

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092618\
 Data File : VX004736.D
 Acq On : 26 Sep 2018 19:42
 Operator : JC/MD
 Sample : VX0926WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0926WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/1/2018 1:31:00 PM

Quant Time: Sep 27 02:10:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 26 14:17:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	254453	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	360114	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	342053	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	203782	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	198735	54.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.34%	
35) Dibromofluoromethane	5.50	113	160437	52.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.14%	
50) Toluene-d8	8.71	98	559053	55.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.20%	
62) 4-Bromofluorobenzene	11.14	95	202049	55.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	81505	23.493	ug/l	99
3) Chloromethane	1.32	50	93414	22.193	ug/l	99
4) Vinyl Chloride	1.40	62	84771	21.473	ug/l	100
5) Bromomethane	1.64	94	53681	22.931	ug/l	98
6) Chloroethane	1.72	64	51425	22.628	ug/l	96
7) Trichlorofluoromethane	1.93	101	110611	22.632	ug/l	98
8) Diethyl Ether	2.19	74	41968	19.766	ug/l	78
9) 1,1,2-Trichlorotrifluoroet	2.38	101	59128	21.239	ug/l	96
10) Methyl Iodide	2.51	142	76843	20.627	ug/l	100
11) Tert butyl alcohol	3.08	59	113259	111.438	ug/l	98
12) 1,1-Dichloroethene	2.37	96	57817	20.970	ug/l	98
13) Acrolein	2.29	56	69525	96.145	ug/l	95
14) Allyl chloride	2.73	41	132327	21.997	ug/l	95
15) Acrylonitrile	3.15	53	247159	110.469	ug/l	95
16) Acetone	2.45	43	231561	109.119	ug/l	91
17) Carbon Disulfide	2.57	76	167755	20.249	ug/l	99
18) Methyl Acetate	2.78	43	116763	21.717	ug/l	93
19) Methyl tert-butyl Ether	3.21	73	208507	21.925	ug/l	99
20) Methylene Chloride	2.85	84	73571	23.398	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	65114	21.574	ug/l	93
22) Diisopropyl ether	3.87	45	230789	22.783	ug/l	96
23) Vinyl Acetate	3.82	43	1031953	111.291	ug/l	96
24) 1,1-Dichloroethane	3.69	63	121809	20.158	ug/l	97
25) 2-Butanone	4.70	43	350508	112.053	ug/l	98
26) 2,2-Dichloropropane	4.58	77	91907	21.842	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	73724	21.866	ug/l	98
28) Bromochloromethane	5.01	49	58834	20.676	ug/l	89
29) Tetrahydrofuran	5.16	42	228630	117.596	ug/l	92
30) Chloroform	5.21	83	121676	21.306	ug/l	92
31) Cyclohexane	5.57	56	107893	23.329	ug/l	87
32) 1,1,1-Trichloroethane	5.49	97	100427	21.533	ug/l	97
36) 1,1-Dichloropropene	5.80	75	85939	20.638	ug/l	99
37) Ethyl Acetate	4.86	43	123906	22.417	ug/l	98
38) Carbon Tetrachloride	5.78	117	84836	19.381	ug/l	97

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Quant Time: Sep 27 02:10:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 26 14:17:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	90433	21.268	ug/l	91
40) Benzene	6.13	78	275011	21.096	ug/l	97
41) Methacrylonitrile	5.07	41	64889	21.168	ug/l	96
42) 1,2-Dichloroethane	6.20	62	97771	21.215	ug/l	98
43) Isopropyl Acetate	6.46	43	173284	21.720	ug/l	95
44) Trichloroethene	7.21	130	67477	21.055	ug/l	98
45) 1,2-Dichloropropane	7.52	63	67082	20.983	ug/l	99
46) Dibromomethane	7.66	93	43778	21.789	ug/l	96
47) Bromodichloromethane	7.90	83	81340	21.623	ug/l	99
48) Methyl methacrylate	7.78	41	83908	23.172	ug/l	93
49) 1,4-Dioxane	7.76	88	40680	452.192	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	586738	116.803	ug/l	92
52) Toluene	8.79	92	154520	21.571	ug/l	96
53) t-1,3-Dichloropropene	9.04	75	87519	20.589	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	98348	22.089	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	65523	20.882	ug/l	97
56) Ethyl methacrylate	9.18	69	95661	20.574	ug/l	93
57) 1,3-Dichloropropane	9.37	76	109518	20.971	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	284358	113.427	ug/l	94
59) 2-Hexanone	9.50	43	460130	109.921	ug/l	93
60) Dibromochloromethane	9.59	129	63809	20.334	ug/l	99
61) 1,2-Dibromoethane	9.67	107	67882	20.201	ug/l	99
64) Tetrachloroethene	9.34	164	66340	19.706	ug/l	98
65) Chlorobenzene	10.14	112	173601	19.792	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.23	131	61088	19.811	ug/l	99
67) Ethyl Benzene	10.26	91	285158	20.478	ug/l	96
68) m/p-Xylenes	10.36	106	224982	41.344	ug/l	95
69) o-Xylene	10.70	106	107275	21.463	ug/l	97
70) Styrene	10.71	104	181161	20.690	ug/l	97
71) Bromoform	10.86	173	51150	19.375	ug/l #	100
73) Isopropylbenzene	11.02	105	284612	22.158	ug/l	100
74) N-amyl acetate	10.90	43	135729	20.301	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.27	83	105484	20.174	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	96715m	21.175	ug/l	
77) Bromobenzene	11.26	156	77915	20.884	ug/l	97
78) n-propylbenzene	11.36	91	327430	22.217	ug/l	99
79) 2-Chlorotoluene	11.42	91	201142	21.896	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	243025	20.527	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.08	75	28414	18.280	ug/l	97
82) 4-Chlorotoluene	11.51	91	235469	21.777	ug/l	99
83) tert-Butylbenzene	11.77	119	232216	21.958	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	252671	20.696	ug/l	98
85) sec-Butylbenzene	11.94	105	281096	21.822	ug/l	98
86) p-Isopropyltoluene	12.07	119	253764	21.744	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	143082	20.538	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	145480	20.229	ug/l	99
89) n-Butylbenzene	12.39	91	219387	20.699	ug/l	97
90) Hexachloroethane	12.60	117	38098	19.607	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	144260	19.815	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	23755	20.692	ug/l	95

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ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0926WBSD01

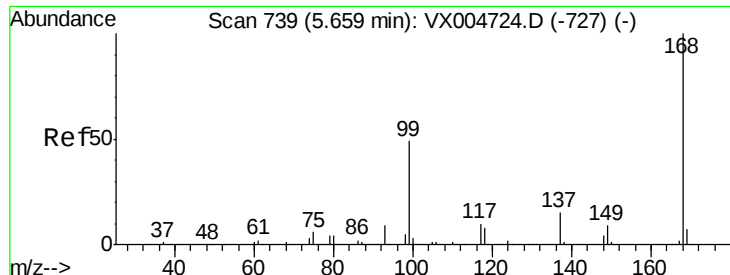
Manual Integrations
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10/1/2018 1:31:00 PM

Quant Time: Sep 27 02:10:21 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 26 14:17:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	102284	20.028	ug/l	99
94) Hexachlorobutadiene	13.79	225	51045	19.275	ug/l	97
95) Naphthalene	13.83	128	330666	19.946	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	107043	20.290	ug/l	100

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



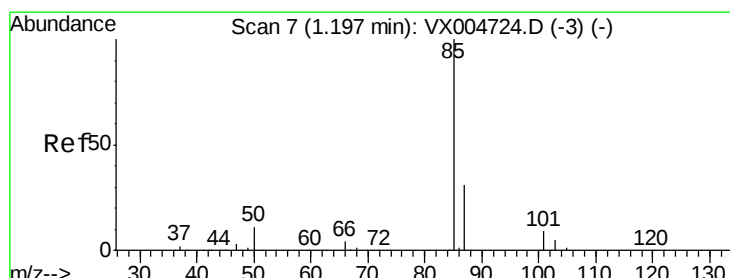
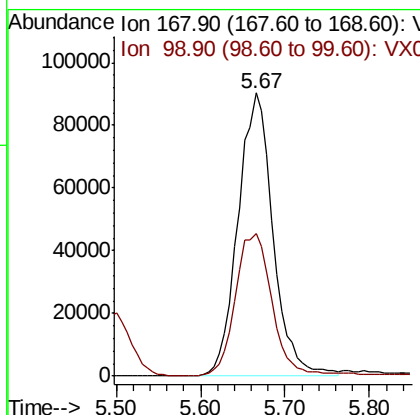
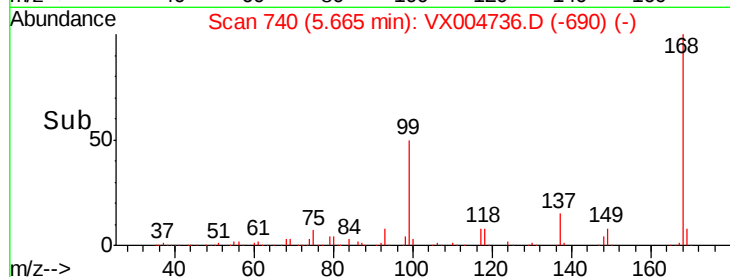
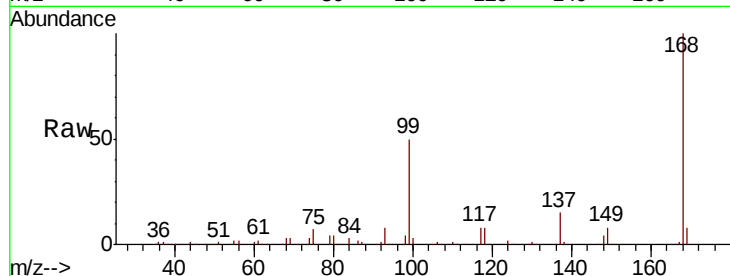
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.01 min
Lab File: VX004736.D
Acq: 26 Sep 2018 19:42

Instrument :
MSVOA_X
ClientSampled :
VX0926WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
168	100	254453		
99	50.0	39.9	59.9	

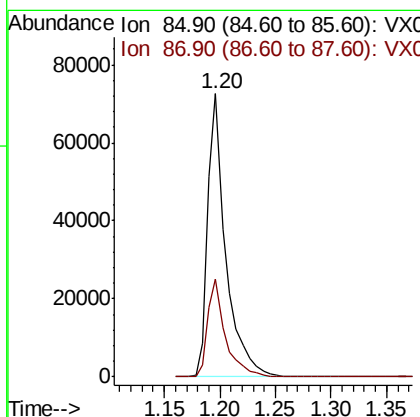
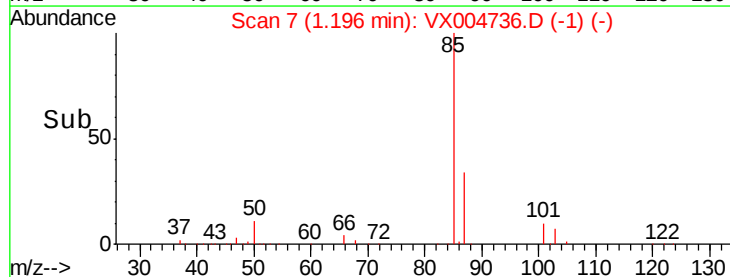
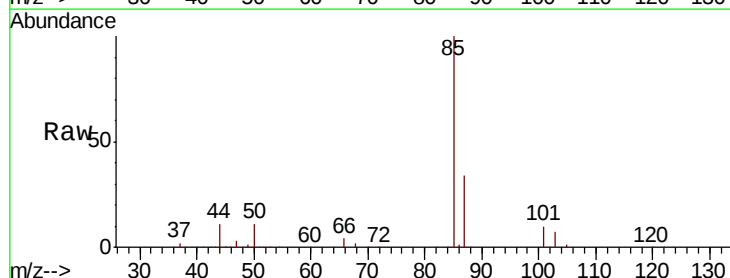
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#2
Dichlorodifluoromethane
Concen: 23.493 ug/l
RT: 1.20 min Scan# 7
Delta R.T. -0.00 min
Lab File: VX004736.D
Acq: 26 Sep 2018 19:42

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	81505		
87	34.5	17.0	50.9	





#3

Chloromethane

Concen: 22.193 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX004736.D

Acq: 26 Sep 2018 19:42

Instrument :

MSVOA_X

ClientSampleId :

VX0926WBSD01

Tot Ion: 50 Resp: 93414

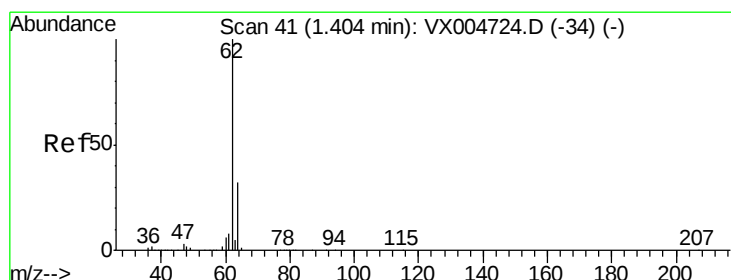
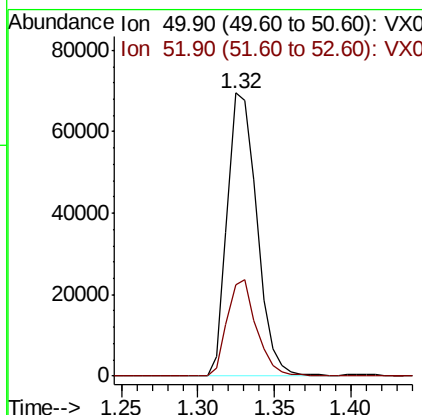
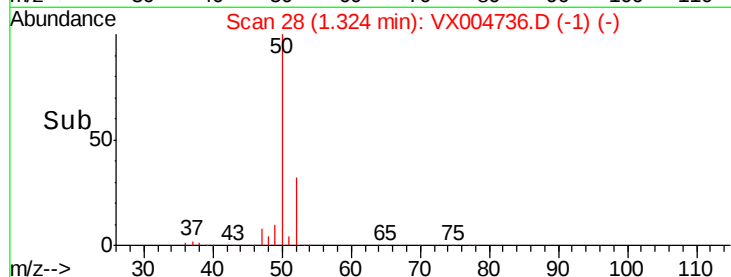
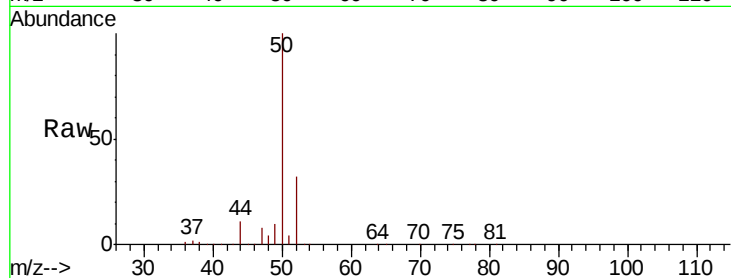
Ion Ratio Lower Upper

50 100

52 32.4 26.2 39.2

Manual Integrations
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#4

Vinyl Chloride

Concen: 21.473 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004736.D

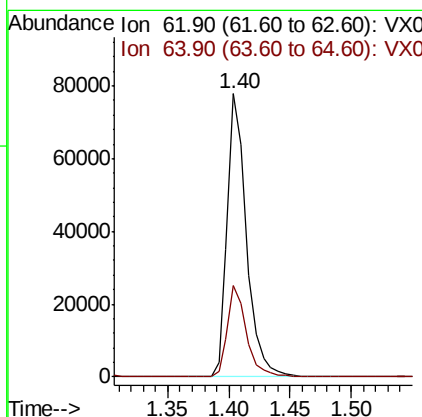
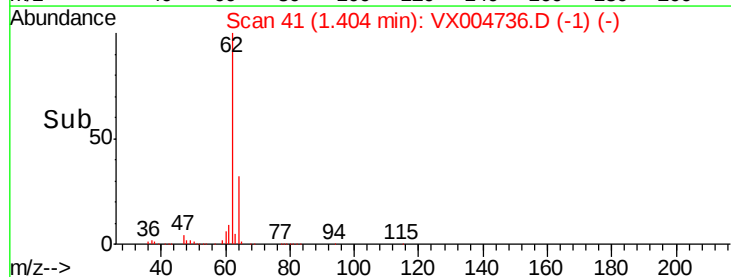
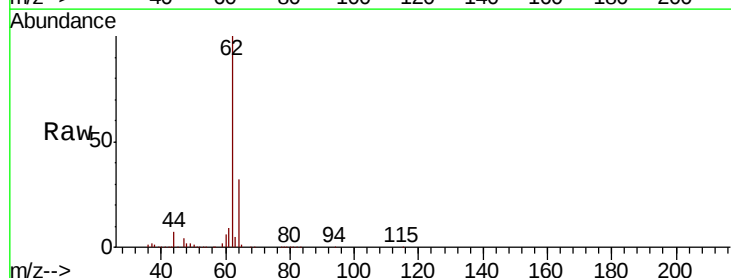
Acq: 26 Sep 2018 19:42

Tgt Ion: 62 Resp: 84771

Ion Ratio Lower Upper

62 100

64 32.2 25.8 38.8





#5

Bromomethane

Concen: 22.931 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX004736.D

Acq: 26 Sep 2018 19:42

Instrument :

MSVOA_X

ClientSampleId :

VX0926WBSD01

Tot Ion: 94 Resp: 53681

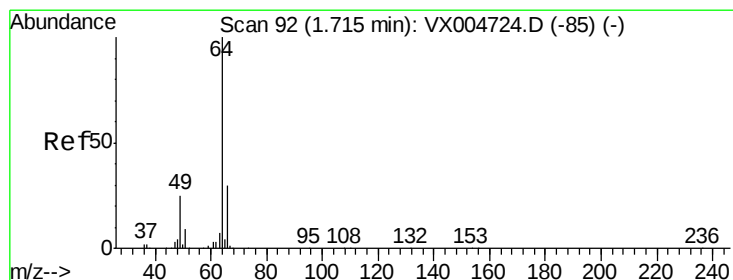
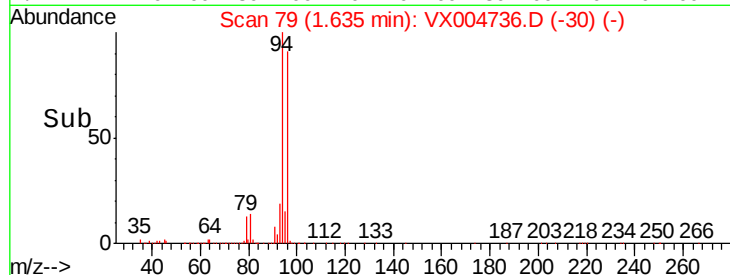
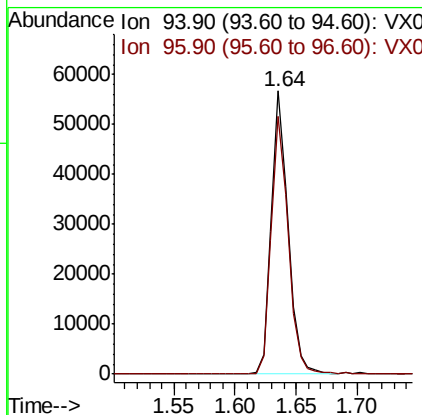
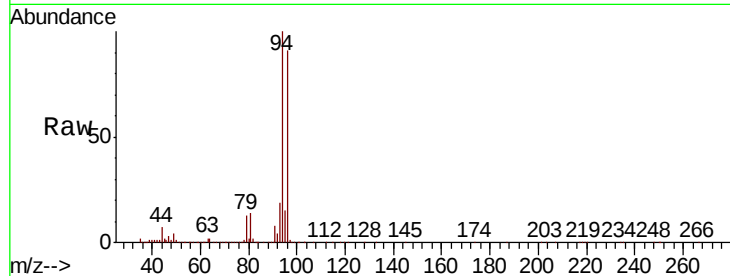
Ion Ratio Lower Upper

94 100

96 91.2 74.5 111.7

Manual Integrations
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#6

Chloroethane

Concen: 22.628 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX004736.D

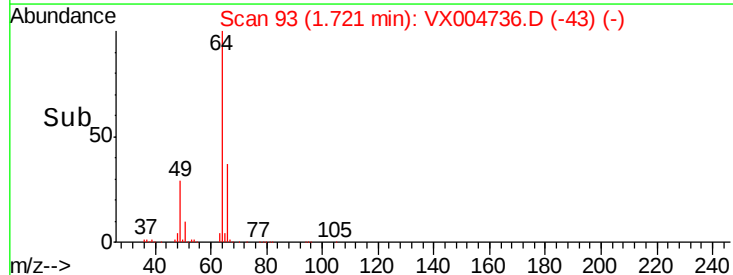
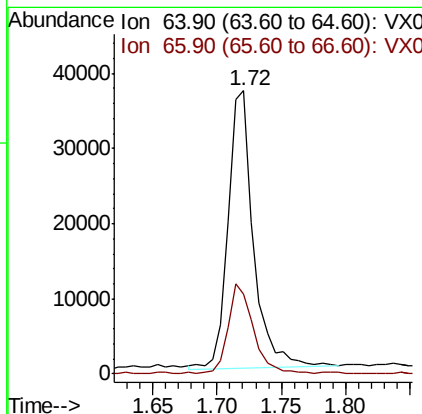
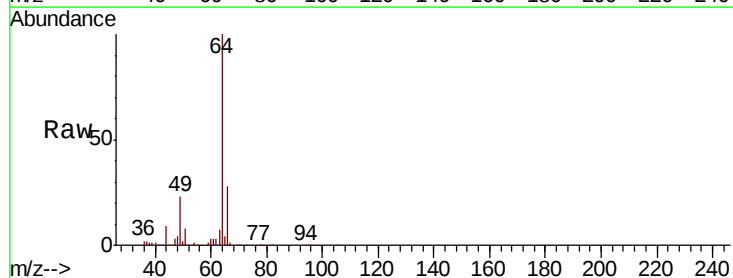
Acq: 26 Sep 2018 19:42

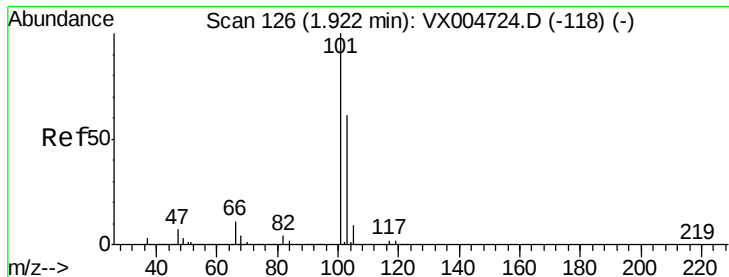
Tgt Ion: 64 Resp: 51425

Ion Ratio Lower Upper

64 100

66 28.6 24.6 36.8





#7

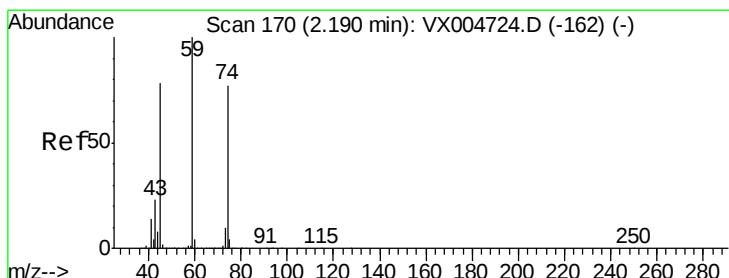
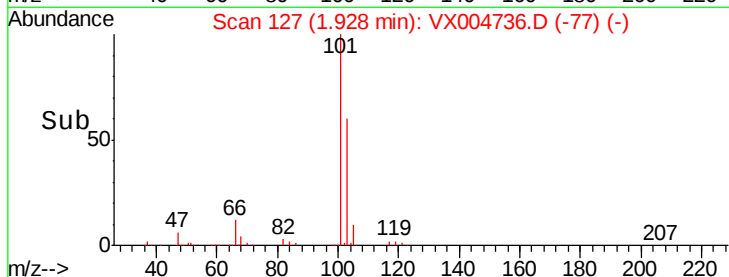
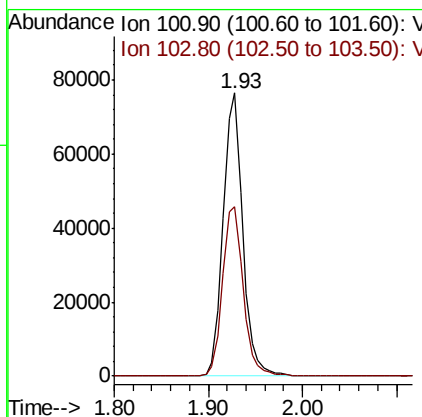
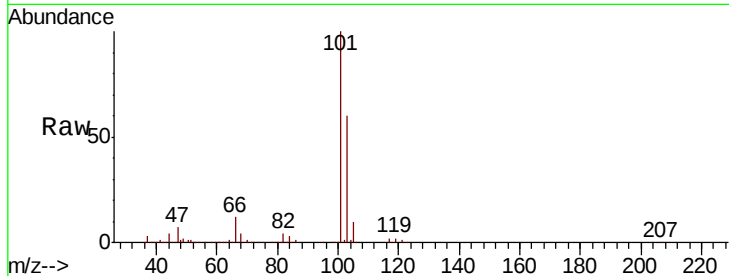
Trichlorofluoromethane
 Concen: 22.632 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX004736.D
 Acq: 26 Sep 2018 19:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0926WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	110611		
103	59.8	48.9	73.3	

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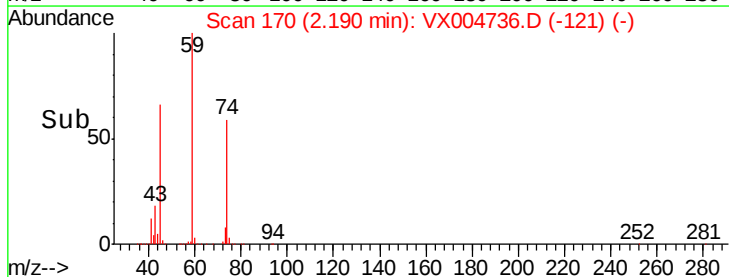
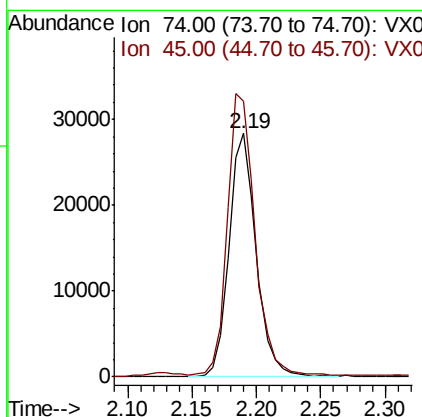
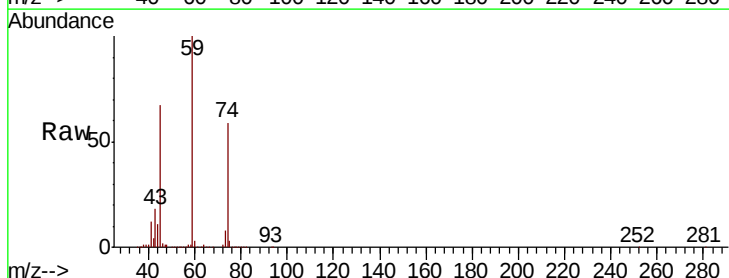
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#8

