_X
ClientSampled :
VX0915WBSD02

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/17/2018 6:27:30 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.53 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.01 min
Lab File: VX004602.D
Acq: 16 Sep 2018 00:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	48.5	145.6
145	29.8	14.9	44.9