Diethyl Ether
 Concen: 19.766 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX004736.D
 Acq: 26 Sep 2018 19:42

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	41968		
45	118.0	48.3	144.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.239 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX004736.D

Acq: 26 Sep 2018 19:42

Instrument :

MSVOA_X

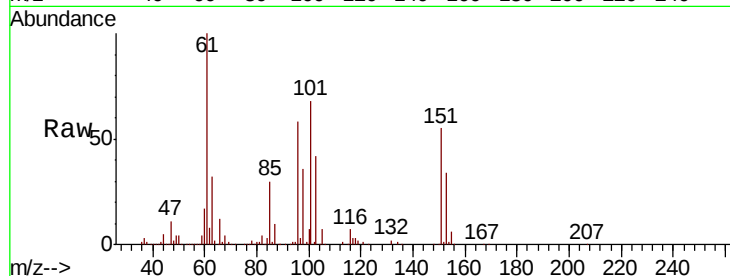
ClientSampleId :

VX0926WBSD01

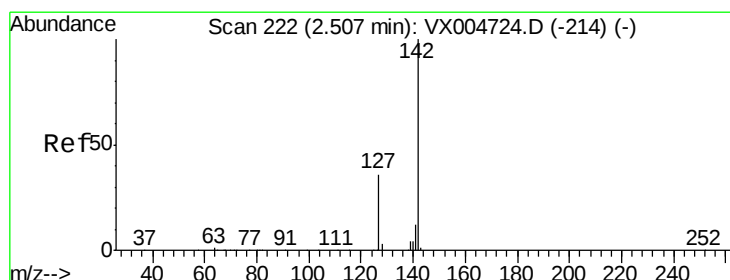
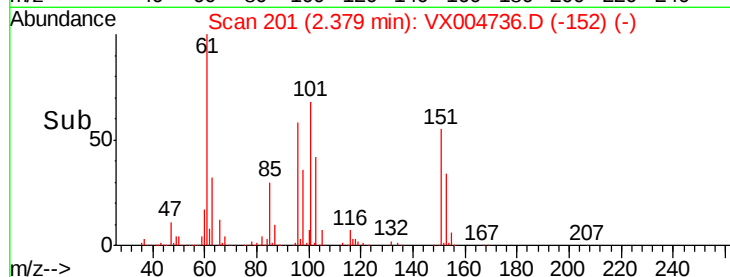
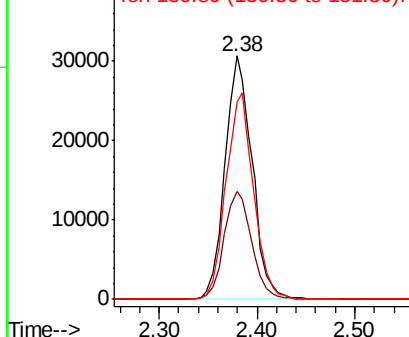
Tot Ion:	101	Resp:	59128
Ion Ratio	Lower	Upper	
101	100		
85	45.2	34.2	51.4
151	85.6	65.0	97.6

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.627 ug/l

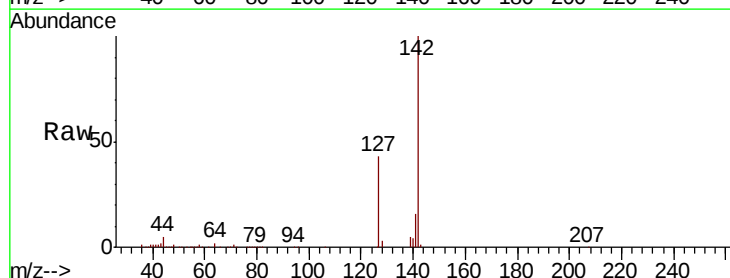
RT: 2.51 min Scan# 222

Delta R.T. -0.00 min

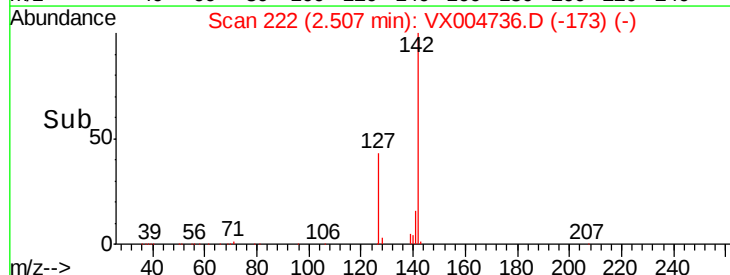
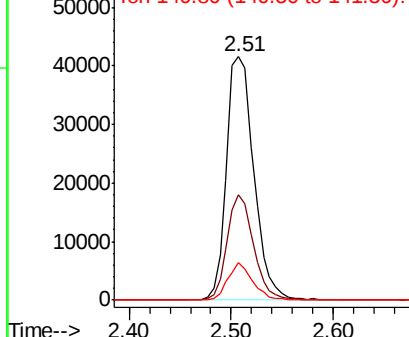
Lab File: VX004736.D

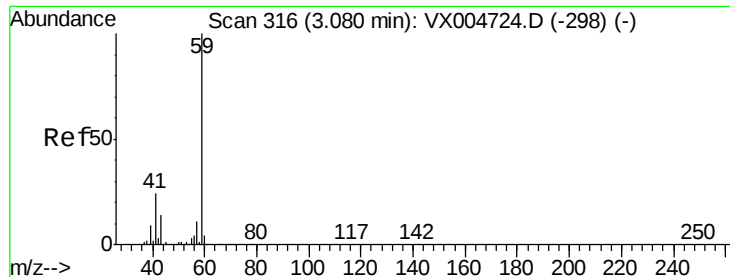
Acq: 26 Sep 2018 19:42

Tgt Ion:	142	Resp:	76843
Ion Ratio	Lower	Upper	
142	100		
127	42.0	33.8	50.6
141	14.2	11.4	17.0



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

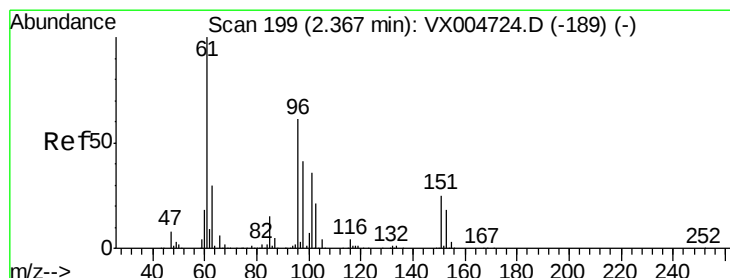
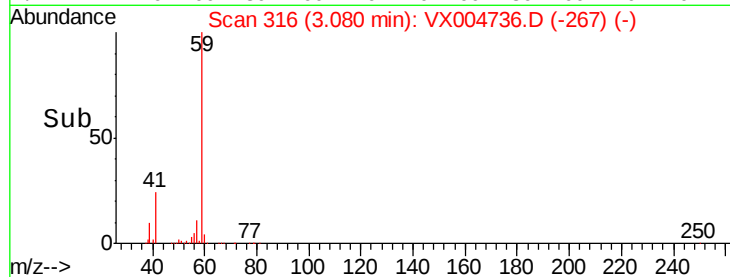
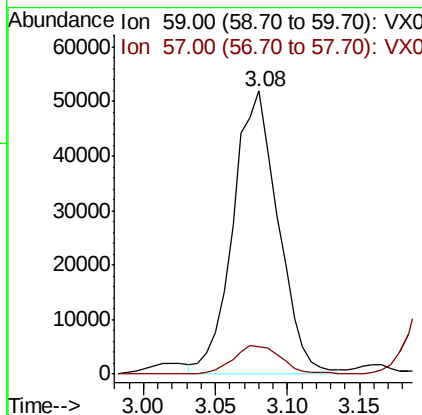
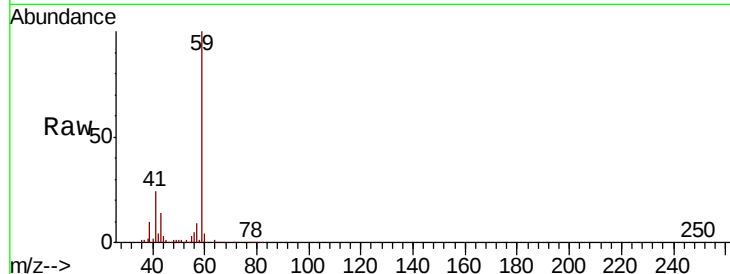
Tert butyl alcohol
 Concen: 111.438 ug/l
 RT: 3.08 min Scan# 316
 Delta R.T. -0.00 min
 Lab File: VX004736.D
 Acq: 26 Sep 2018 19:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0926WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.2	12.4

Manual Integrations
 APPROVED

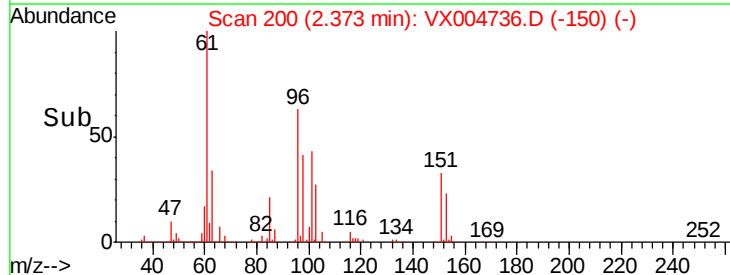
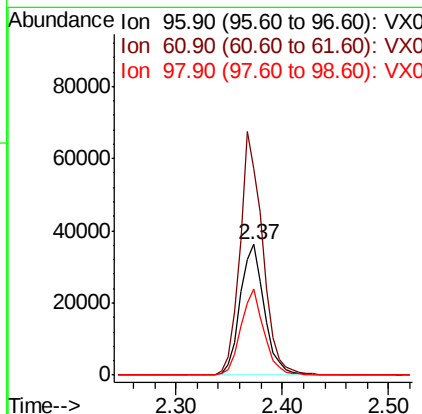
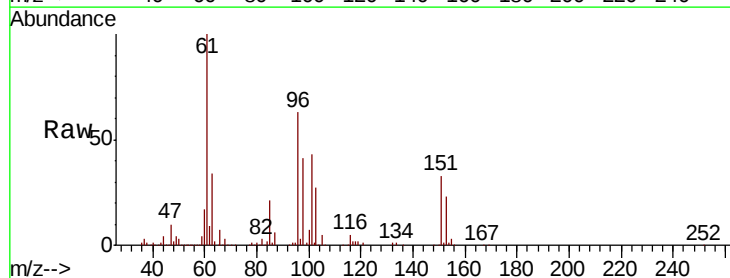
MMDadoda
 10/1/2018 1:31:00 PM



#12

1,1-Dichloroethene
 Concen: 20.970 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.01 min
 Lab File: VX004736.D
 Acq: 26 Sep 2018 19:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.4	128.8	193.2
98	65.7	52.2	78.2





#13

Acrolein

Concen: 96.145 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX004736.D

Acq: 26 Sep 2018 19:42

Instrument :

MSVOA_X

ClientSampleId :

VX0926WBSD01

Tot Ion: 56 Resp: 69525

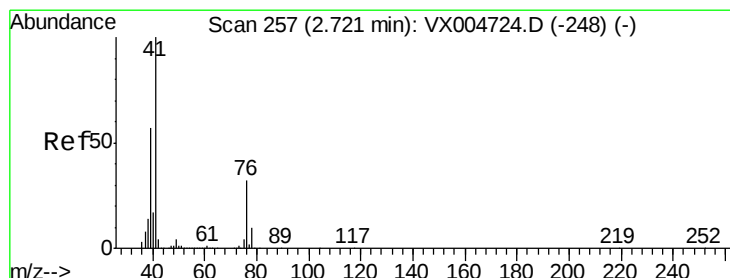
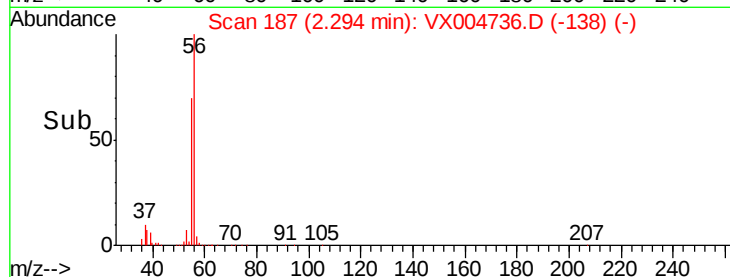
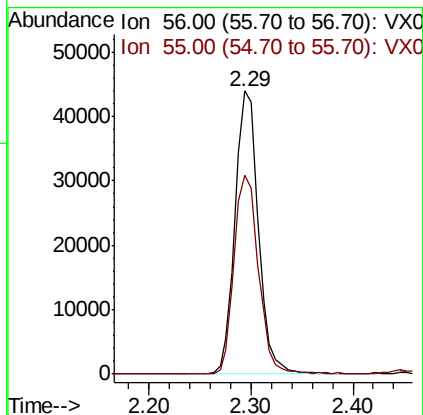
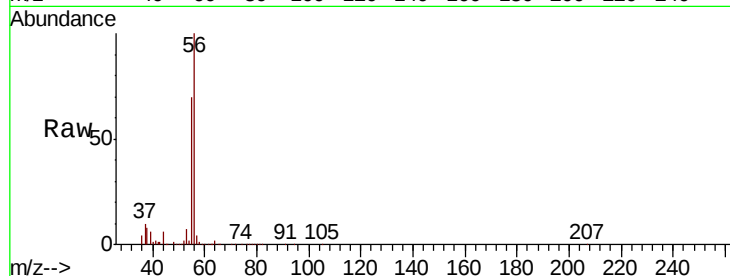
Ion Ratio Lower Upper

56 100

55 72.5 54.7 82.1

Manual Integrations
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#14

Allyl chloride

Concen: 21.997 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX004736.D

Acq: 26 Sep 2018 19:42

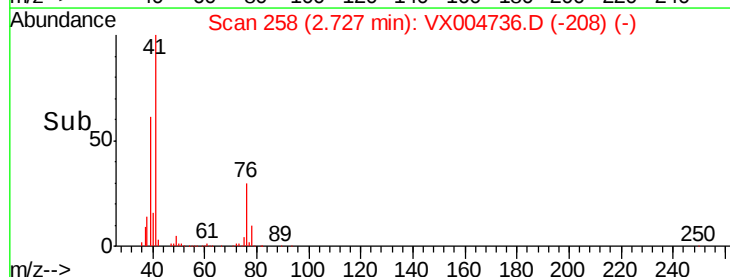
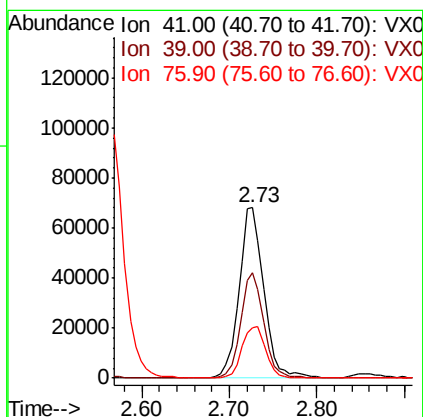
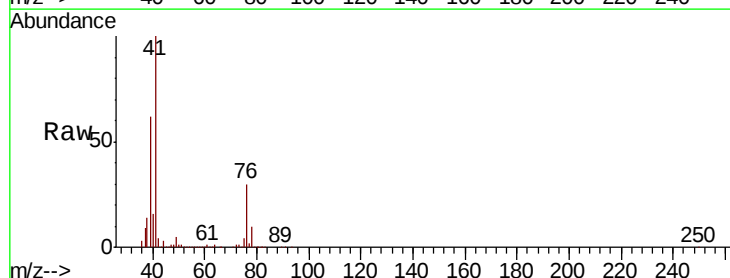
Tgt Ion: 41 Resp: 132327

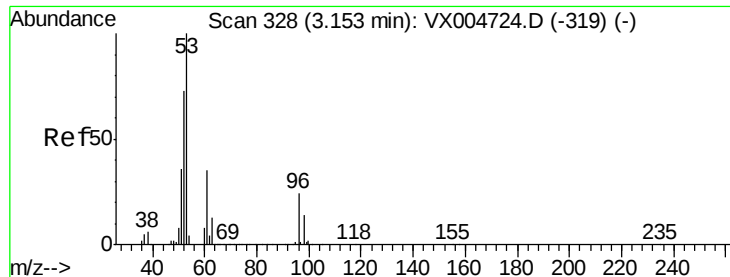
Ion Ratio Lower Upper

41 100

39 57.4 48.9 73.3

76 29.8 26.7 40.1





#15

Acrylonitrile

Concen: 110.469 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VX004736.D

Acq: 26 Sep 2018 19:42

Instrument :

MSVOA_X

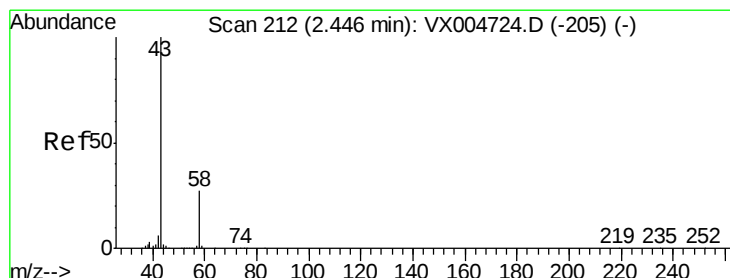
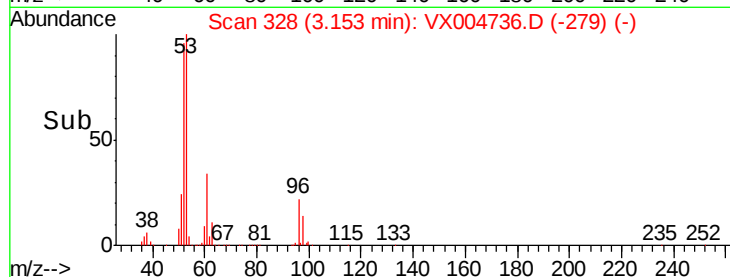
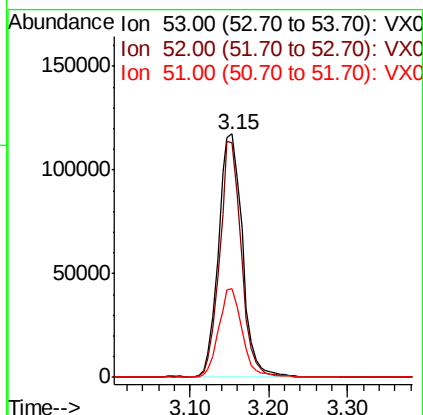
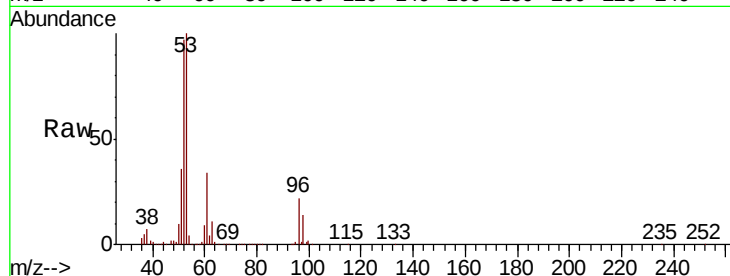
ClientSampleId :

VX0926WBSD01

Tot Ion:	53	Resp:	247159
Ion Ratio	Lower	Upper	
53	100		
52	88.0	65.2	97.8
51	35.8	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 109.119 ug/l

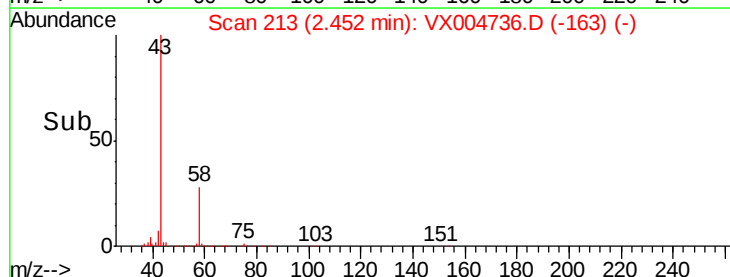
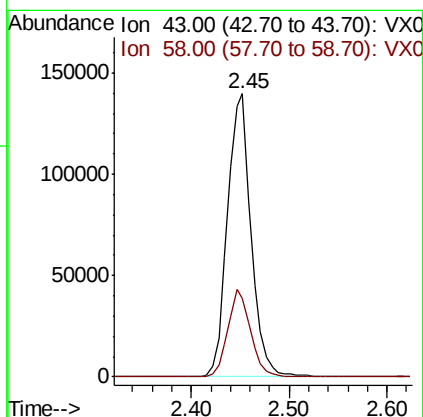
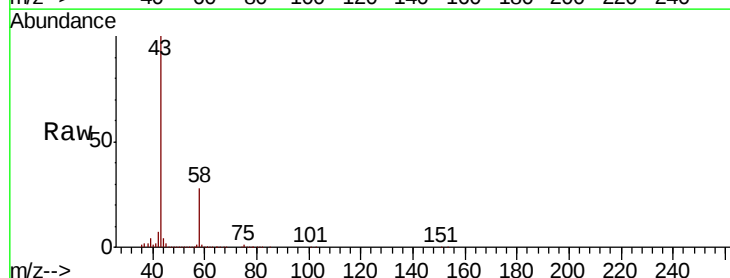
RT: 2.45 min Scan# 213

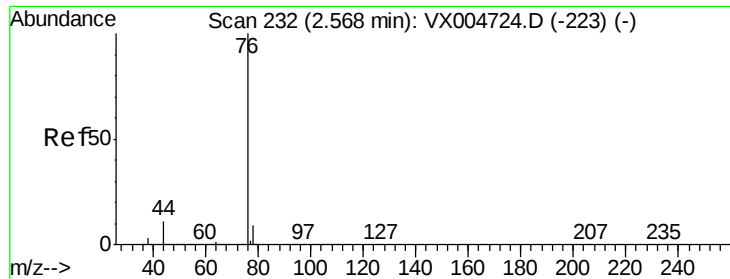
Delta R.T. 0.01 min

Lab File: VX004736.D

Acq: 26 Sep 2018 19:42

Tgt Ion:	43	Resp:	231561
Ion Ratio	Lower	Upper	
43	100		
58	27.8	26.2	39.4





#17

Carbon Disulfide

Concen: 20.249 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX004736.D

Acq: 26 Sep 2018 19:42

Instrument :

MSVOA_X

ClientSampleId :

VX0926WBSD01

Tot Ion: 76 Resp: 167755

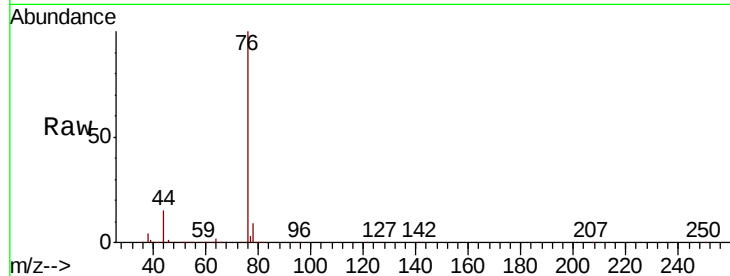
Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.6

Manual Integrations
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

100000

80000

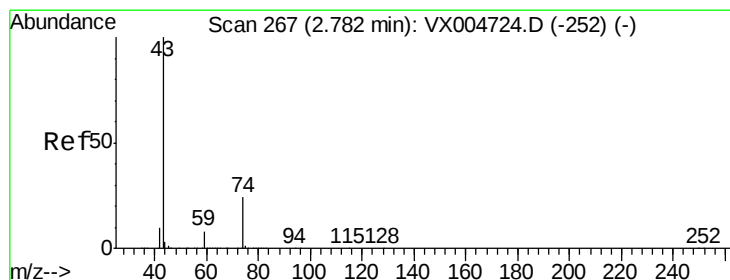
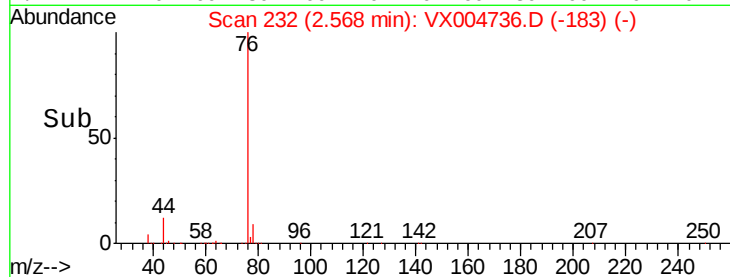
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 21.717 ug/l

RT: 2.78 min Scan# 267

Delta R.T. -0.00 min

Lab File: VX004736.D

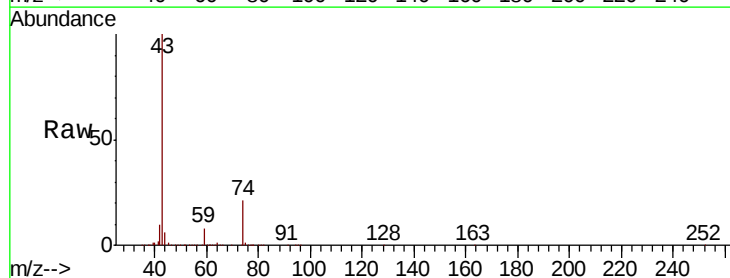
Acq: 26 Sep 2018 19:42

Tgt Ion: 43 Resp: 116763

Ion Ratio Lower Upper

43 100

74 20.9 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

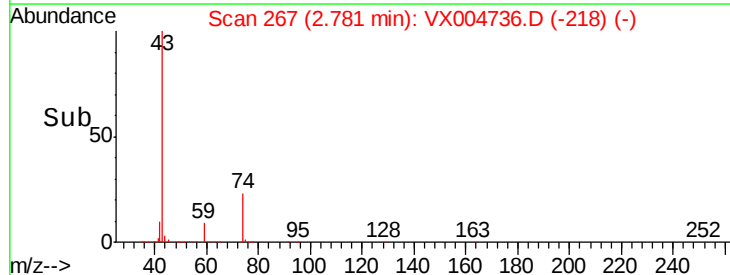
60000

40000

20000

0

Time-->





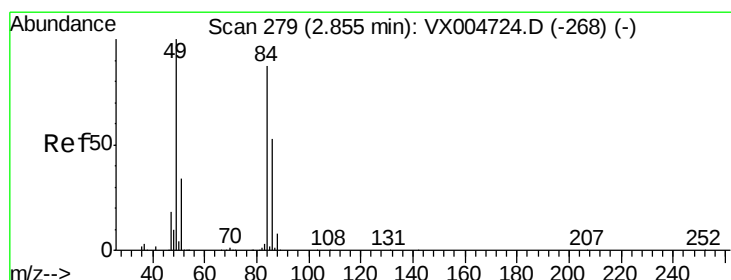
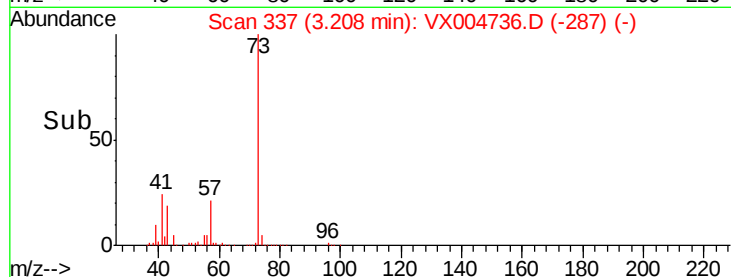
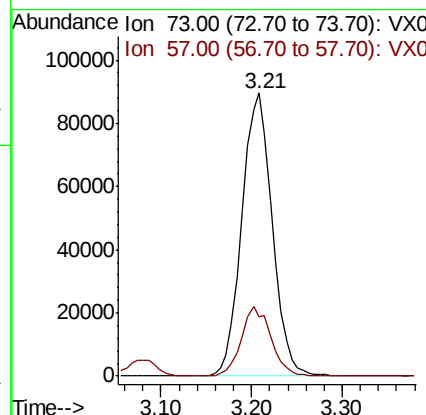
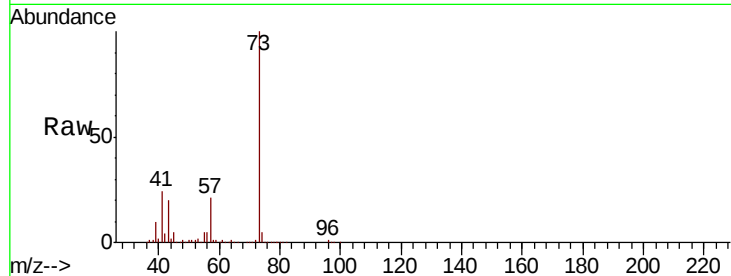
#19
Methvl tert-butvl Ether
Concen: 21.925 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX004736.D
Acq: 26 Sep 2018 19:42

Instrument :
MSVOA_X
ClientSampleId :
VX0926WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.0	17.1	25.7

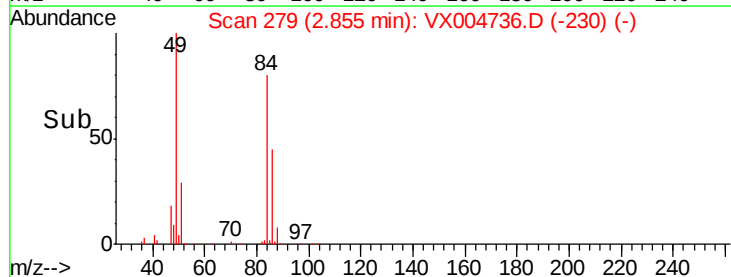
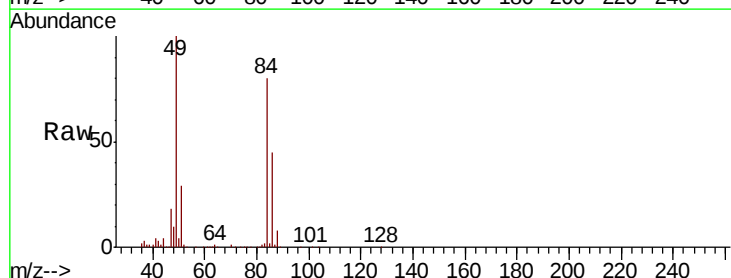
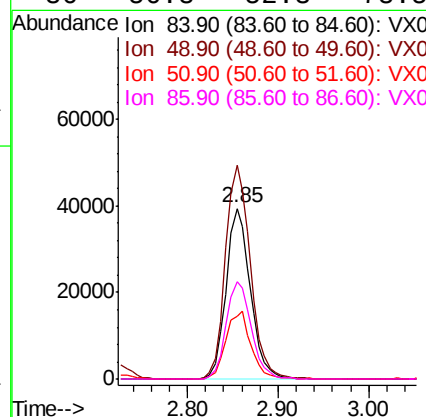
Manual Integrations
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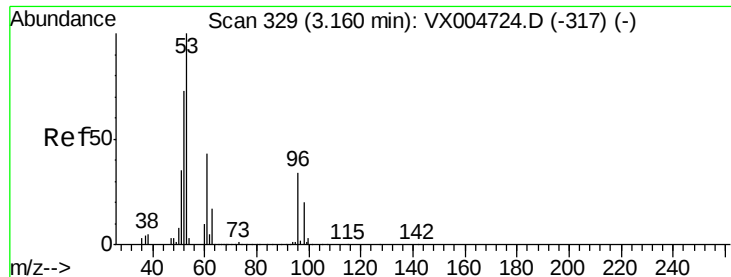
MMDadoda
10/1/2018 1:31:00 PM



#20
Methylene Chloride
Concen: 23.398 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX004736.D
Acq: 26 Sep 2018 19:42

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.1	101.2	151.8
51	36.5	29.5	44.3
86	56.8	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 21.574 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX004736.D

Acq: 26 Sep 2018 19:42

Instrument :

MSVOA_X

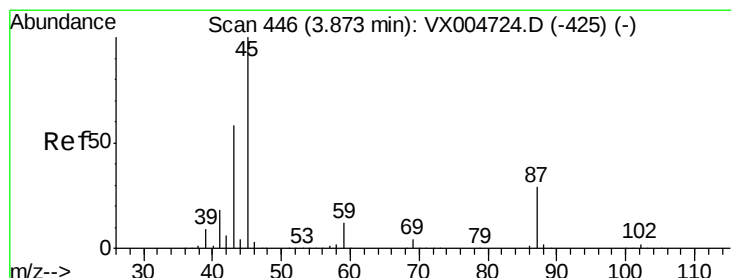
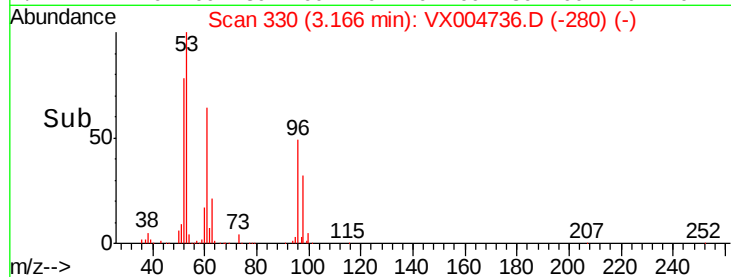
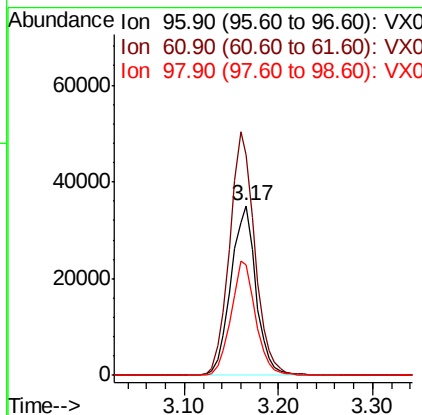
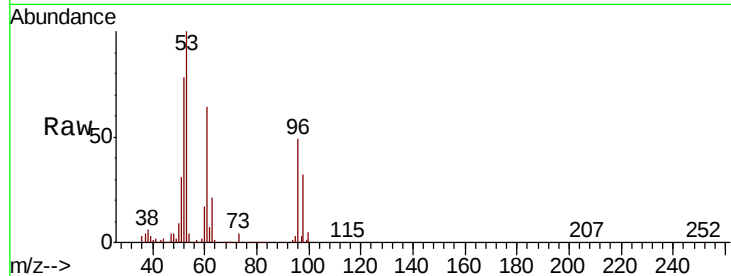
ClientSampleId :

VX0926WBSD01

Tot Ion:	96	Resp:	65114
Ion	Ratio	Lower	Upper
96	100		
61	129.3	113.8	170.6
98	64.7	51.8	77.8

Manual Integrations
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10/1/2018 1:31:00 PM



#22

Diisopropyl ether

Concen: 22.783 ug/l

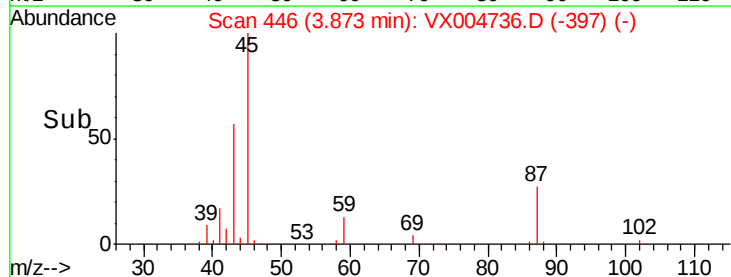
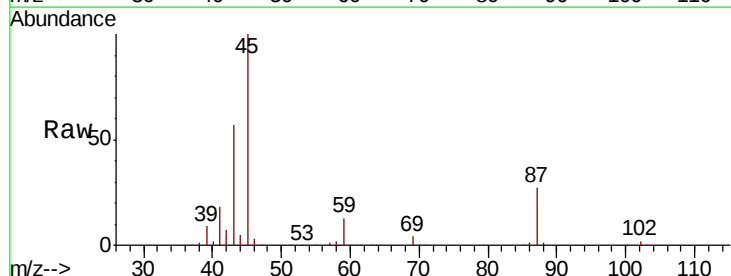
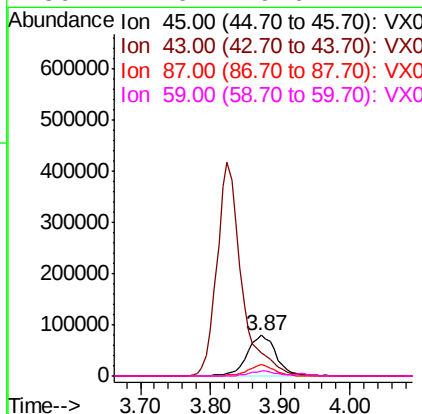
RT: 3.87 min Scan# 446

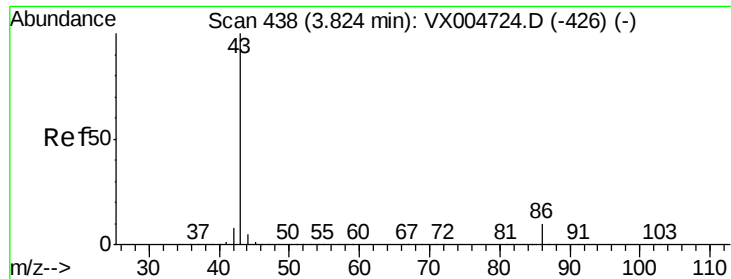
Delta R.T. -0.00 min

Lab File: VX004736.D

Acq: 26 Sep 2018 19:42

Tgt Ion:	45	Resp:	230789
Ion	Ratio	Lower	Upper
45	100		
43	56.7	42.8	64.2
87	26.8	22.6	34.0
59	12.6	9.6	14.4





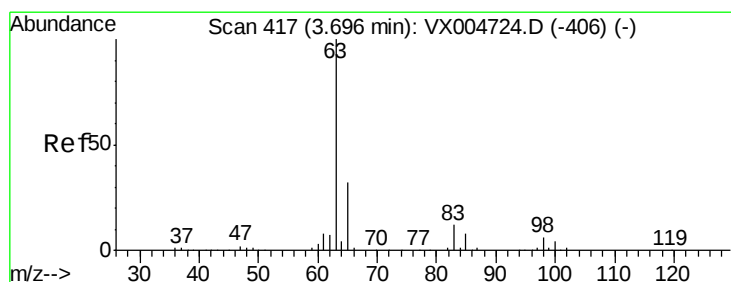
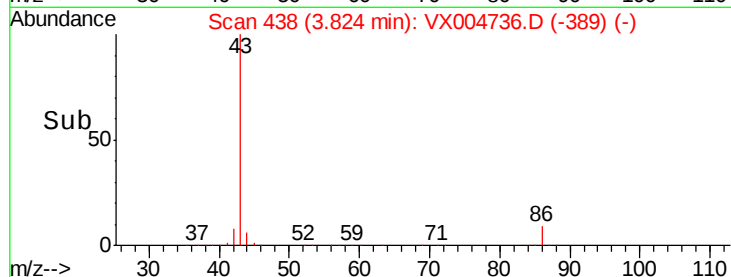
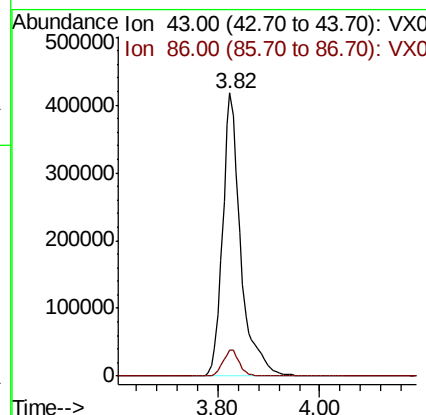
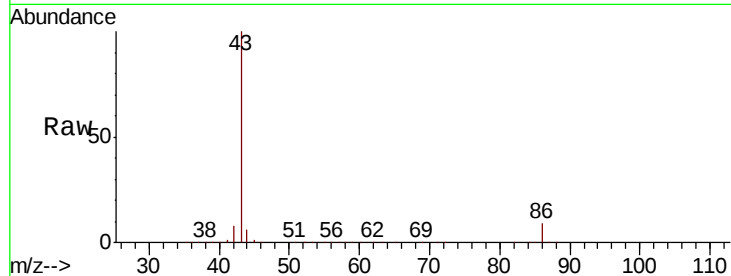
#23
 Vinyl Acetate
 Concen: 111.291 ug/l
 RT: 3.82 min Scan# 438
 Delta R.T. -0.00 min
 Lab File: VX004736.D
 Acq: 26 Sep 2018 19:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0926WBSD01

Tot Ion: 43 Resp: 1031953
 Ion Ratio Lower Upper
 43 100
 86 9.4 8.9 13.3

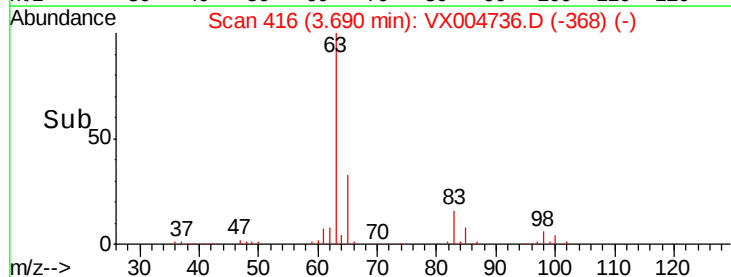
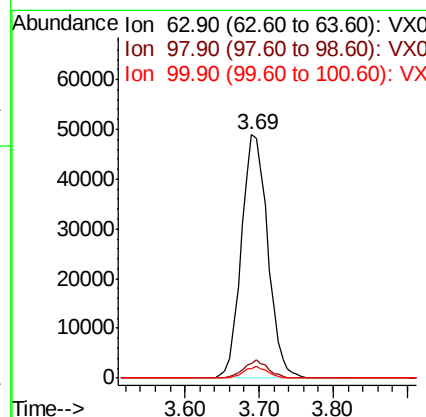
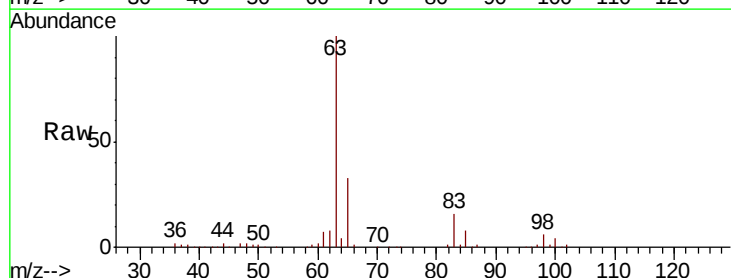
Manual Integrations
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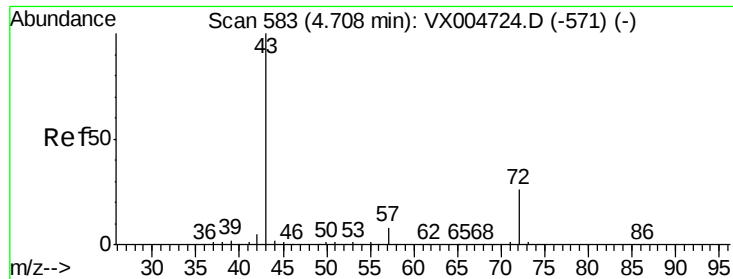
MMDadoda
 10/1/2018 1:31:00 PM



#24
 1,1-Dichloroethane
 Concen: 20.158 ug/l
 RT: 3.69 min Scan# 416
 Delta R.T. -0.01 min
 Lab File: VX004736.D
 Acq: 26 Sep 2018 19:42

Tgt Ion: 63 Resp: 121809
 Ion Ratio Lower Upper
 63 100
 98 5.9 3.5 10.4
 100 3.8 2.4 7.1





#25

2-Butanone

Concen: 112.053 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX004736.D

Acq: 26 Sep 2018 19:42

Instrument :

MSVOA_X

ClientSampleId :

VX0926WBSD01

Tot Ion: 43 Resp: 350508

Ion Ratio Lower Upper

43 100

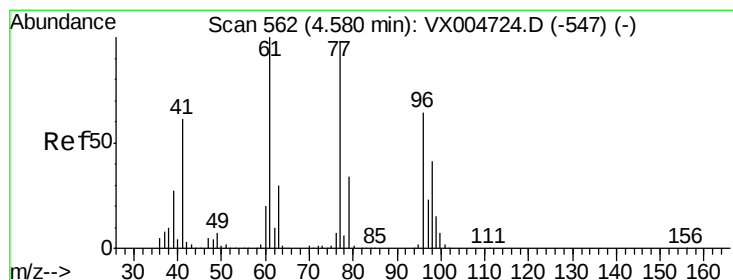
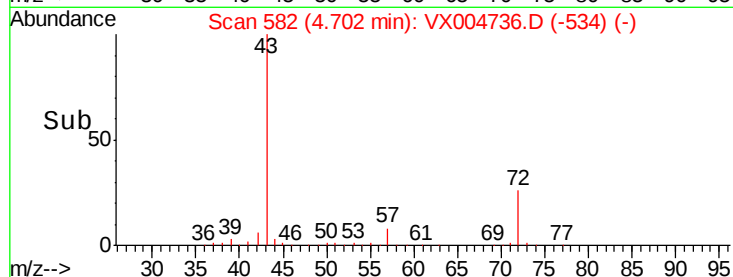
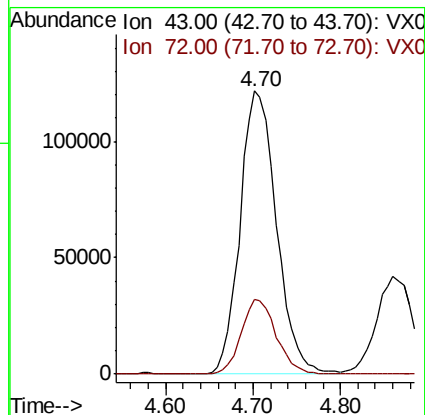
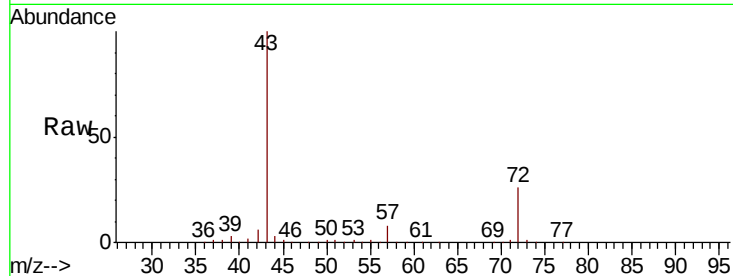
72 26.2 22.0 33.0

Manual Integrations

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MMDadoda

10/1/2018 1:31:00 PM



#26

2,2-Dichloropropane

Concen: 21.842 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX004736.D

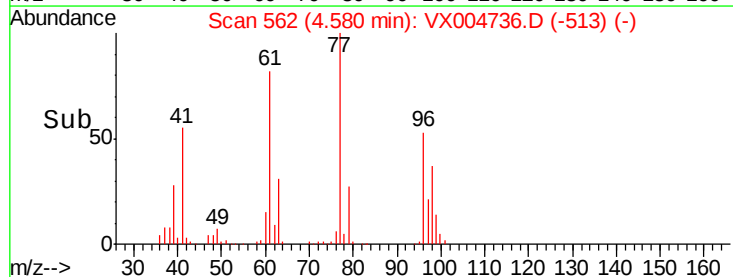
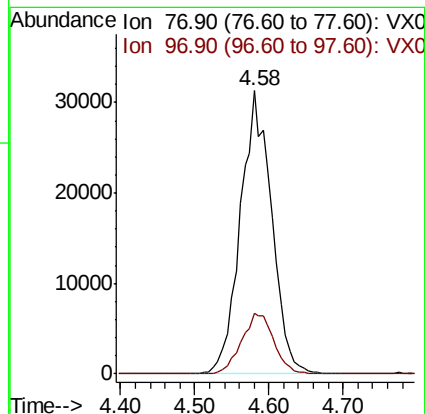
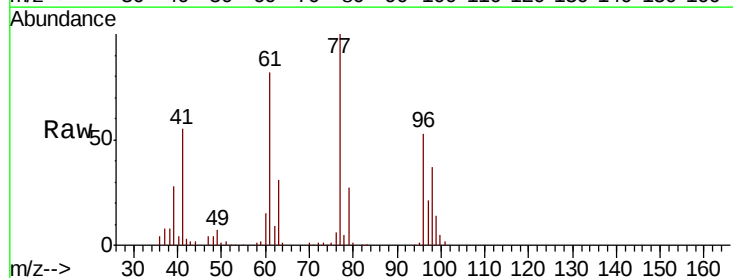
Acq: 26 Sep 2018 19:42

Tgt Ion: 77 Resp: 91907

Ion Ratio Lower Upper

77 100

97 22.1 11.7 35.0





#27

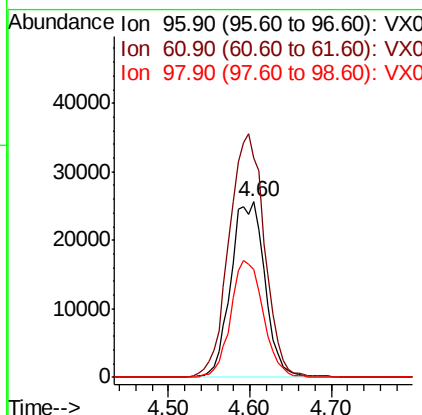
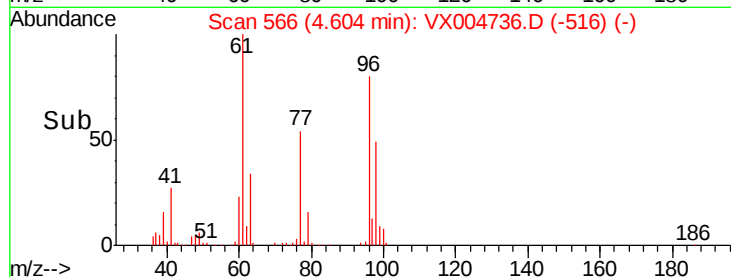
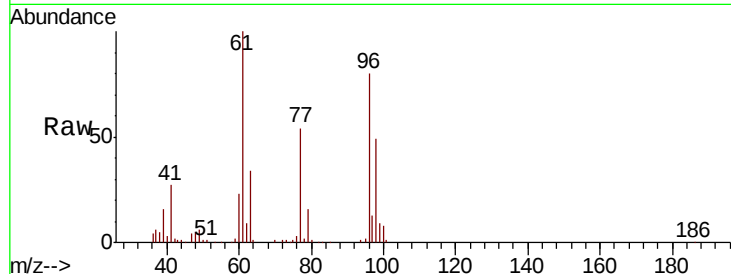
cis-1,2-Dichloroethene
Concen: 21.866 ug/l
RT: 4.60 min Scan# 566
Delta R.T. 0.01 min
Lab File: VX004736.D
Acq: 26 Sep 2018 19:42

Instrument :
MSVOA_X
ClientSampleId :
VX0926WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.7	0.0	282.6
98	63.9	0.0	130.2

Manual Integrations
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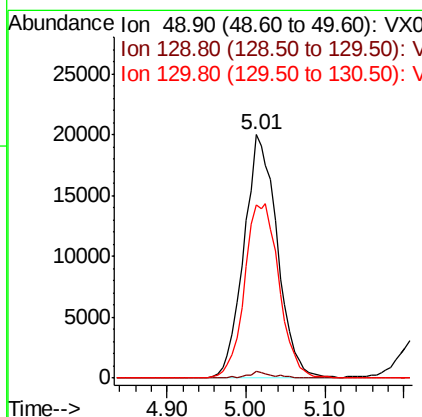
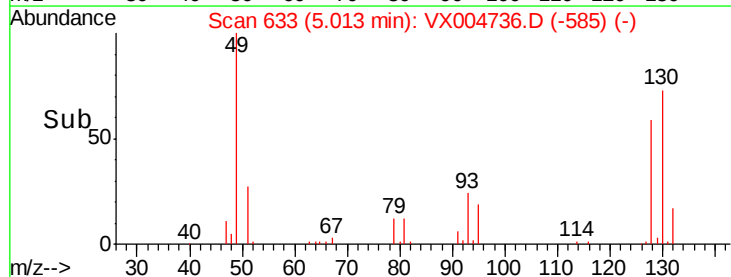
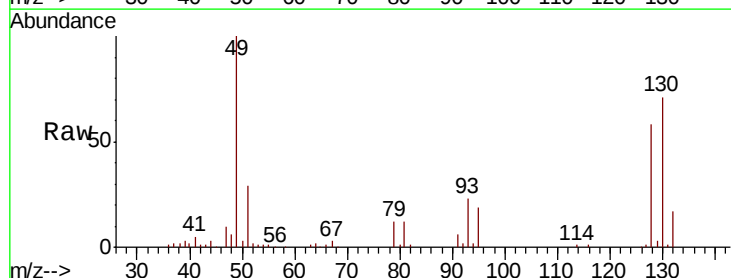
MMDadoda
10/1/2018 1:31:00 PM

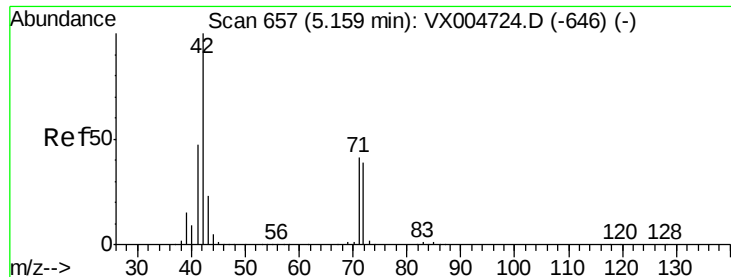


#28

Bromochloromethane
Concen: 20.676 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX004736.D
Acq: 26 Sep 2018 19:42

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	74.2	67.5	101.3





#29

Tetrahydrofuran

Concen: 117.596 ug/l

RT: 5.16 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX004736.D

Acq: 26 Sep 2018 19:42

Instrument :

MSVOA_X

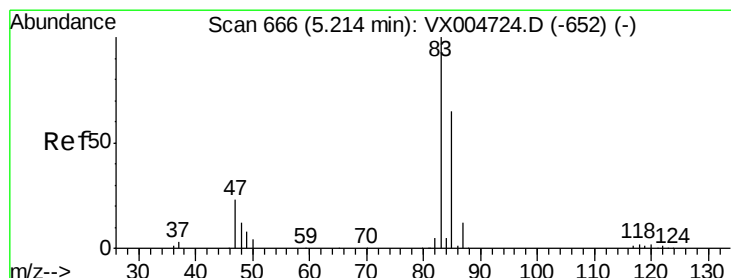
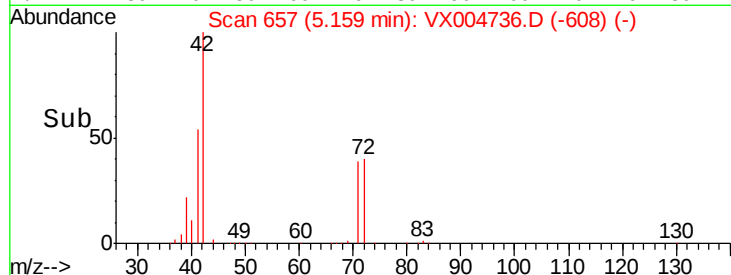
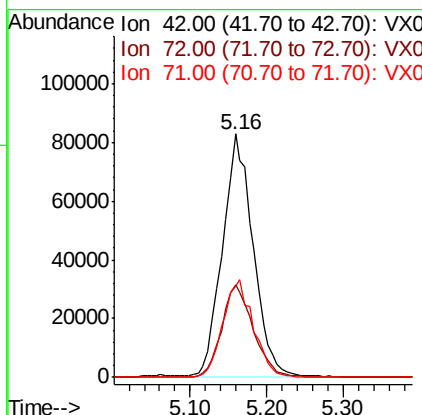
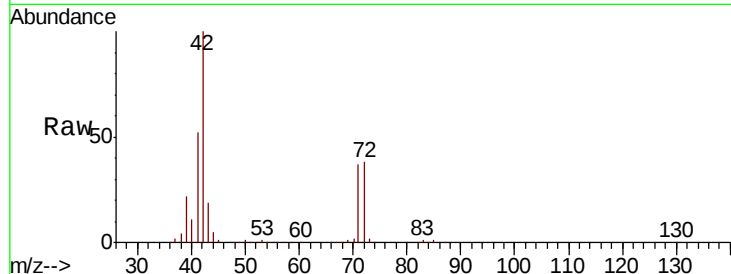
ClientSampleId :

VX0926WBSD01

Tot Ion:	42	Resp:	228630
Ion Ratio		Lower	Upper
42	100		
72	39.4	37.4	56.0
71	40.1	34.5	51.7

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#30

Chloroform

Concen: 21.306 ug/l

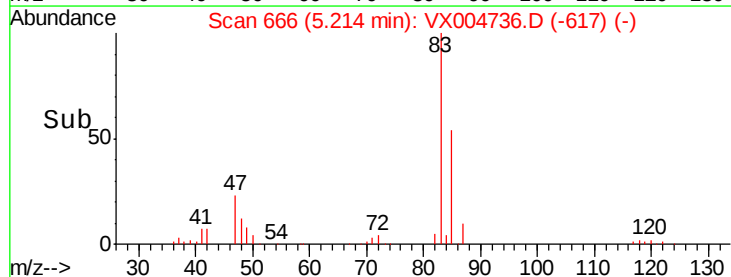
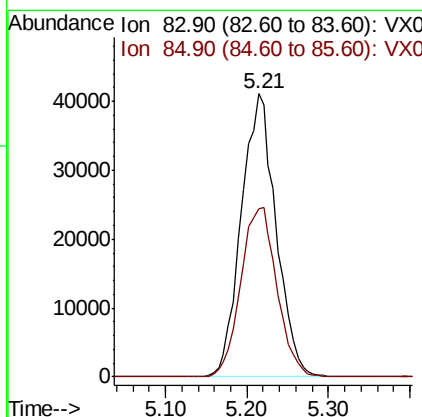
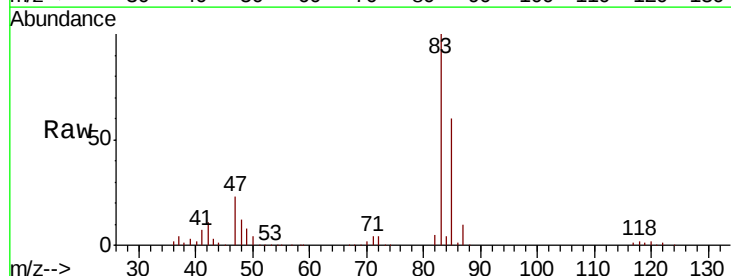
RT: 5.21 min Scan# 666

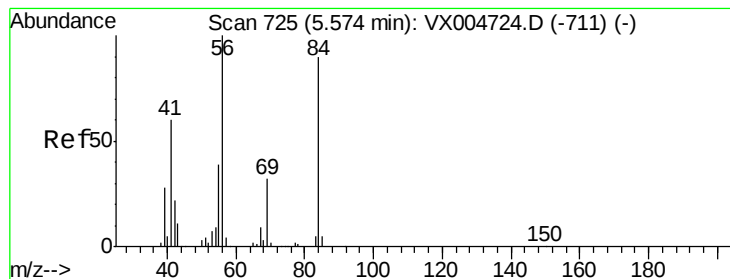
Delta R.T. -0.00 min

Lab File: VX004736.D

Acq: 26 Sep 2018 19:42

Tgt Ion:	83	Resp:	121676
Ion Ratio		Lower	Upper
83	100		
85	59.6	52.6	79.0





#31

Cyclohexane

Concen: 23.329 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.01 min

Lab File: VX004736.D

Acq: 26 Sep 2018 19:42

Instrument :

MSVOA_X

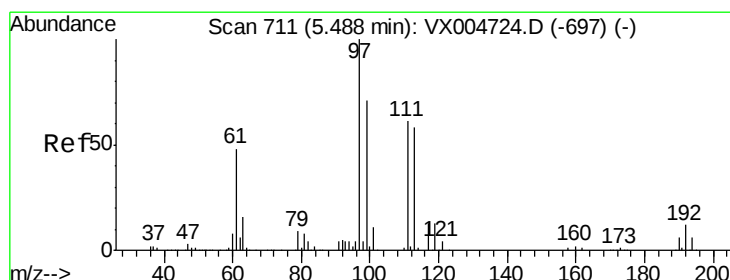
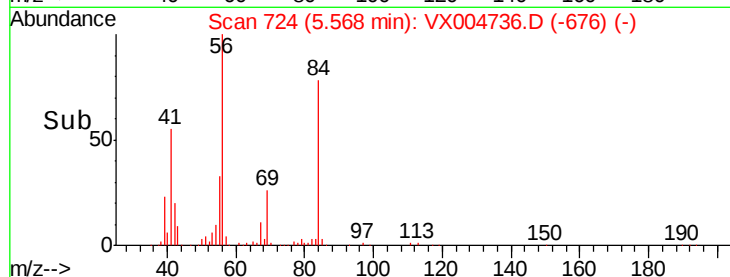
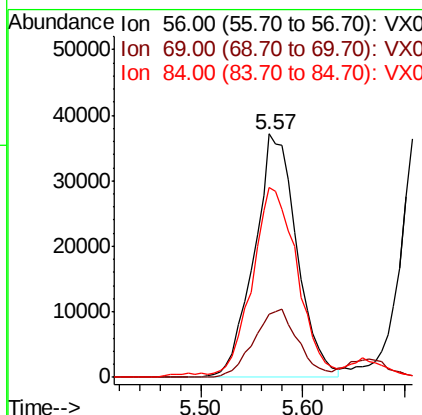
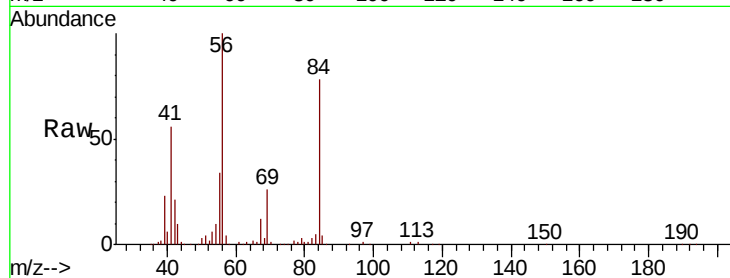
ClientSampleId :

VX0926WBSD01

Tot Ion:	56	Resp:	107893
Ion	Ratio	Lower	Upper
56	100		
69	25.8	25.4	38.2
84	76.5	71.4	107.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.533 ug/l

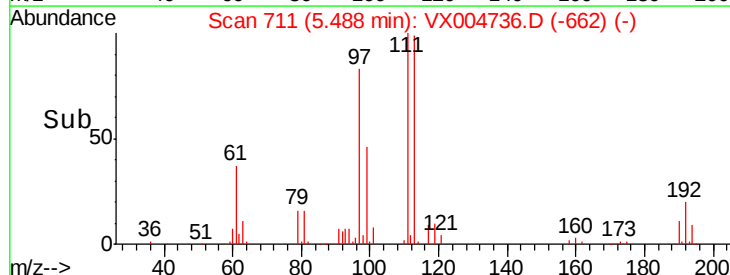
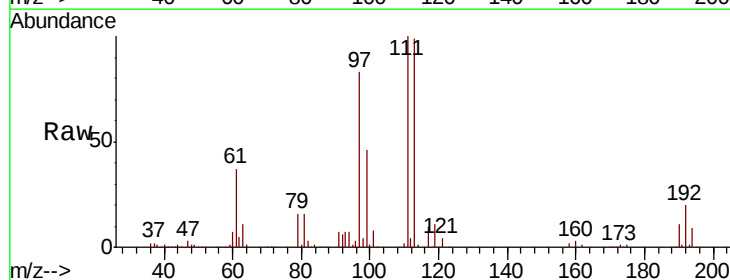
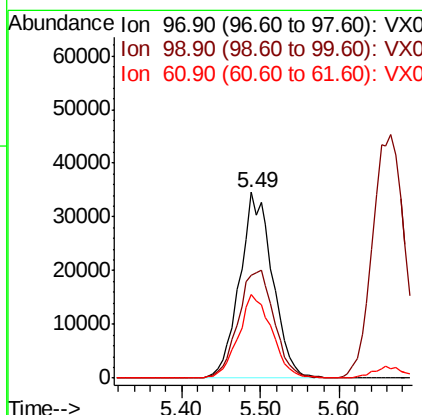
RT: 5.49 min Scan# 711

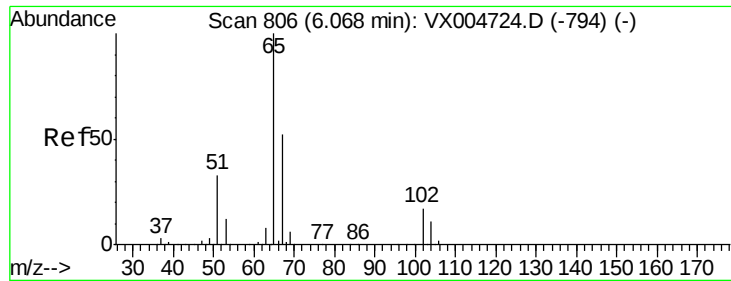
Delta R.T. -0.00 min

Lab File: VX004736.D

Acq: 26 Sep 2018 19:42

Tgt Ion:	97	Resp:	100427
Ion	Ratio	Lower	Upper
97	100		
99	63.1	52.0	78.0
61	45.5	34.9	52.3





#33

1,2-Dichloroethane-d4

Concen: 54.675 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004736.D

Acq: 26 Sep 2018 19:42

Instrument :

MSVOA_X

ClientSampleId :

VX0926WBSD01

Tot Ion: 65 Resp: 198735

Ion Ratio Lower Upper

65 100

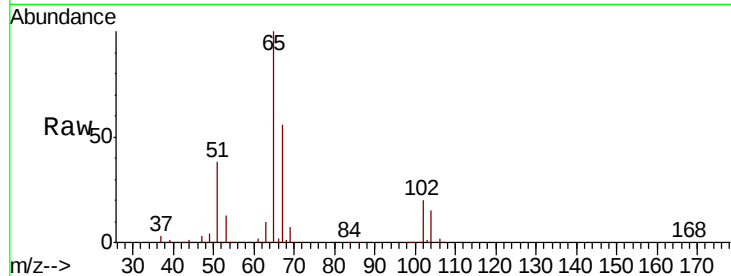
67 53.3 0.0 106.8

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

80000

60000

40000

20000

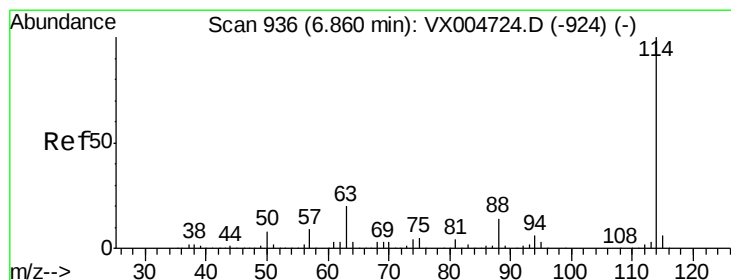
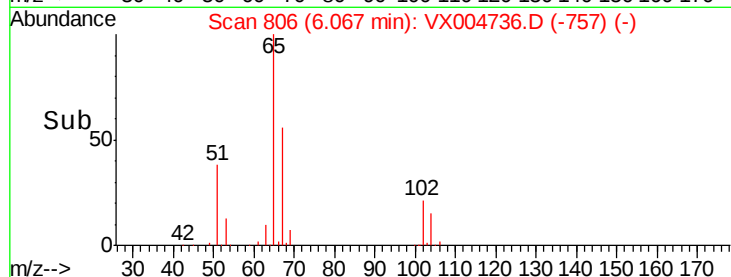
0

Time-->

6.00

6.10

6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX004736.D

Acq: 26 Sep 2018 19:42

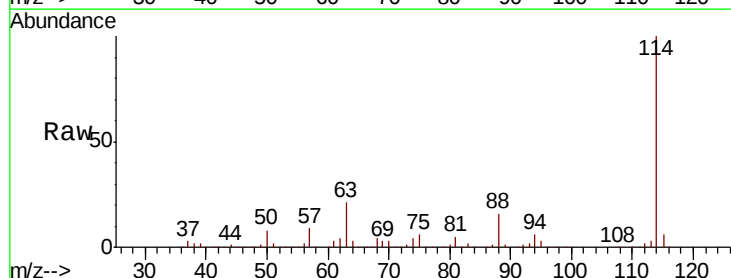
Tgt Ion: 114 Resp: 360114

Ion Ratio Lower Upper

114 100

63 20.8 0.0 39.0

88 16.1 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

200000

150000

100000

50000

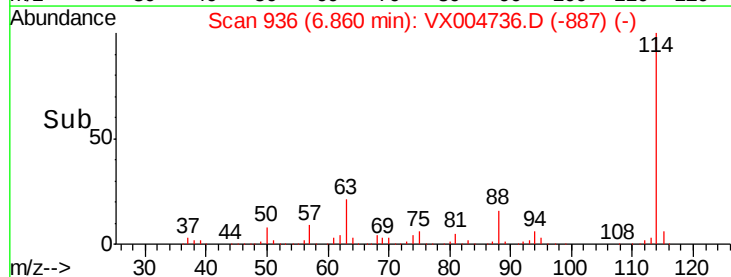
0

Time-->

6.80

7.00

7.20





#35

Dibromofluoromethane

Concen: 52.568 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX004736.D

Acq: 26 Sep 2018 19:42

Instrument :

MSVOA_X

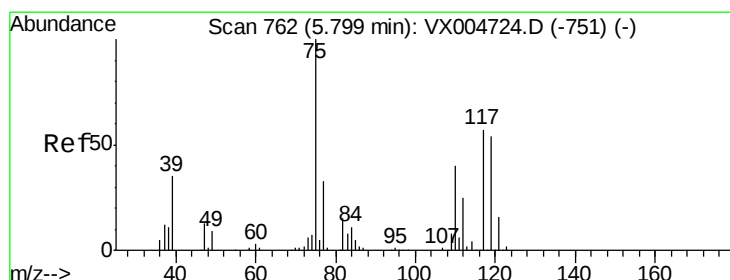
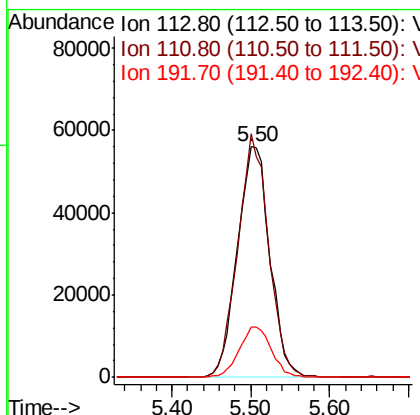
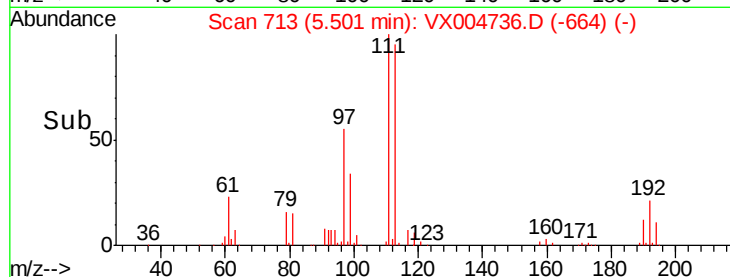
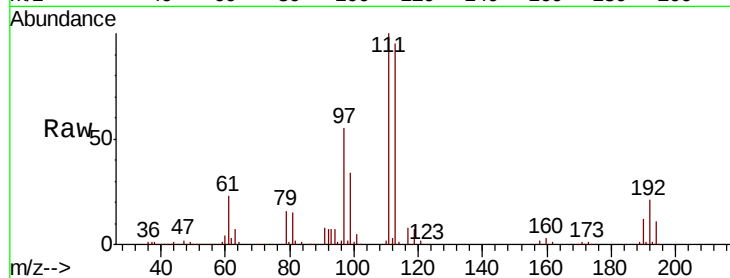
ClientSampleId :

VX0926WBSD01

Tot Ion:	113	Resp:	160437
Ion Ratio	Lower	Upper	
113	100		
111	100.4	82.4	123.6
192	21.7	19.4	29.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 20.638 ug/l

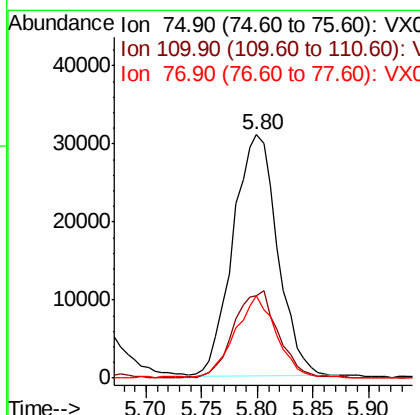
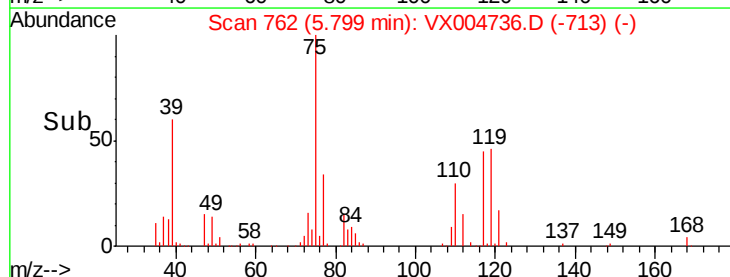
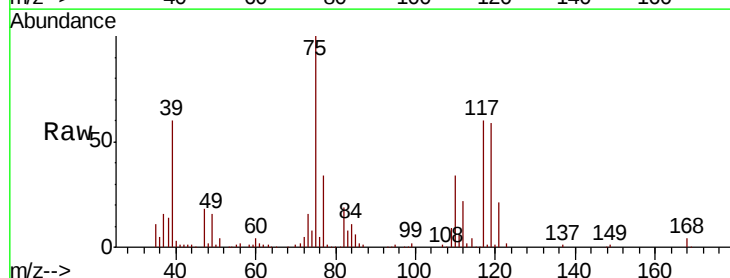
RT: 5.80 min Scan# 762

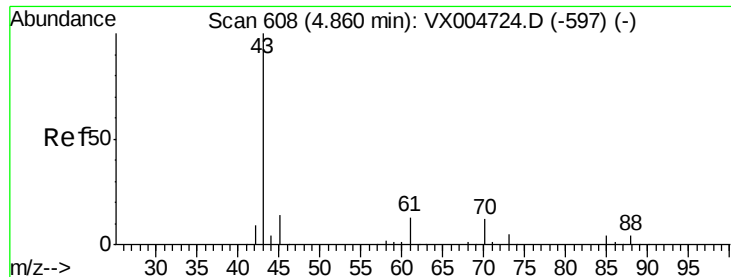
Delta R.T. -0.00 min

Lab File: VX004736.D

Acq: 26 Sep 2018 19:42

Tgt Ion:	75	Resp:	85939
Ion Ratio	Lower	Upper	
75	100		
110	36.2	18.0	54.0
77	31.5	24.6	36.8





#37

Ethyl Acetate

Concen: 22.417 ug/l

RT: 4.86 min Scan# 608

Delta R.T. -0.00 min

Lab File: VX004736.D

Acq: 26 Sep 2018 19:42

Instrument :

MSVOA_X

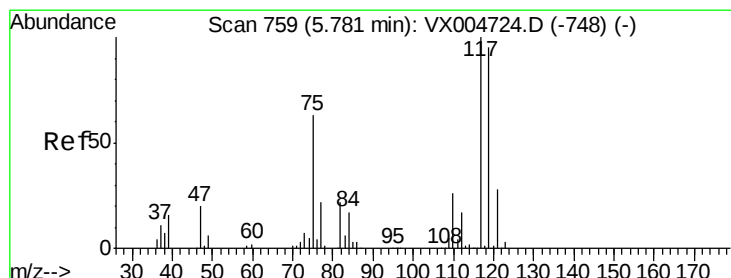
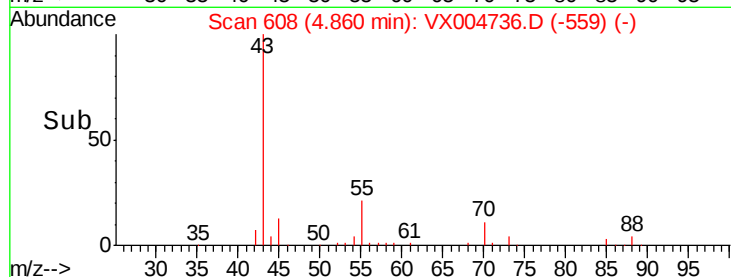
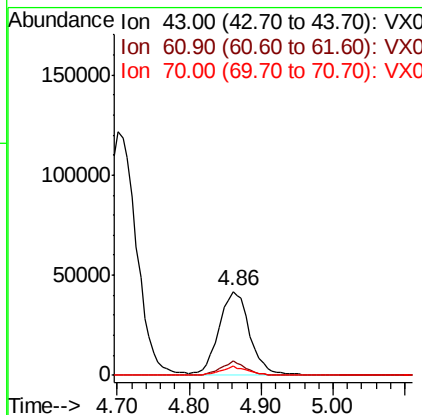
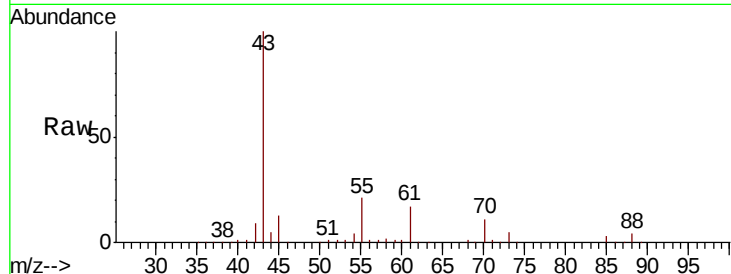
ClientSampleId :

VX0926WBSD01

Tot Ion:	43	Resp:	123906
Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.5	17.3
70	10.0	9.0	13.6

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#38

Carbon Tetrachloride

Concen: 19.381 ug/l

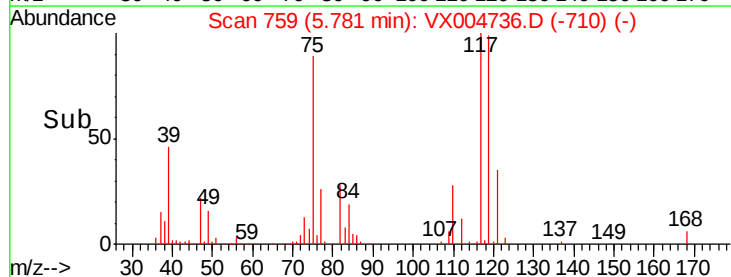
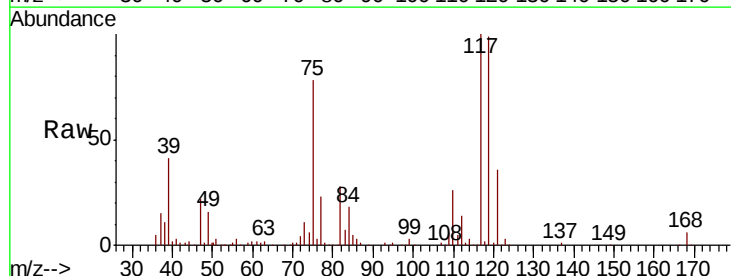
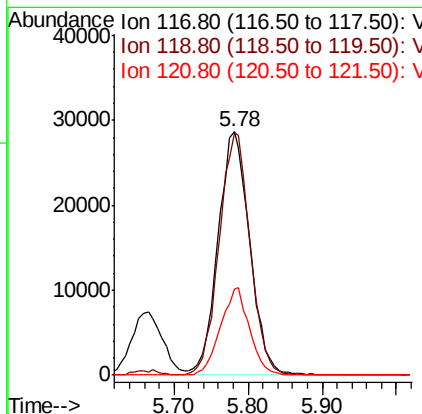
RT: 5.78 min Scan# 759

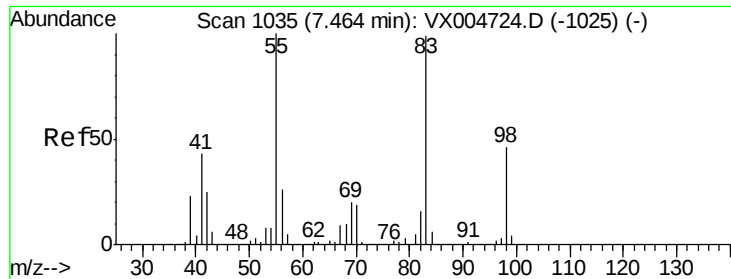
Delta R.T. -0.00 min

Lab File: VX004736.D

Acq: 26 Sep 2018 19:42

Tgt Ion:	117	Resp:	84836
Ion	Ratio	Lower	Upper
117	100		
119	99.5	78.8	118.2
121	35.6	24.9	37.3





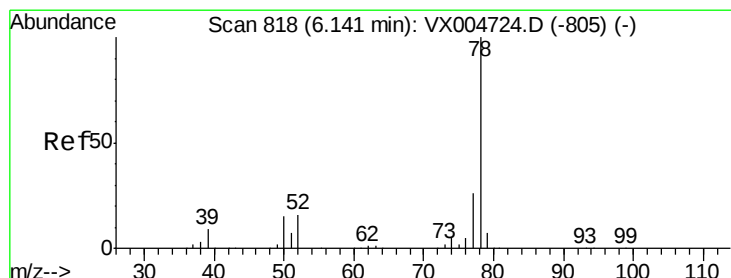
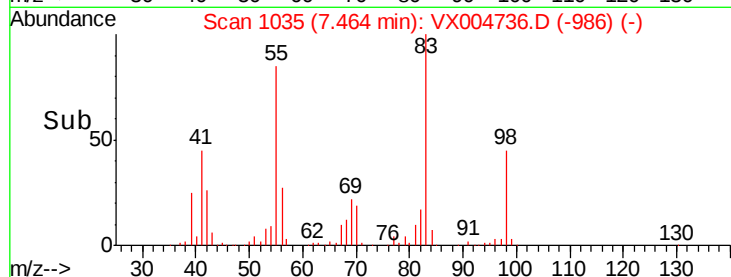
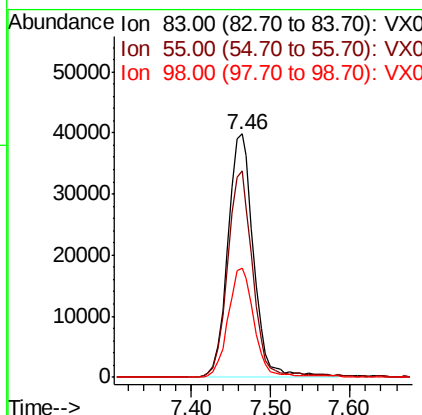
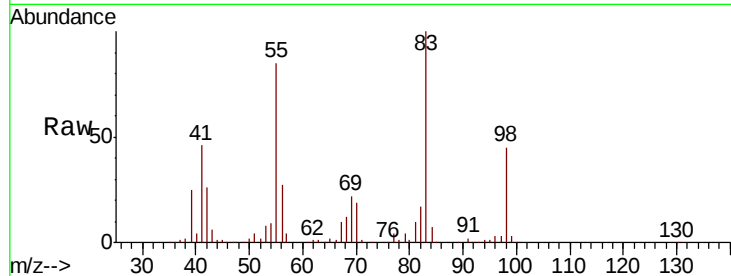
#39
Methvlcvclohexane
Concen: 21.268 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX004736.D
Acq: 26 Sep 2018 19:42

Instrument :
MSVOA_X
ClientSampleId :
VX0926WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.5	61.0	91.4
98	44.8	39.6	59.4

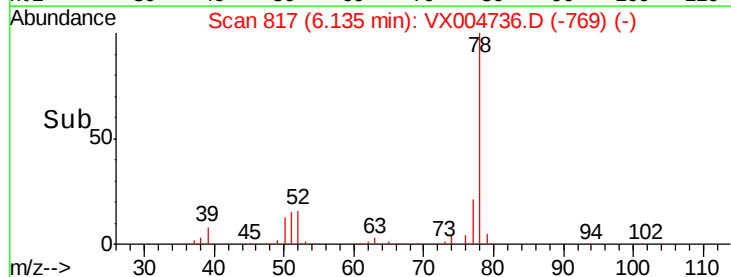
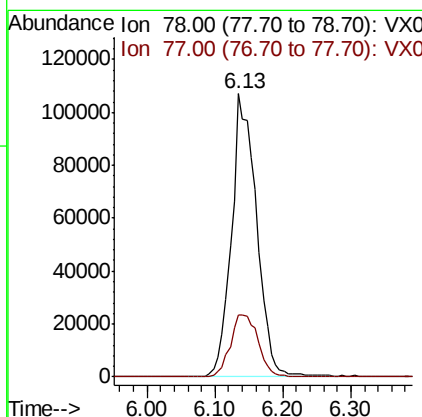
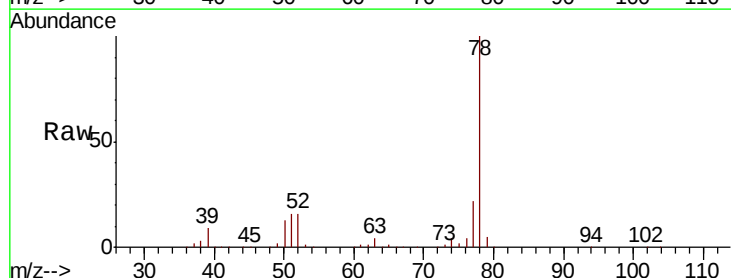
Manual Integrations
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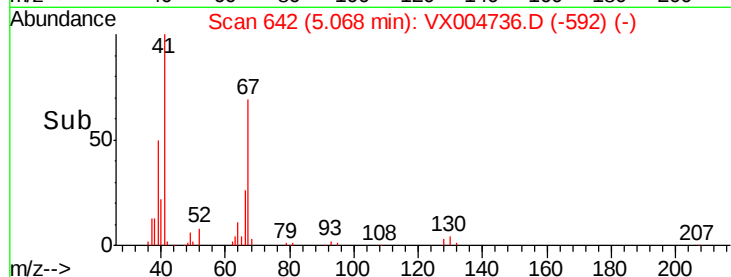
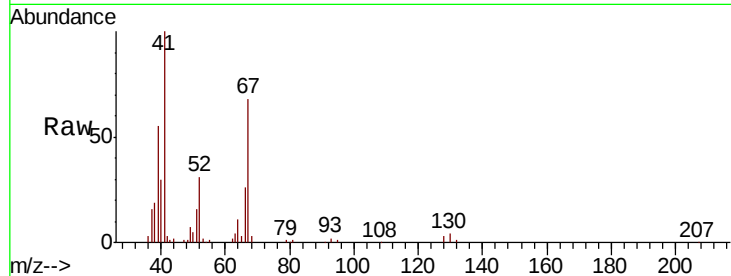
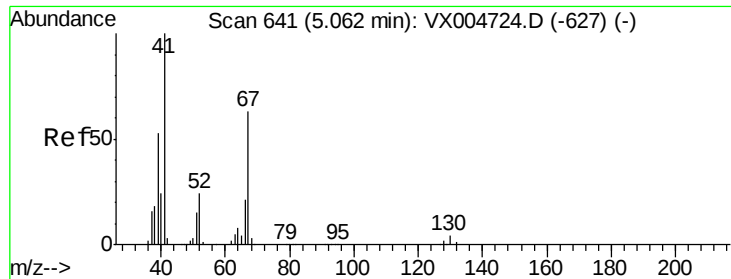
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#40
Benzene
Concen: 21.096 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX004736.D
Acq: 26 Sep 2018 19:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.0	19.0	28.4





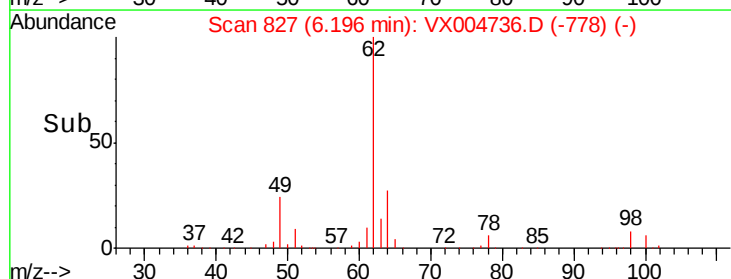
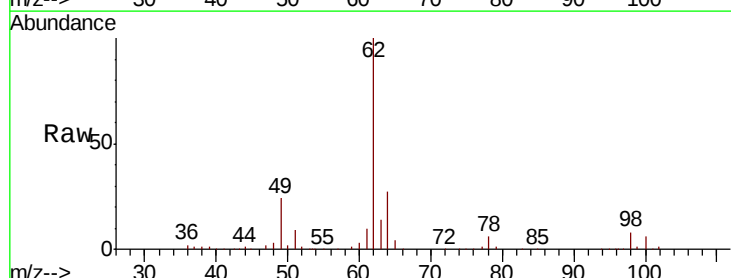
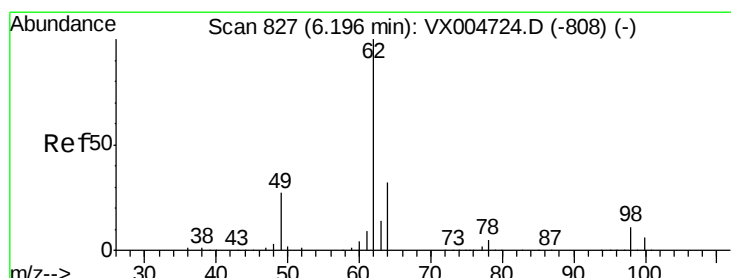
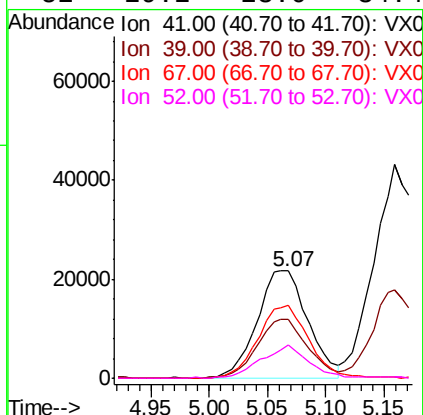
#41
Methacrylonitrile
Concen: 21.168 ug/l
RT: 5.07 min Scan# 642
Delta R.T. 0.01 min
Lab File: VX004736.D
Acq: 26 Sep 2018 19:42

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		64889		
39	54.3	42.4	63.6		
67	68.4	59.2	88.8		
52	29.2	23.0	34.4		

Instrument :
MSVOA_X
ClientSampleId :
VX0926WBSD01

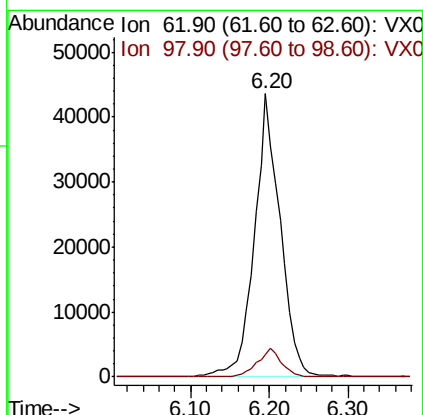
Manual Integrations
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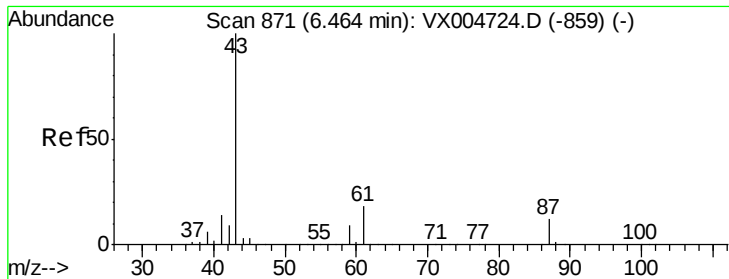
MMDadoda
10/1/2018 1:31:00 PM



#42
1,2-Dichloroethane
Concen: 21.215 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX004736.D
Acq: 26 Sep 2018 19:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		97771		
98	9.4	0.0	20.6		





#43

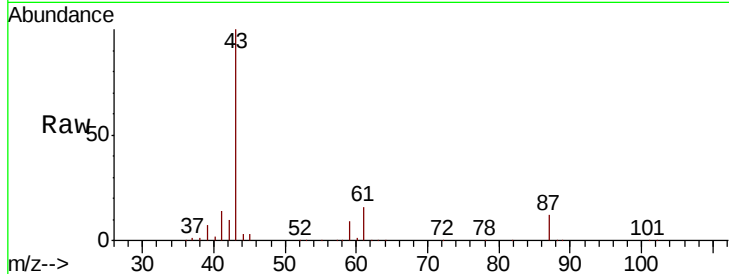
Isopropyl Acetate
 Concen: 21.720 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. -0.00 min
 Lab File: VX004736.D
 Acq: 26 Sep 2018 19:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0926WBSD01

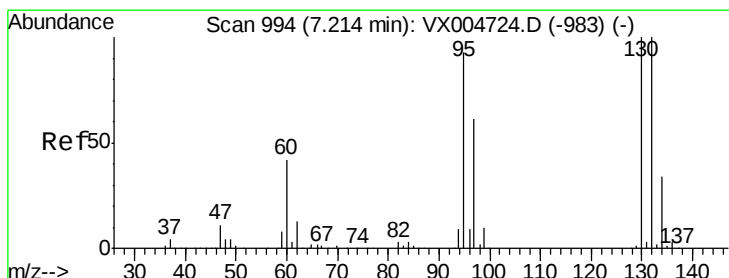
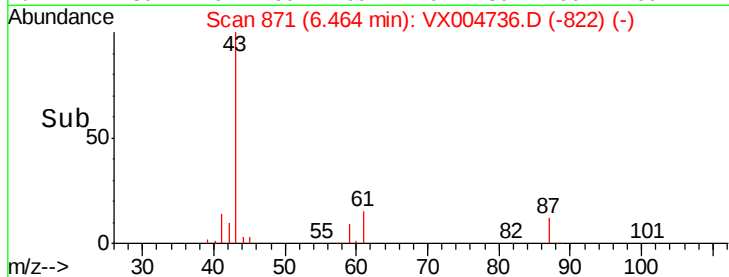
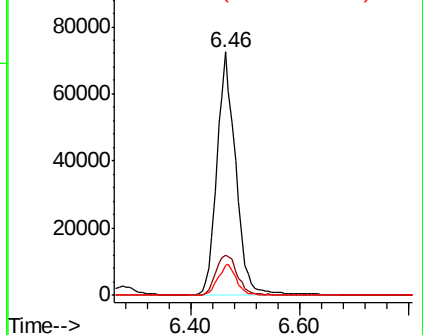
Tot Ion	43	61	87
Resp	173284		
Ratio	100	19.1	12.5
Lower		17.0	11.4
Upper		25.4	17.2

Manual Integrations
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 10/1/2018 1:31:00 PM



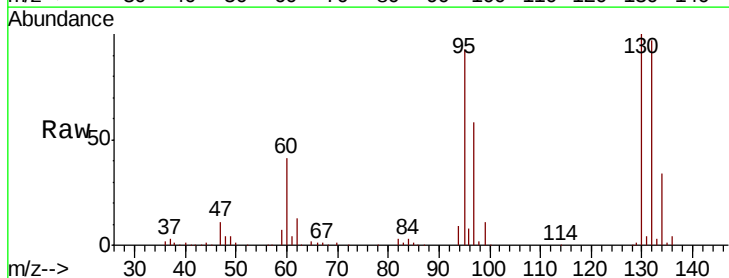
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



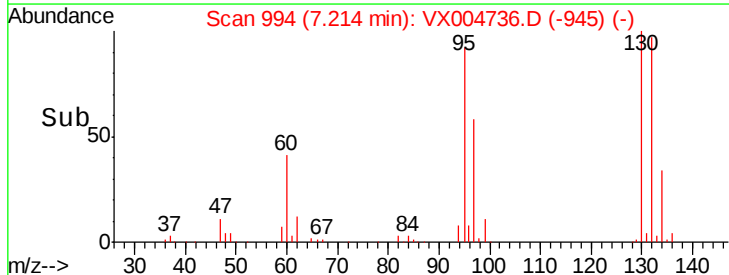
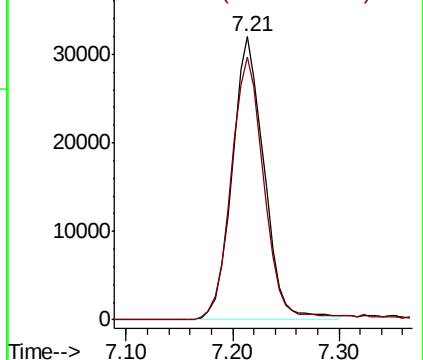
#44

Trichloroethene
 Concen: 21.055 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX004736.D
 Acq: 26 Sep 2018 19:42

Tgt Ion	130	95
Resp	67477	
Ratio	100	92.9
Lower		0.0
Upper		181.6



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 20.983 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX004736.D

Acq: 26 Sep 2018 19:42

Instrument :

MSVOA_X

ClientSampled :

VX0926WBSD01

Tot Ion: 63 Resp: 67082

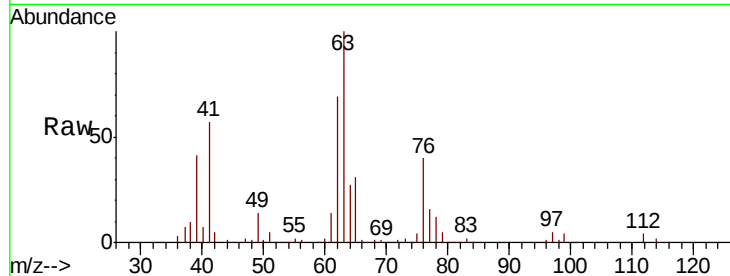
Ion Ratio Lower Upper

63 100

65 30.9 24.3 36.5

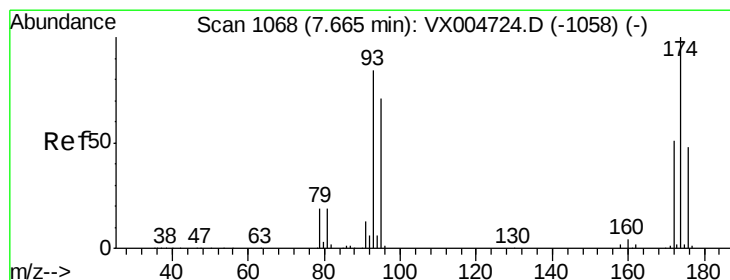
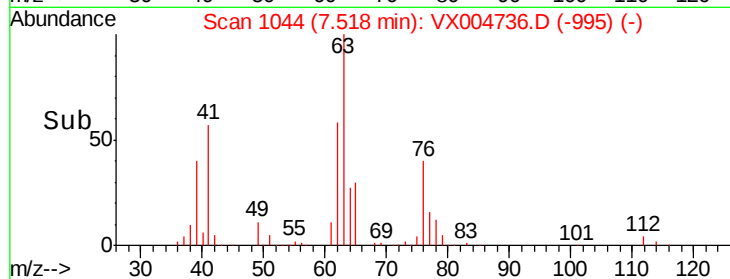
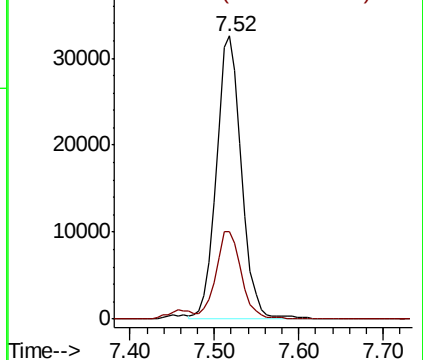
Manual Integrations
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 21.789 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VX004736.D

Acq: 26 Sep 2018 19:42

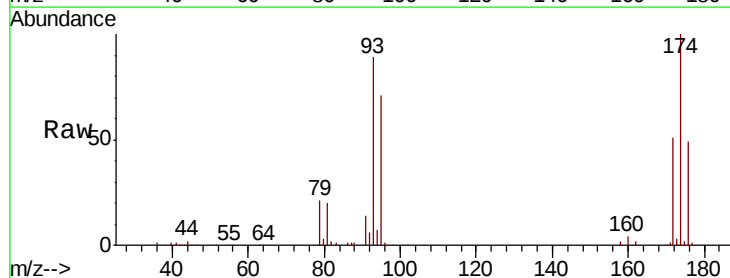
Tgt Ion: 93 Resp: 43778

Ion Ratio Lower Upper

93 100

95 81.6 65.5 98.3

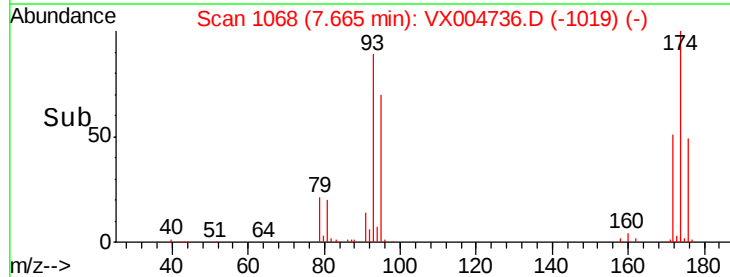
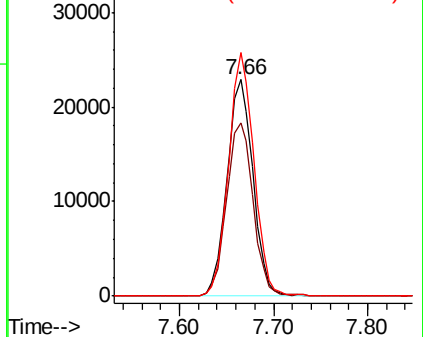
174 110.2 94.2 141.4

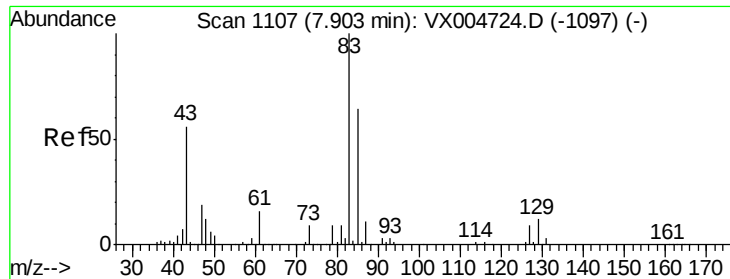


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 21.623 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VX004736.D

Acq: 26 Sep 2018 19:42

Instrument :

MSVOA_X

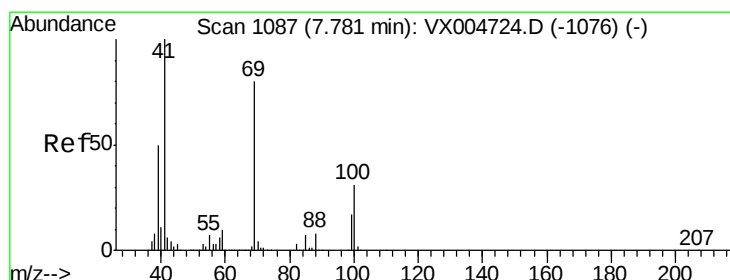
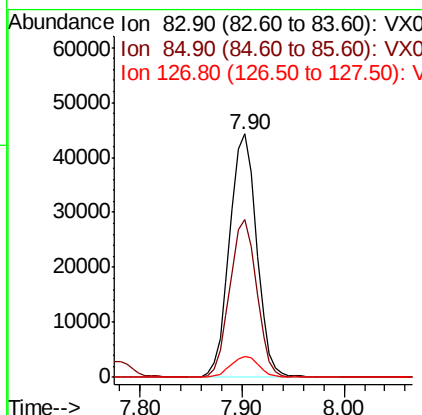
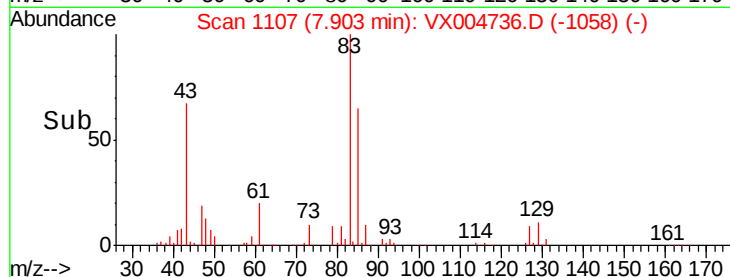
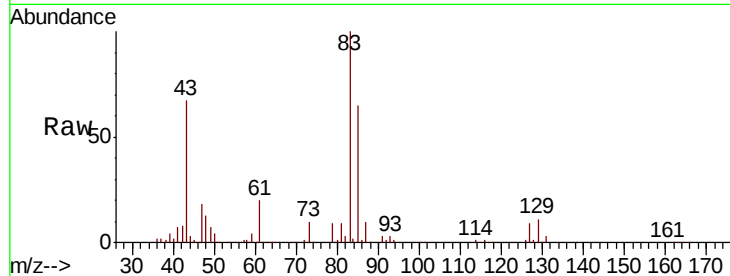
ClientSampleId :

VX0926WBSD01

Tot Ion:	83	Resp:	81340
Ion Ratio	Lower	Upper	
83	100		
85	64.6	50.9	76.3
127	8.6	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 23.172 ug/l

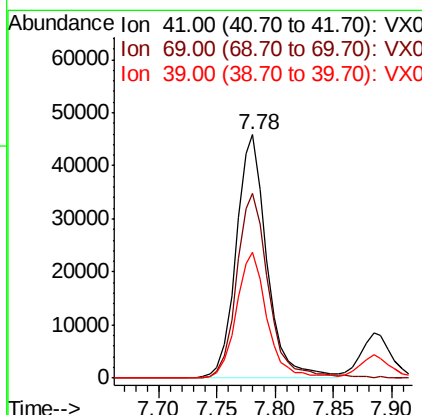
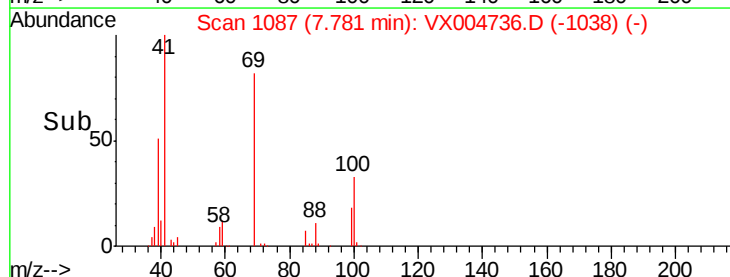
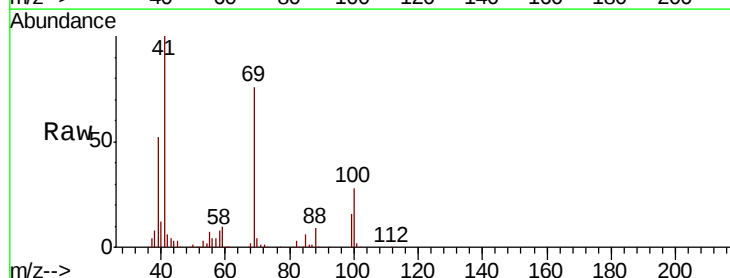
RT: 7.78 min Scan# 1087

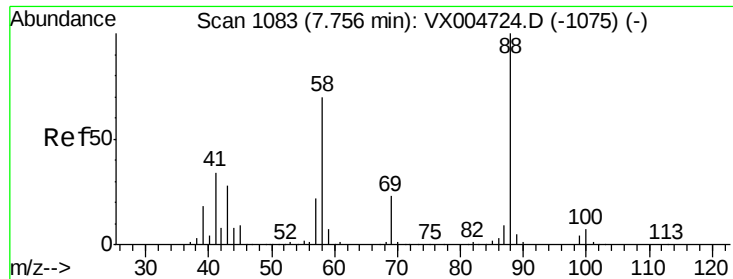
Delta R.T. -0.00 min

Lab File: VX004736.D

Acq: 26 Sep 2018 19:42

Tgt Ion:	41	Resp:	83908
Ion Ratio	Lower	Upper	
41	100		
69	79.2	70.2	105.4
39	50.9	42.7	64.1





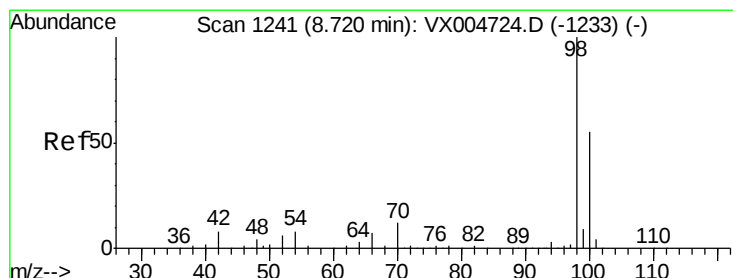
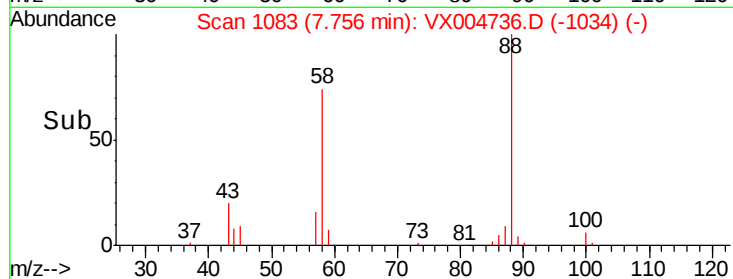
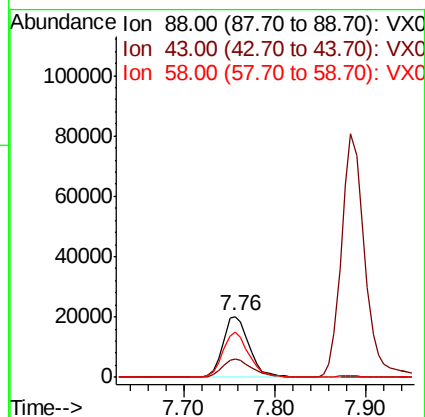
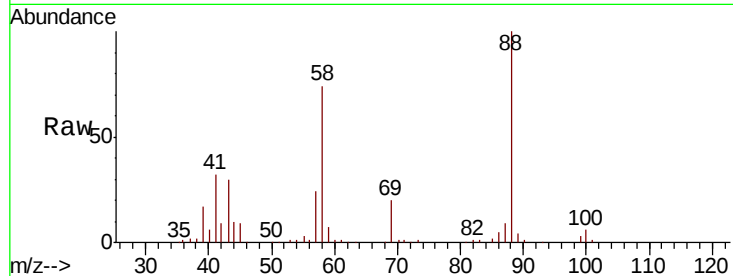
#49
 1,4-Dioxane
 Concen: 452.192 ug/l
 RT: 7.76 min Scan# 1083
 Delta R.T. -0.00 min
 Lab File: VX004736.D
 Acq: 26 Sep 2018 19:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0926WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.1	24.7	37.1
58	74.1	55.3	82.9

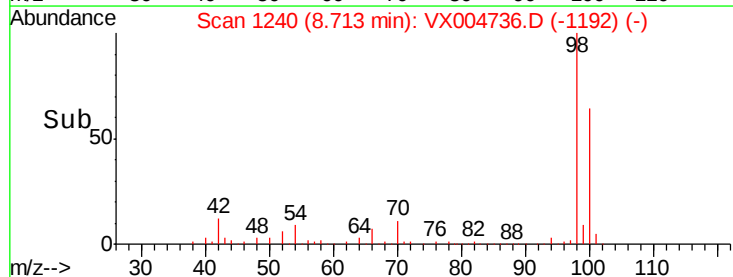
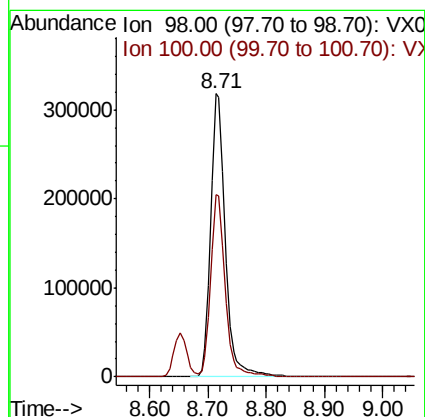
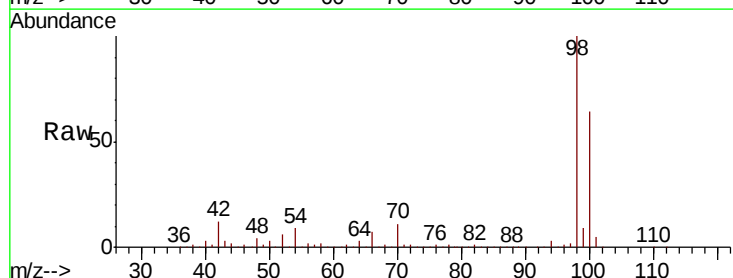
Manual Integrations
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#50
 Toluene-d8
 Concen: 55.099 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. -0.01 min
 Lab File: VX004736.D
 Acq: 26 Sep 2018 19:42

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.9	79.3





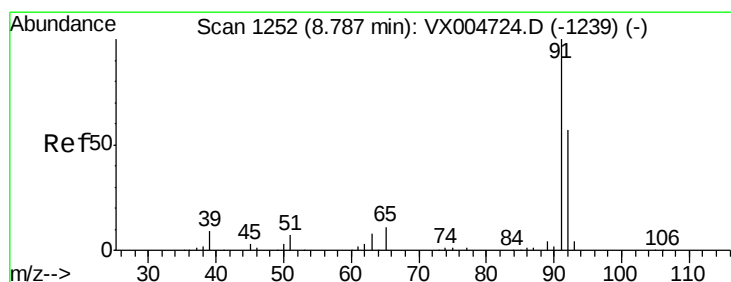
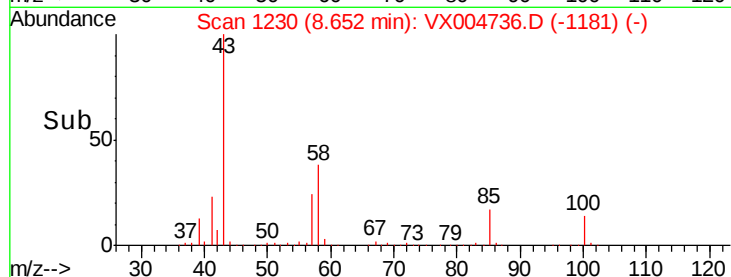
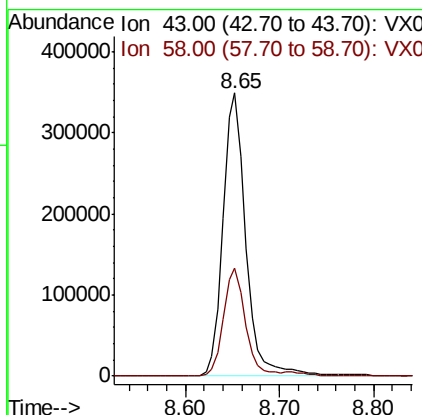
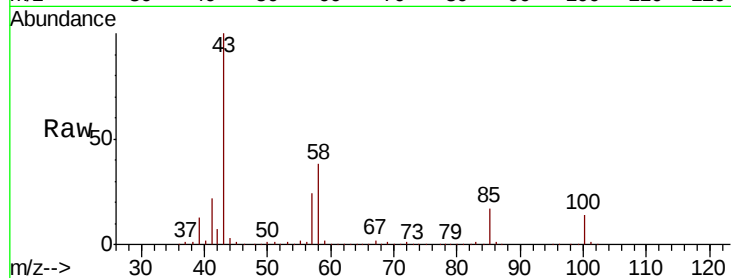
#51
4-Methyl-2-Pentanone
Concen: 116.803 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. -0.00 min
Lab File: VX004736.D
Acq: 26 Sep 2018 19:42

Instrument :
MSVOA_X
ClientSampleId :
VX0926WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.7	33.1	49.7

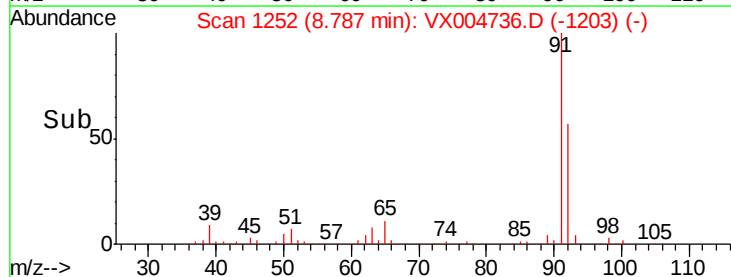
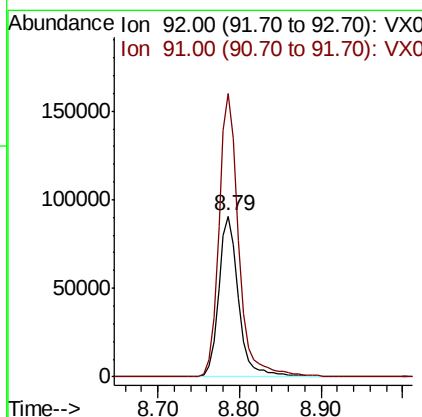
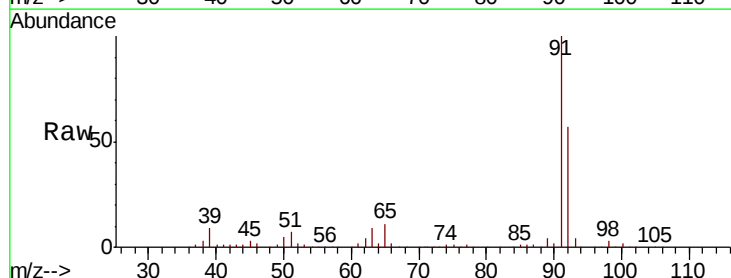
Manual Integrations
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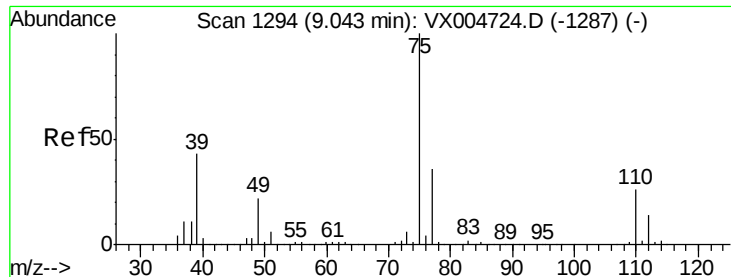
MMDadoda
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#52
Toluene
Concen: 21.571 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX004736.D
Acq: 26 Sep 2018 19:42

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.8	136.4	204.6





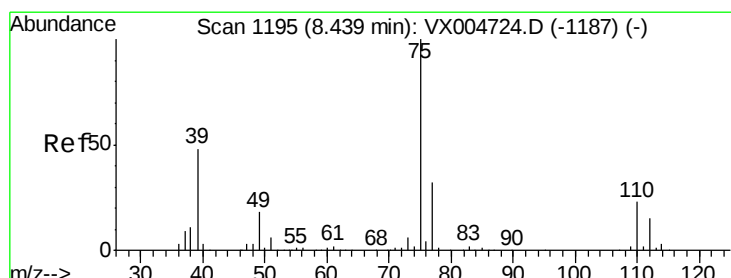
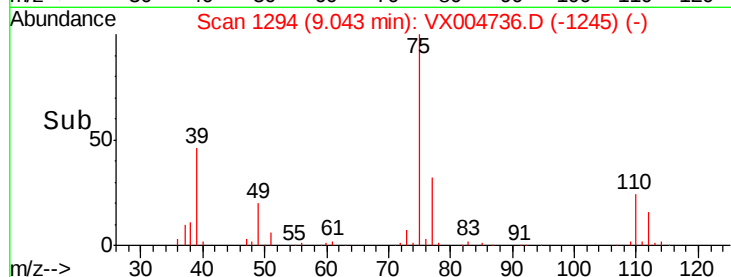
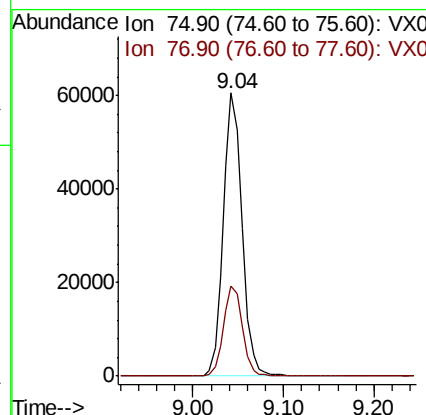
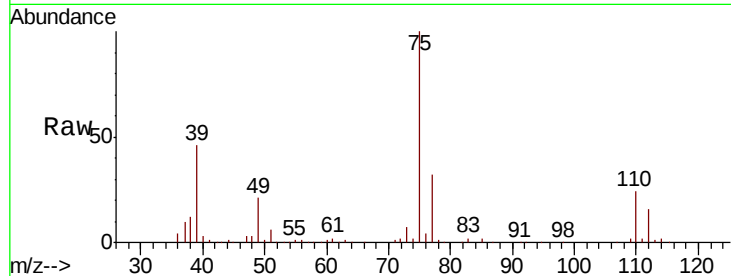
#53
t-1,3-Dichloropropene
Concen: 20.589 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX004736.D
Acq: 26 Sep 2018 19:42

Instrument :
MSVOA_X
ClientSampled :
VX0926WBSD01

Tot Ion: 75 Resp: 87519
Ion Ratio Lower Upper
75 100
77 31.8 24.6 37.0

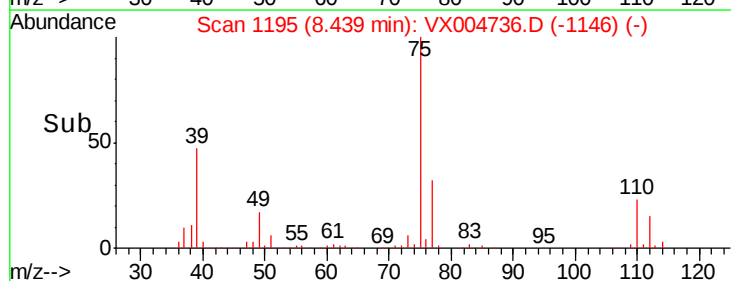
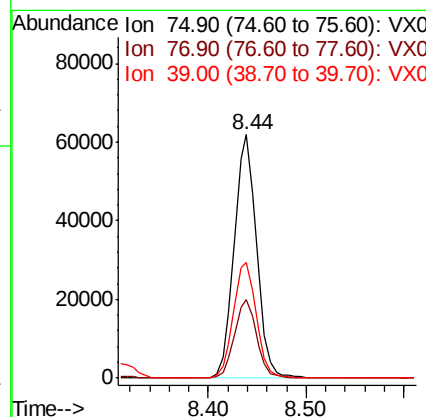
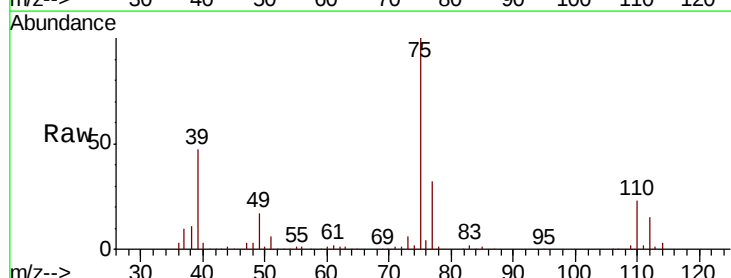
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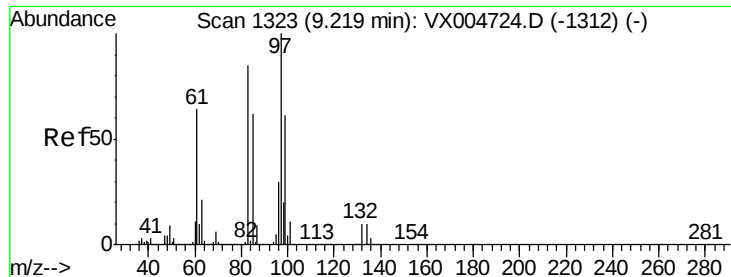
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 22.089 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. -0.00 min
Lab File: VX004736.D
Acq: 26 Sep 2018 19:42

Tgt Ion: 75 Resp: 98348
Ion Ratio Lower Upper
75 100
77 32.4 26.2 39.2
39 47.1 36.4 54.6





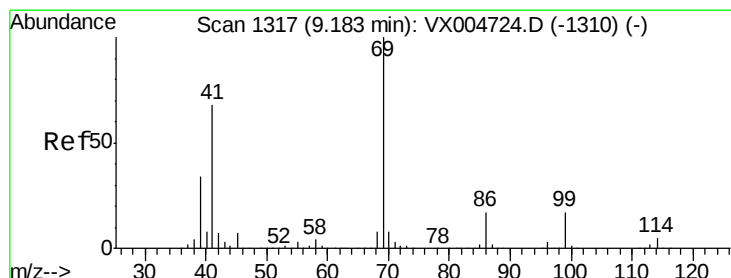
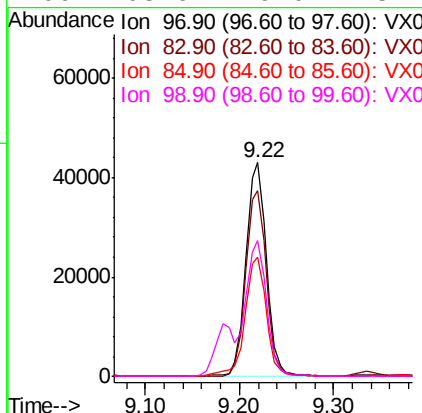
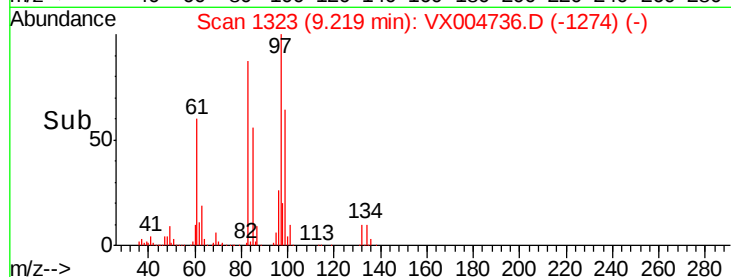
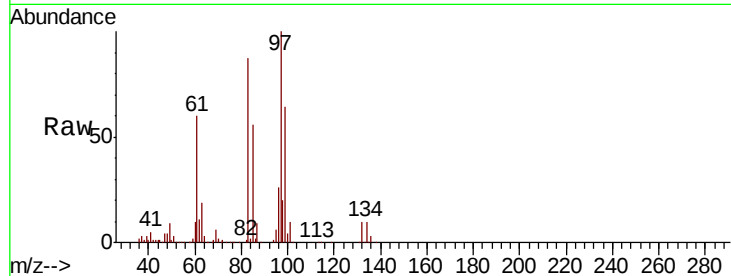
#55
 1,1,2-Trichloroethane
 Concen: 20.882 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VX004736.D
 Acq: 26 Sep 2018 19:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0926WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		65523		
83	86.7	66.4	99.6		
85	55.8	43.3	64.9		
99	63.6	49.0	73.4		

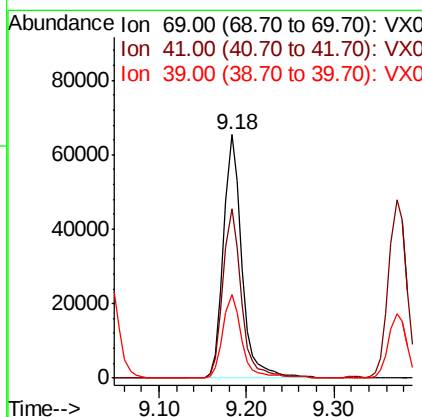
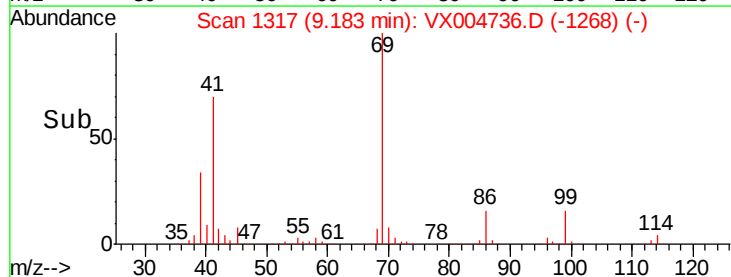
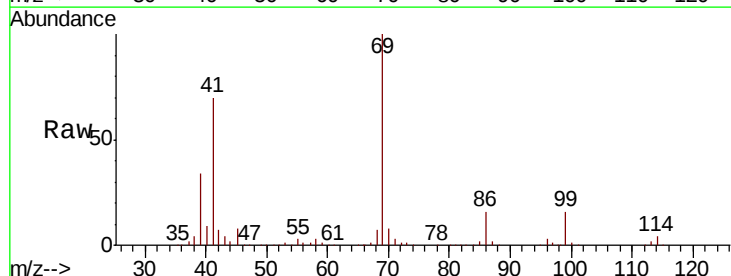
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 20.574 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX004736.D
 Acq: 26 Sep 2018 19:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		95661		
41	69.8	51.0	76.4		
39	34.8	26.1	39.1		





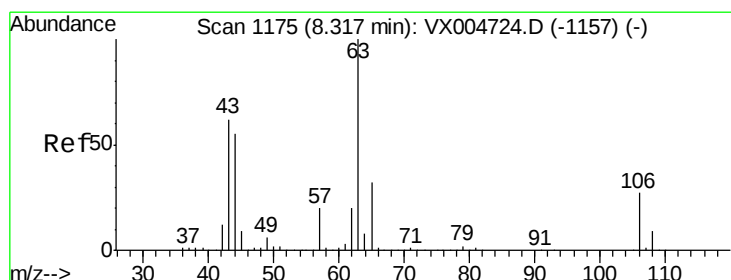
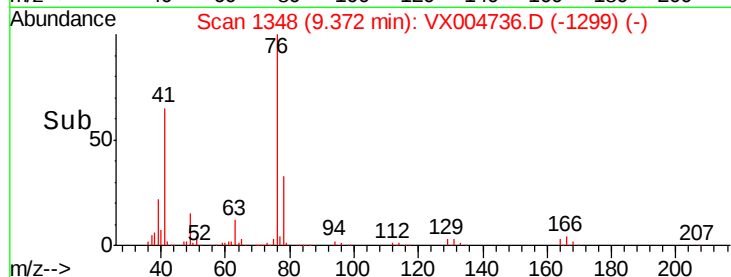
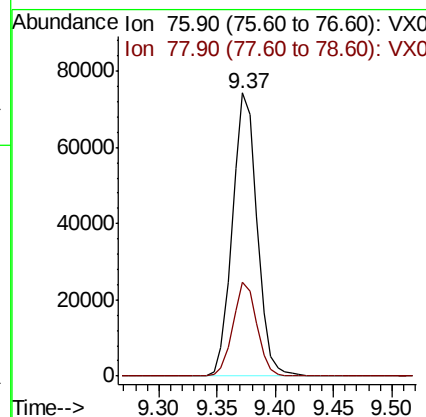
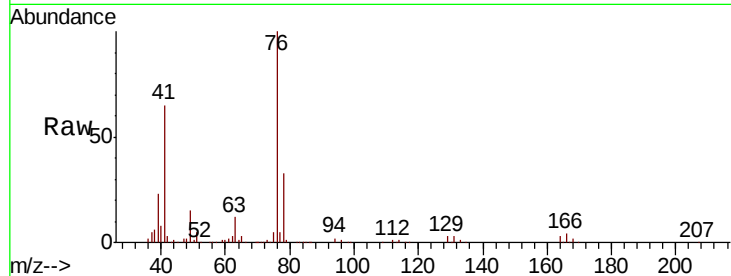
#57
 1,3-Dichloropropane
 Concen: 20.971 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX004736.D
 Acq: 26 Sep 2018 19:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0926WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.5	38.3

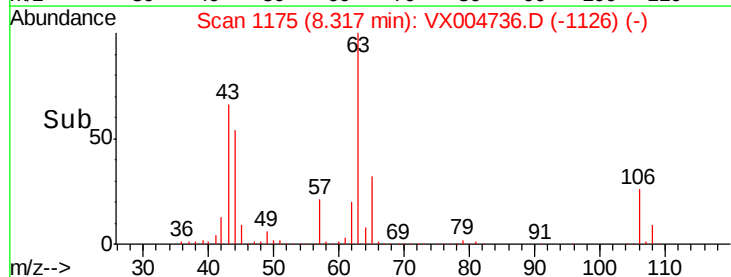
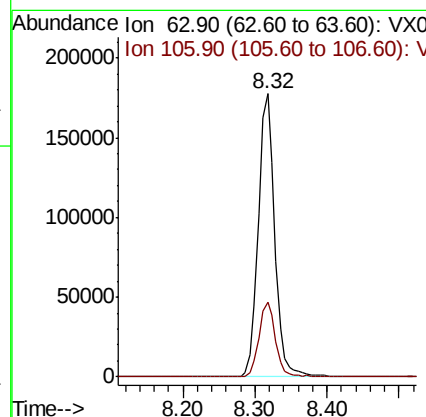
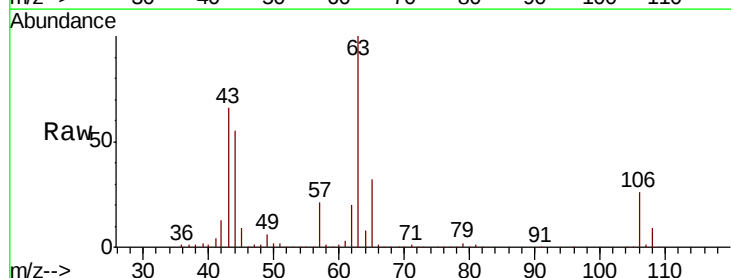
Manual Integrations
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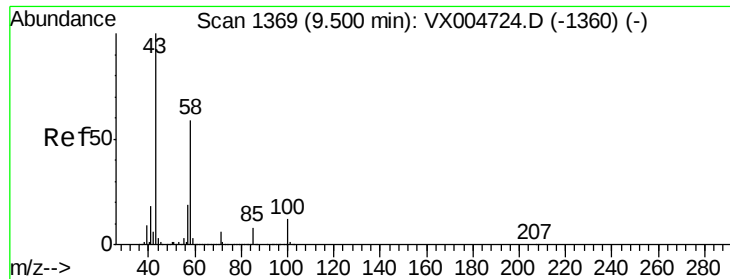
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#58
 2-Chloroethyl Vinyl ether
 Concen: 113.427 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VX004736.D
 Acq: 26 Sep 2018 19:42

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.5	23.9	35.9





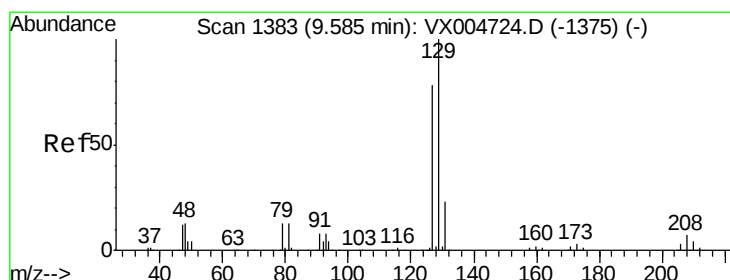
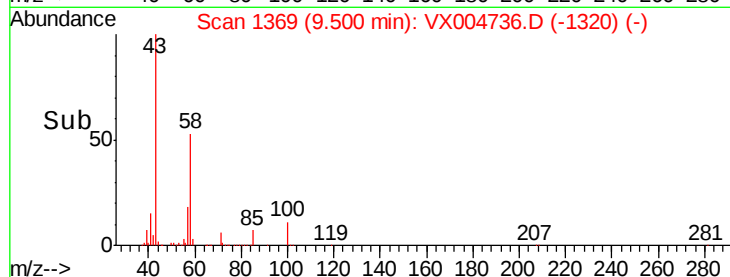
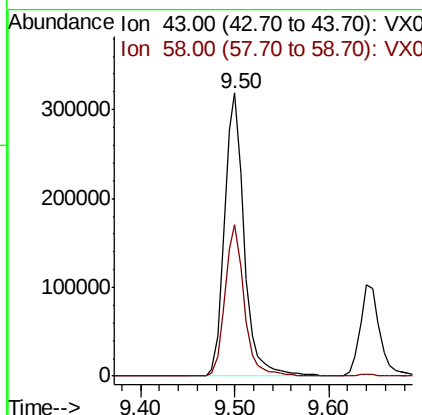
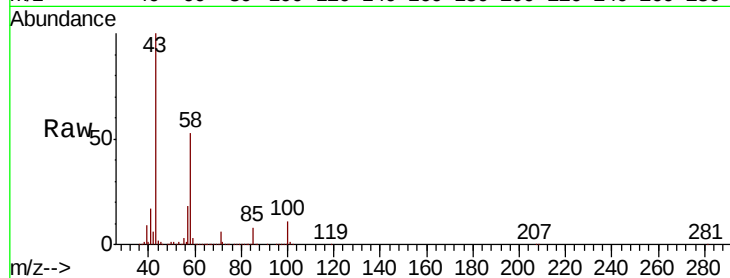
#59
2-Hexanone
Concen: 109.921 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX004736.D
Acq: 26 Sep 2018 19:42

Instrument :
MSVOA_X
ClientSampled :
VX0926WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.8	29.0	87.0

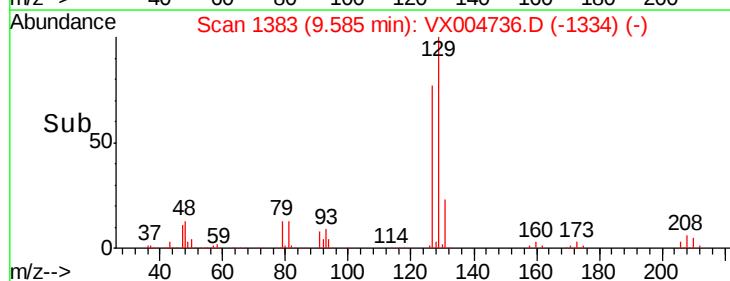
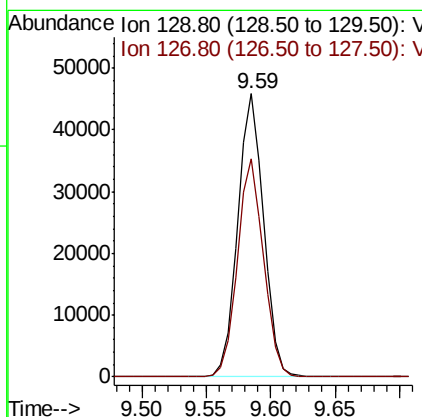
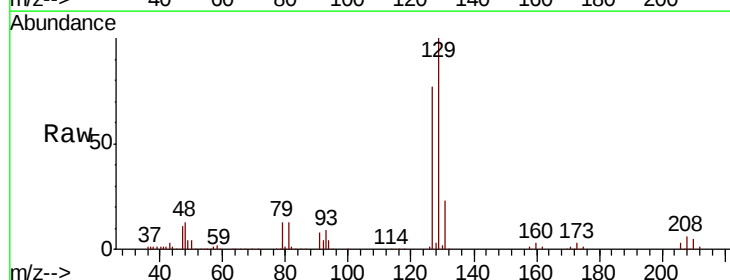
Manual Integrations
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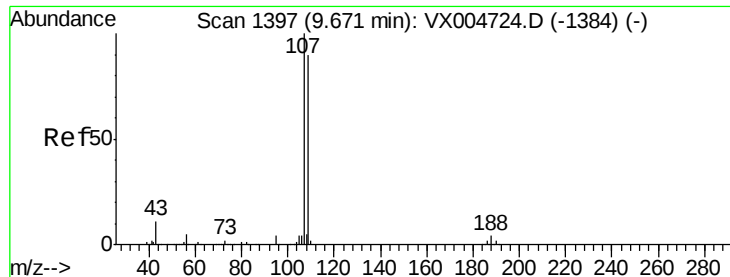
MMDadoda
10/1/2018 1:31:00 PM



#60
Dibromochloromethane
Concen: 20.334 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX004736.D
Acq: 26 Sep 2018 19:42

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.5	115.5





#61

1,2-Dibromoethane

Concen: 20.201 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX004736.D

Acq: 26 Sep 2018 19:42

Instrument :

MSVOA_X

ClientSampleId :

VX0926WBSD01

Tot Ion:107 Resp: 67882

Ion Ratio Lower Upper

107 100

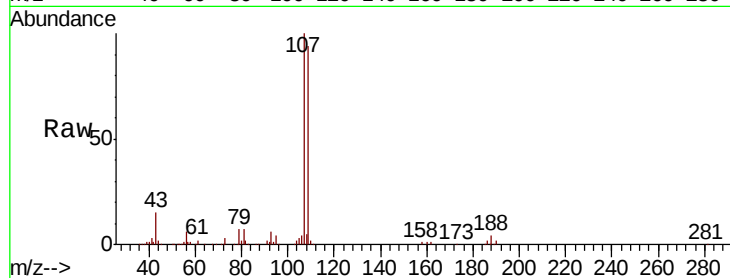
109 94.4 76.0 114.0

Manual Integrations

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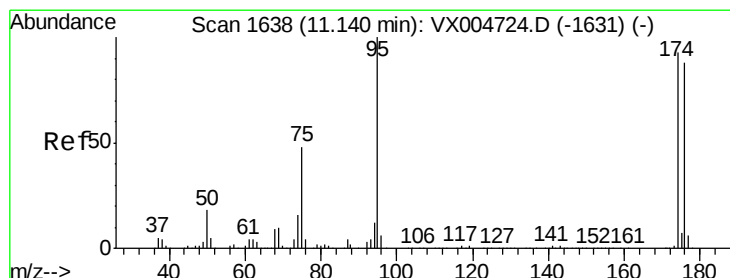
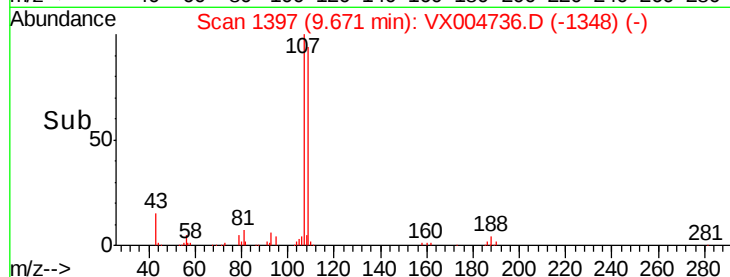
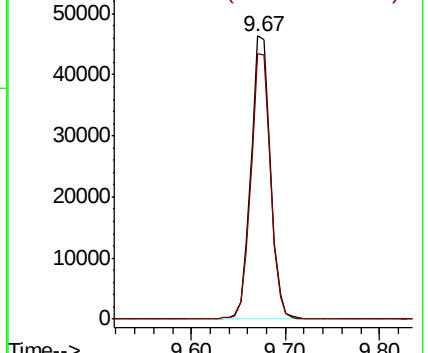
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 55.276 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004736.D

Acq: 26 Sep 2018 19:42

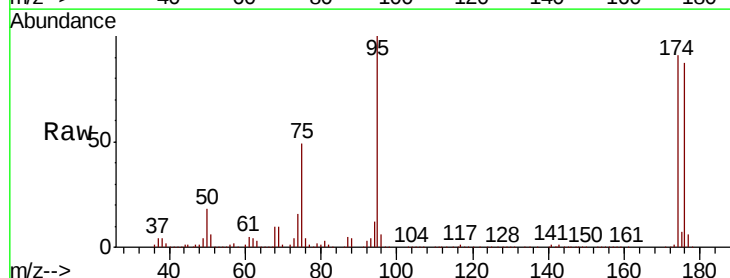
Tgt Ion: 95 Resp: 202049

Ion Ratio Lower Upper

95 100

174 90.0 0.0 185.2

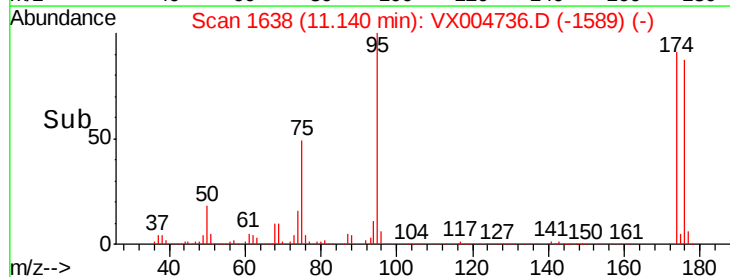
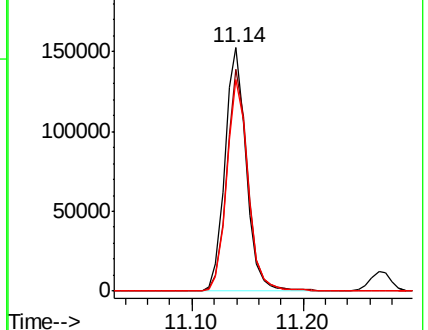
176 87.0 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





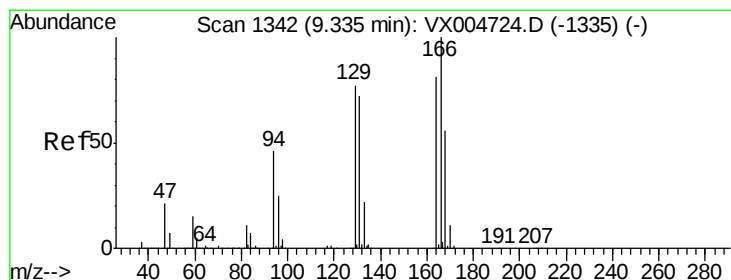
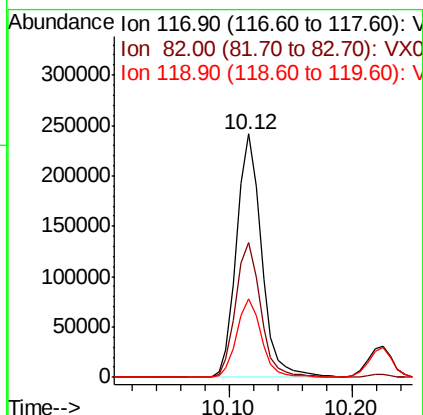
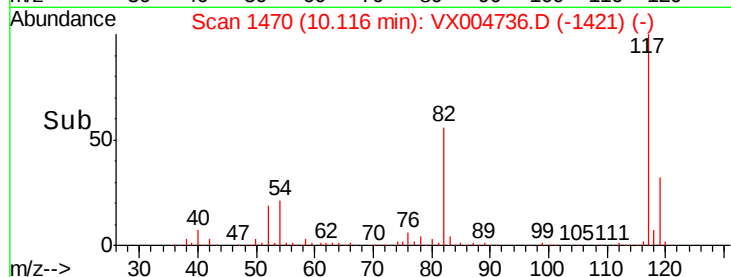
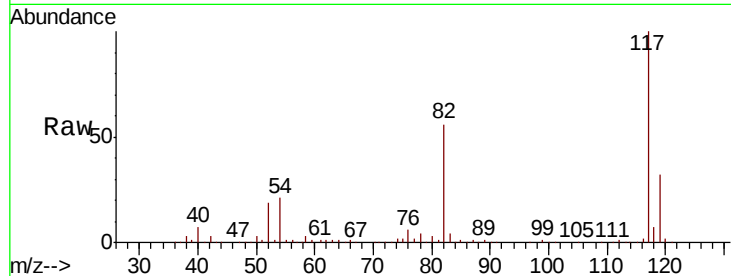
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004736.D
Acq: 26 Sep 2018 19:42

Instrument :
MSVOA_X
ClientSampleId :
VX0926WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.6	47.8	71.6
119	32.2	29.3	43.9

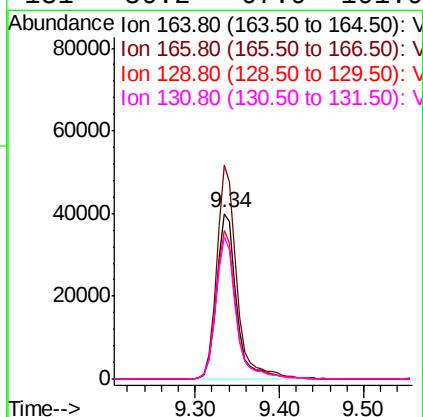
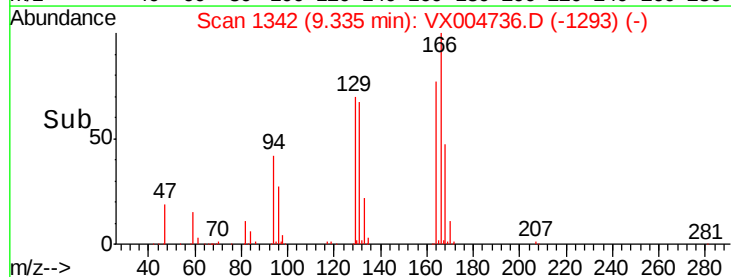
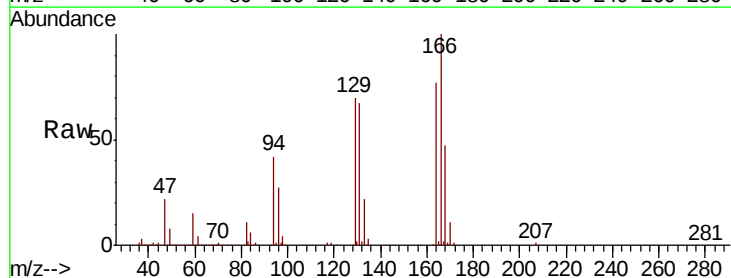
Manual Integrations
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#64
Tetrachloroethene
Concen: 19.706 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX004736.D
Acq: 26 Sep 2018 19:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.3	102.8	154.2
129	90.2	69.4	104.0
131	86.2	67.9	101.9





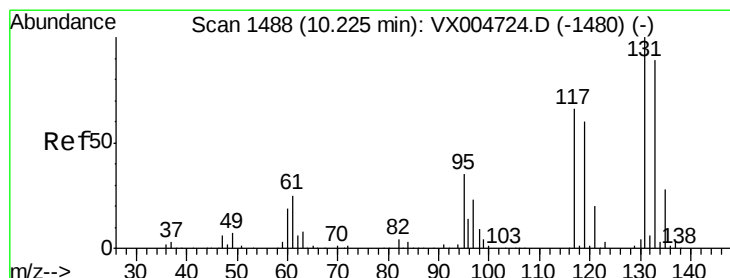
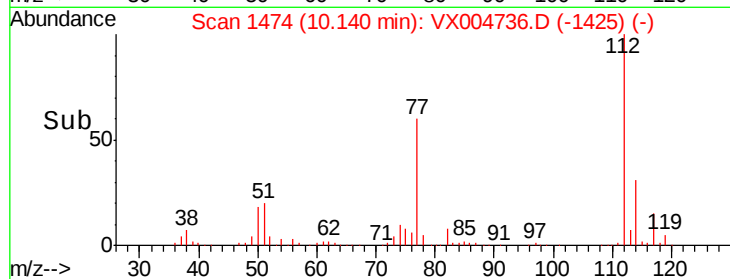
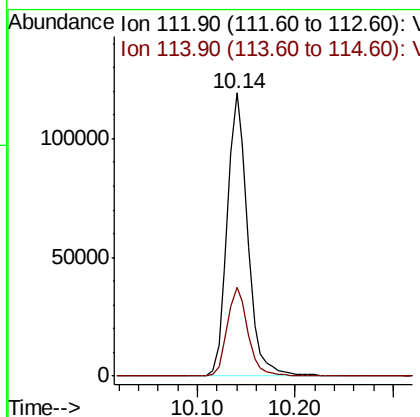
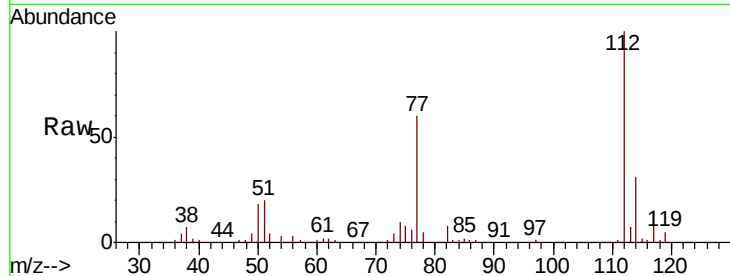
#65
Chlorobenzene
Concen: 19.792 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX004736.D
Acq: 26 Sep 2018 19:42

Instrument :
MSVOA_X
ClientSampleId :
VX0926WBSD01

Tot Ion:112 Resp: 173601
Ion Ratio Lower Upper
112 100
114 31.5 27.8 41.8

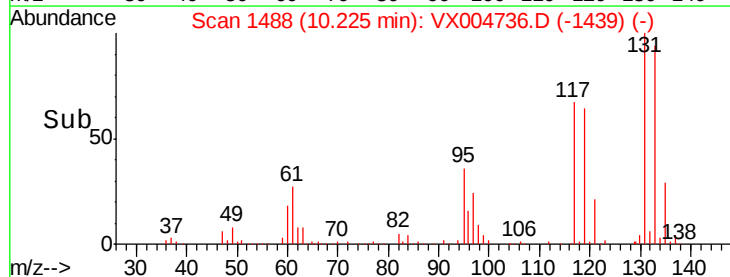
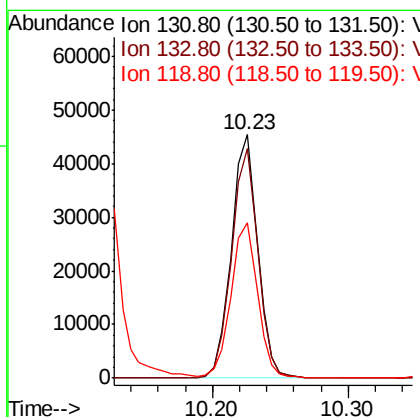
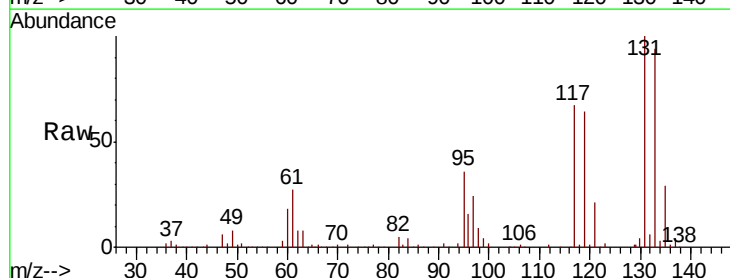
Manual Integrations
APPROVED

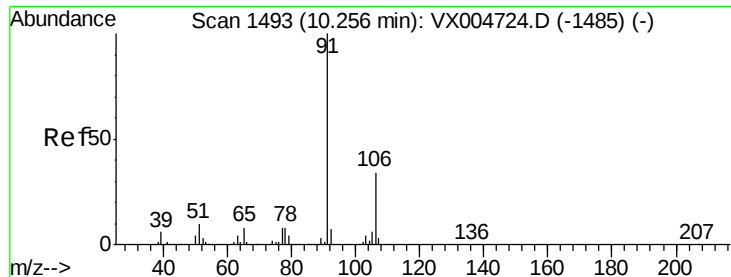
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.811 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VX004736.D
Acq: 26 Sep 2018 19:42

Tgt Ion:131 Resp: 61088
Ion Ratio Lower Upper
131 100
133 94.9 48.1 144.4
119 65.2 32.9 98.6





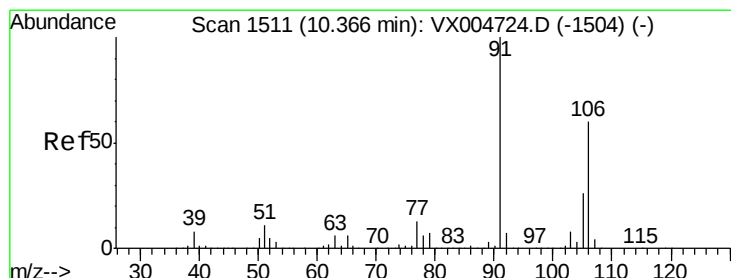
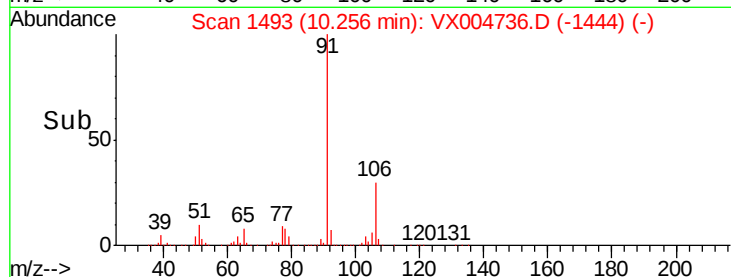
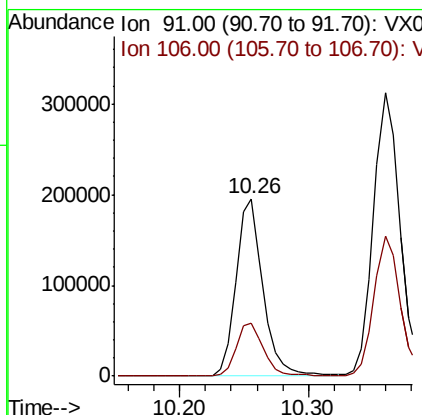
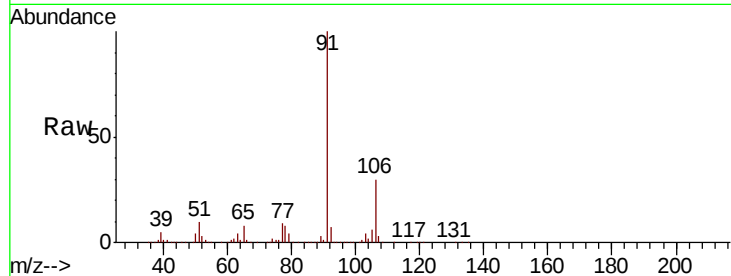
#67
Ethyl Benzene
Concen: 20.478 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VX004736.D
Acq: 26 Sep 2018 19:42

Instrument :
MSVOA_X
ClientSampled :
VX0926WBSD01

Tot Ion: 91 Resp: 285158
Ion Ratio Lower Upper
91 100
106 30.0 25.9 38.9

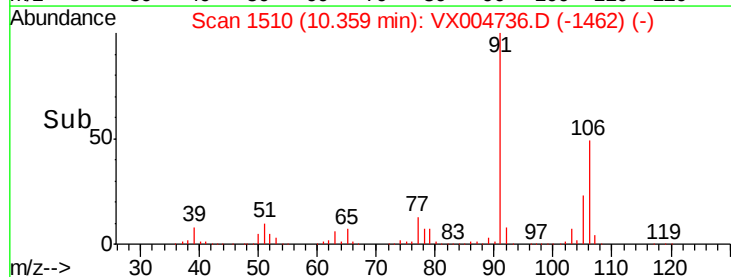
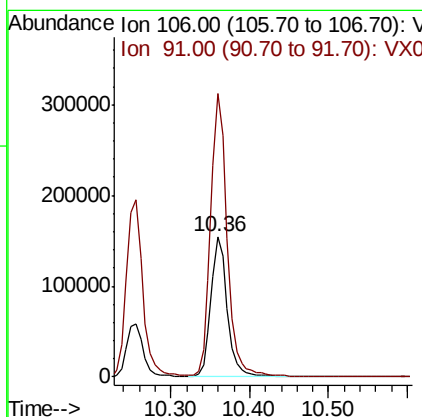
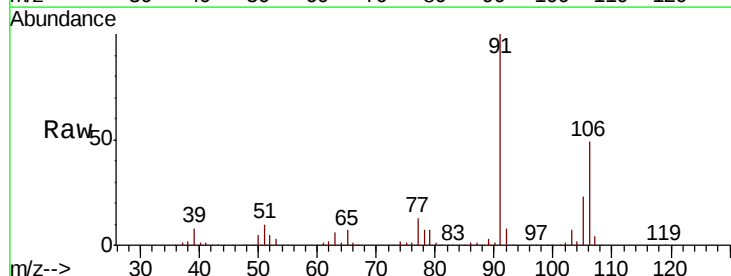
Manual Integrations
APPROVED

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10/1/2018 1:31:00 PM



#68
m/p-Xylenes
Concen: 41.344 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.01 min
Lab File: VX004736.D
Acq: 26 Sep 2018 19:42

Tgt Ion: 106 Resp: 224982
Ion Ratio Lower Upper
106 100
91 204.3 157.1 235.7





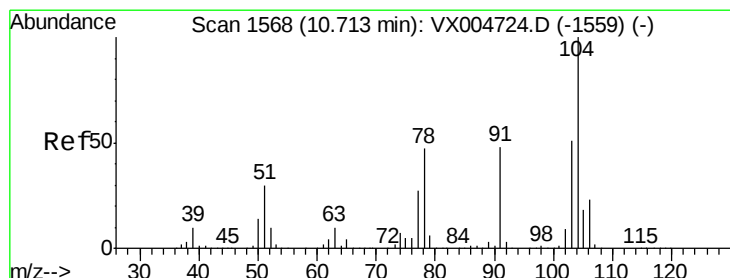
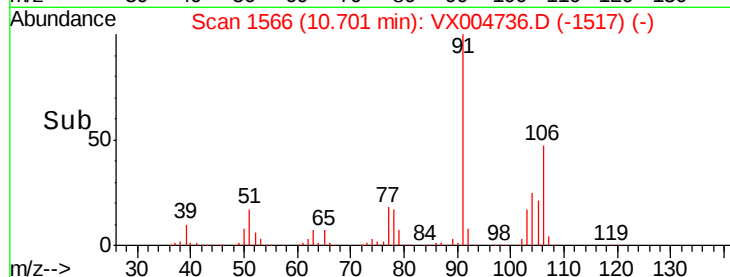
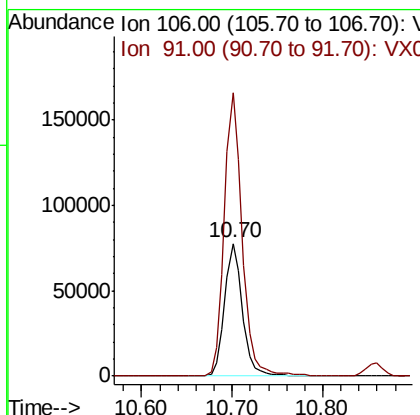
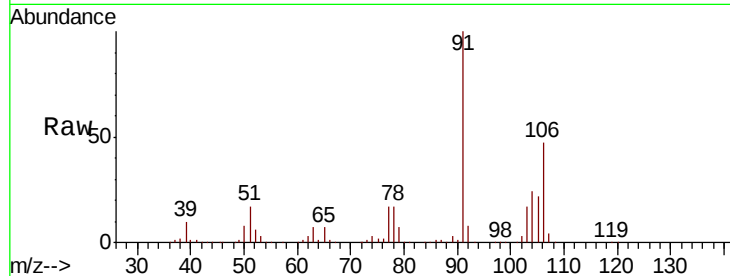
#69
o-Xylene
Concen: 21.463 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004736.D
Acq: 26 Sep 2018 19:42

Instrument :
MSVOA_X
ClientSampled :
VX0926WBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	214.1	105.1	315.1

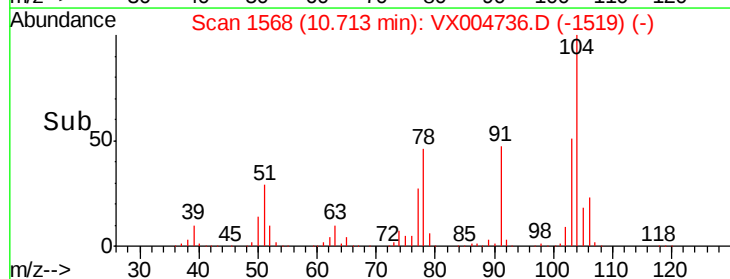
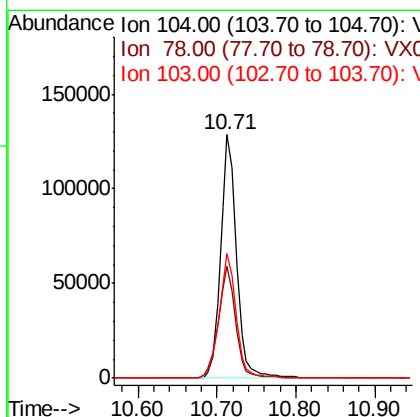
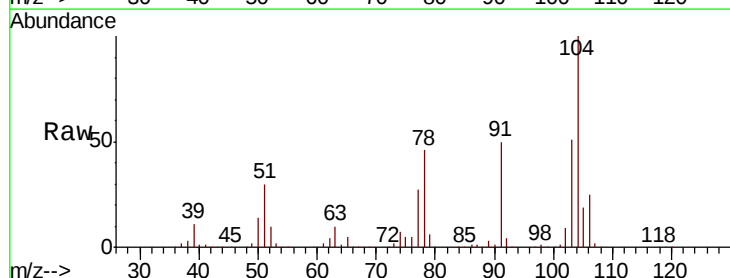
Manual Integrations
APPROVED

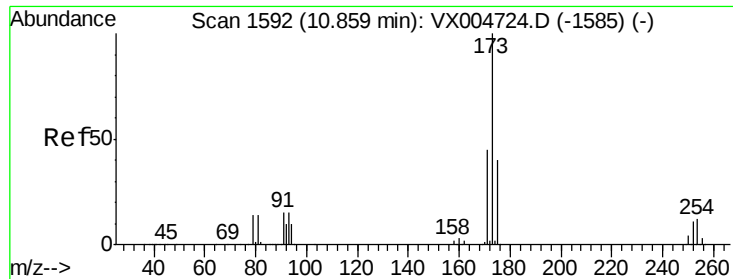
MMDadoda
10/1/2018 1:31:00 PM



#70
Styrene
Concen: 20.690 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX004736.D
Acq: 26 Sep 2018 19:42

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.8	37.4	56.0
103	55.2	43.8	65.6





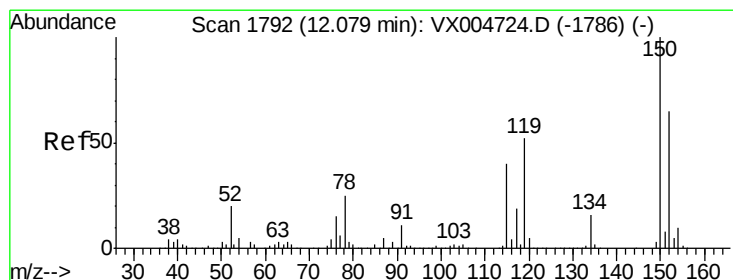
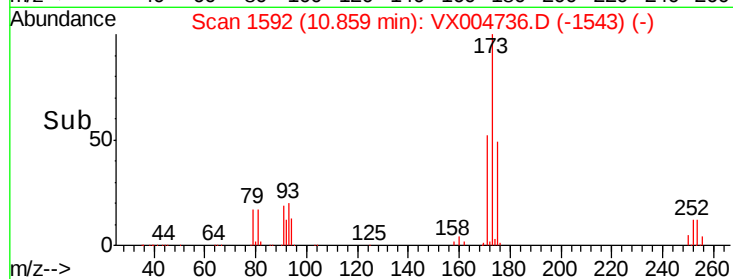
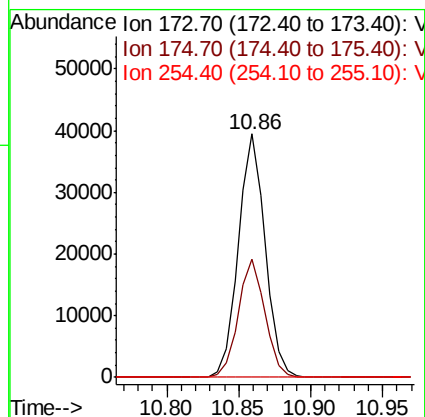
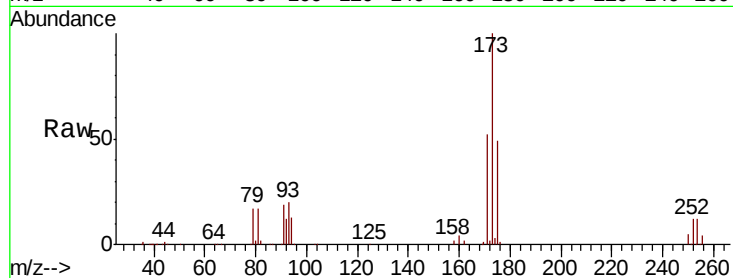
#71
Bromoform
Concen: 19.375 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VX004736.D
Acq: 26 Sep 2018 19:42

Instrument :
MSVOA_X
ClientSampled :
VX0926WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.1	72.3
254	0.2	0.2	0.2

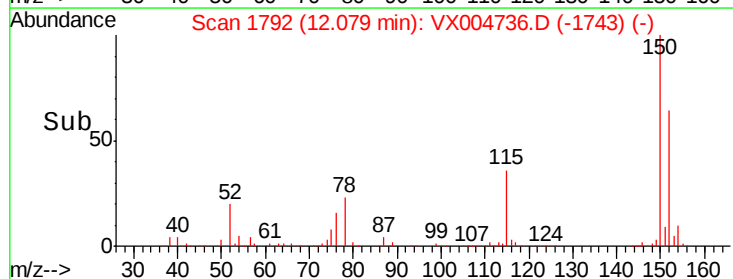
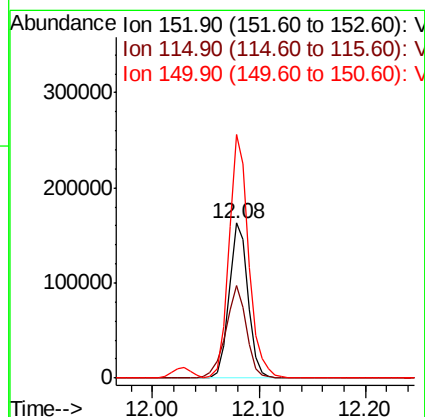
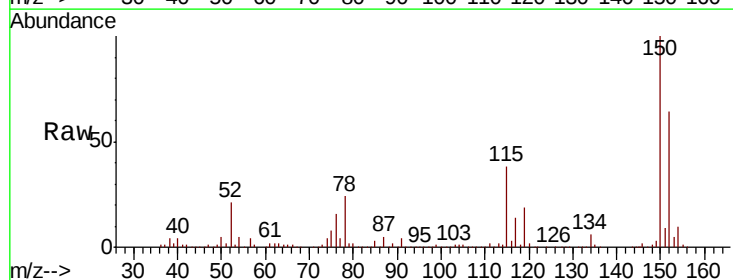
Manual Integrations
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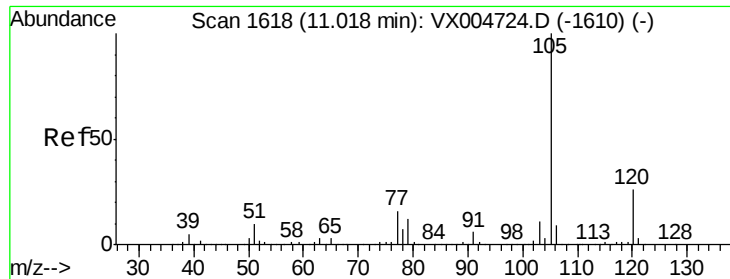
MMDadoda
10/1/2018 1:31:00 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004736.D
Acq: 26 Sep 2018 19:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.8	39.0	117.0
150	162.2	0.0	351.0





#73

Isopropylbenzene

Concen: 22.158 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX004736.D

Acq: 26 Sep 2018 19:42

Instrument :

MSVOA_X

ClientSampleId :

VX0926WBSD01

Tot Ion:105 Resp: 284612

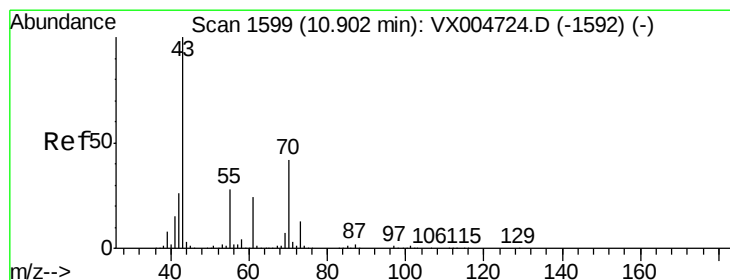
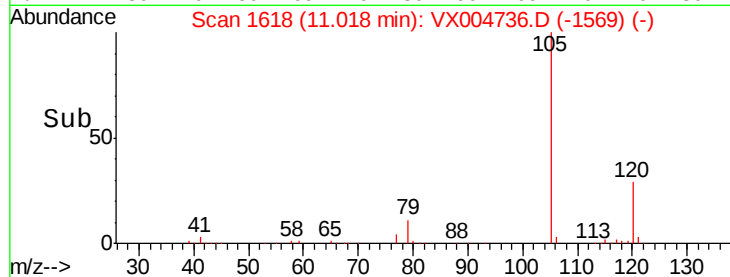
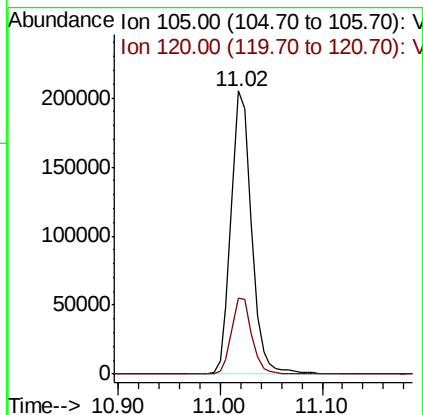
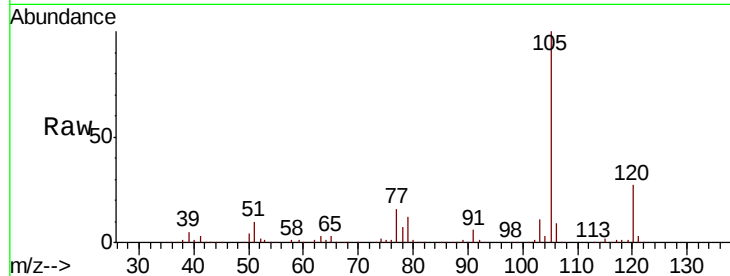
Ion Ratio Lower Upper

105 100

120 26.7 13.5 40.4

Manual Integrations
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#74

N-ethyl acetate

Concen: 20.301 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX004736.D

Acq: 26 Sep 2018 19:42

Tgt Ion: 43 Resp: 135729

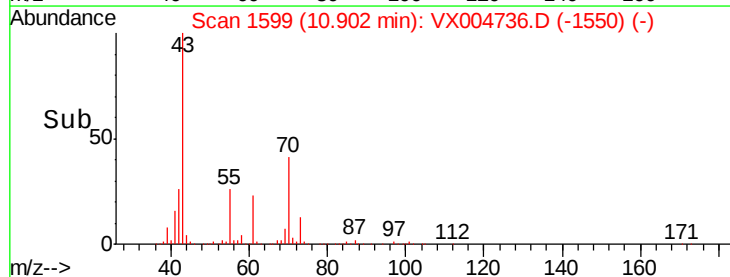
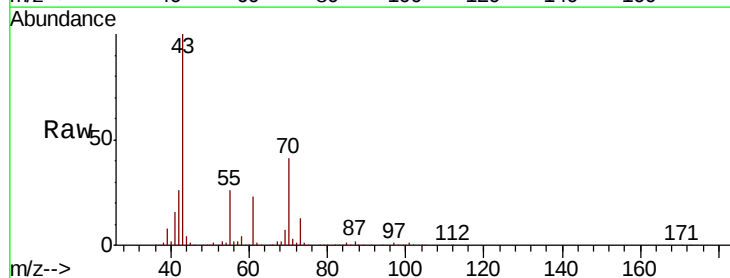
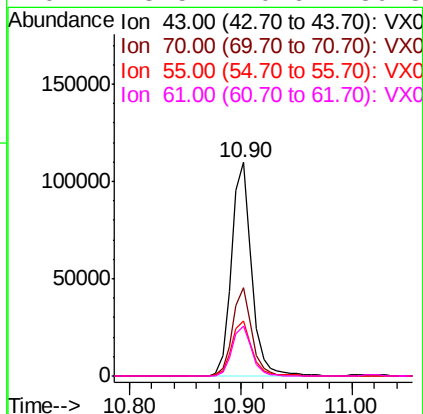
Ion Ratio Lower Upper

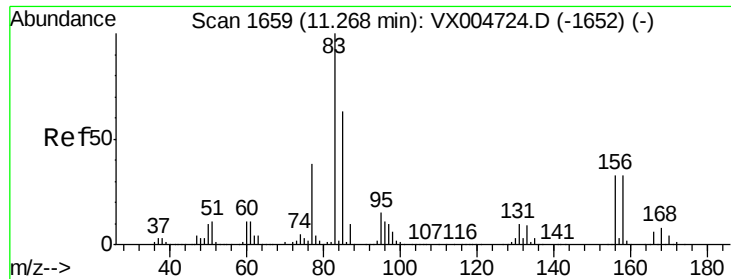
43 100

70 40.5 37.4 56.0

55 26.4 21.8 32.8

61 23.5 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.174 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX004736.D

Acq: 26 Sep 2018 19:42

Instrument :

MSVOA_X

ClientSampled :

VX0926WBSD01

Tot Ion: 83 Resp: 105484
Ion Ratio Lower Upper

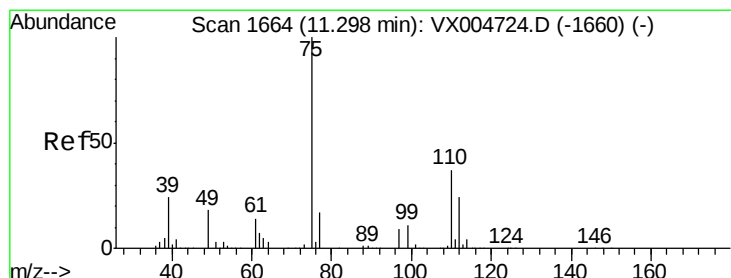
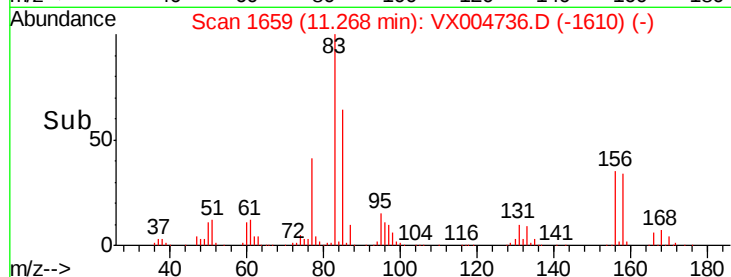
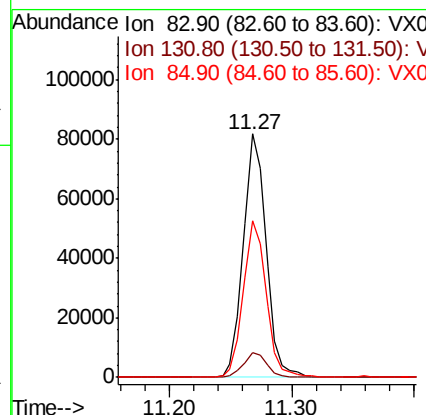
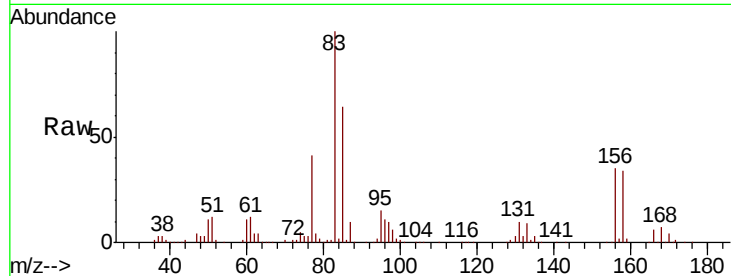
83 100

131 10.4 5.2 15.6

85 64.5 32.3 96.8

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#76

1,2,3-Trichloropropane

Concen: 21.175 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

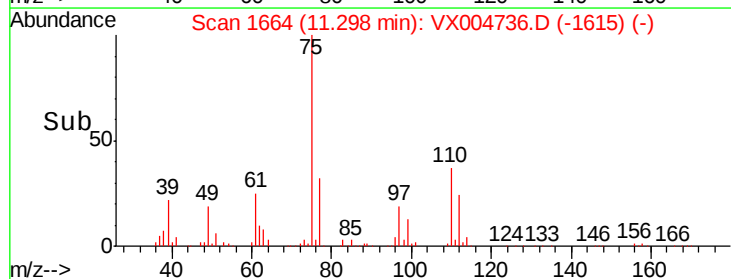
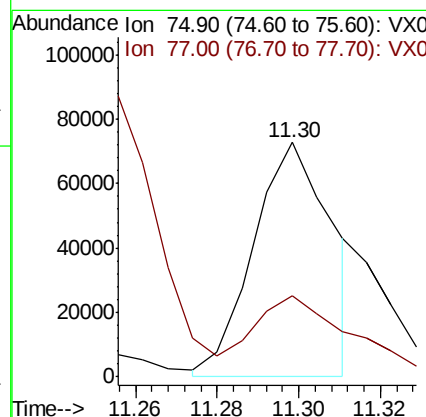
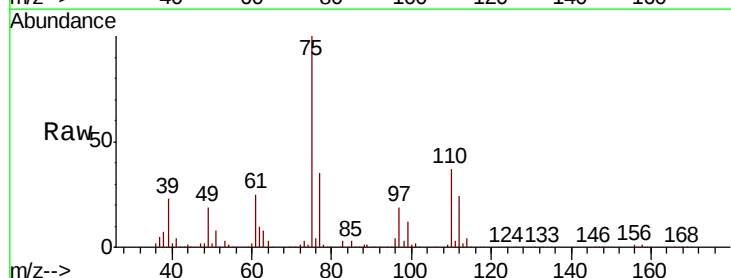
Lab File: VX004736.D

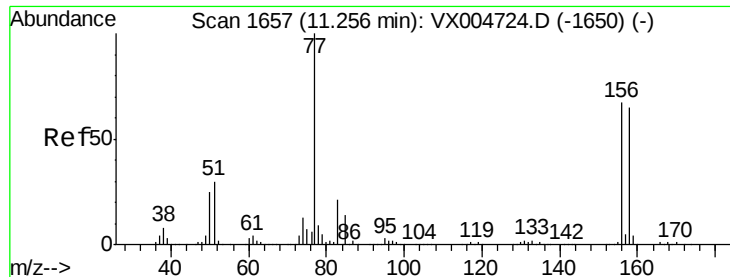
Acq: 26 Sep 2018 19:42

Tgt Ion: 75 Resp: 96715
Ion Ratio Lower Upper

75 100

77 43.2 20.2 60.6





#77

Bromobenzene

Concen: 20.884 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX004736.D

Acq: 26 Sep 2018 19:42

Instrument :

MSVOA_X

ClientSampleId :

VX0926WBSD01

Tot Ion:156 Resp: 77915

Ion Ratio Lower Upper

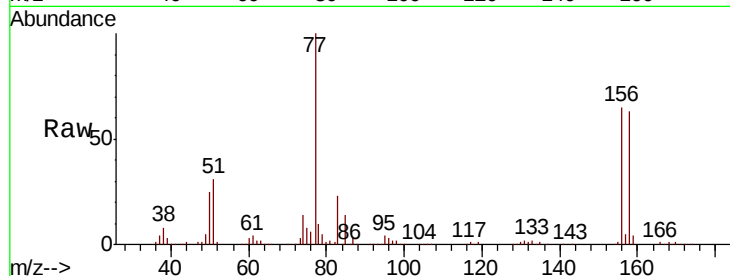
156 100

77 148.9 71.5 214.3

158 98.9 48.9 146.8

Manual Integrations
APPROVED

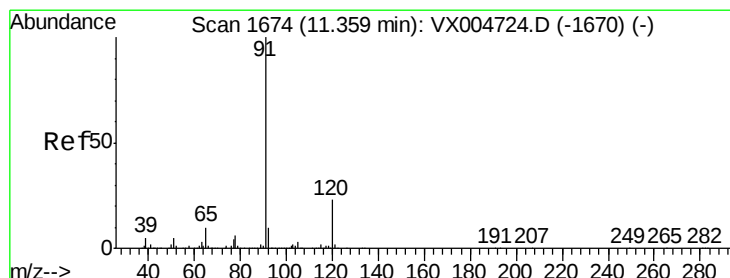
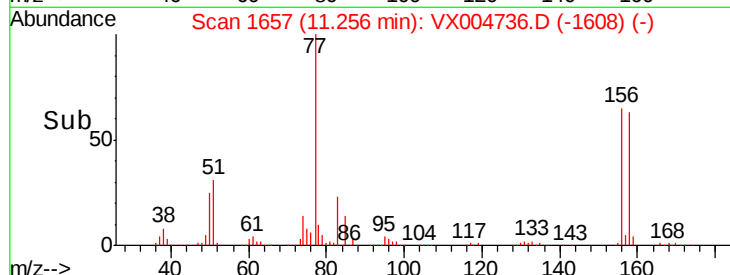
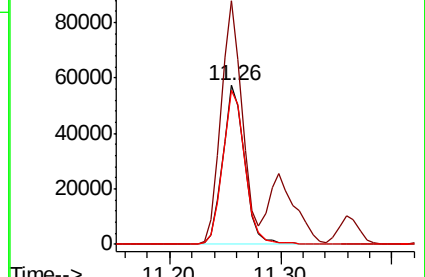
MMDadoda
10/1/2018 1:31:00 PM



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: 22.217 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX004736.D

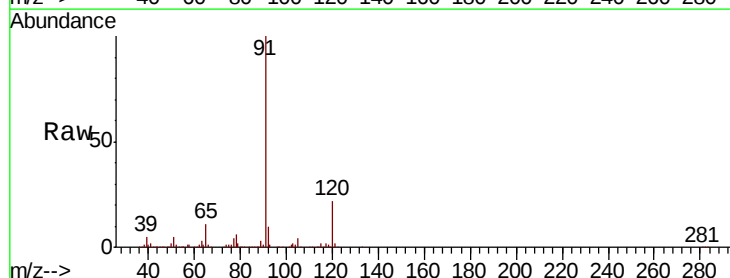
Acq: 26 Sep 2018 19:42

Tgt Ion: 91 Resp: 327430

Ion Ratio Lower Upper

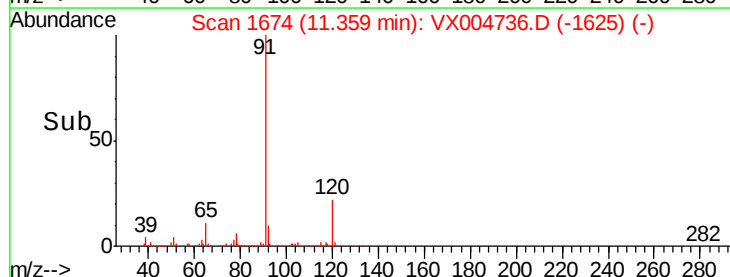
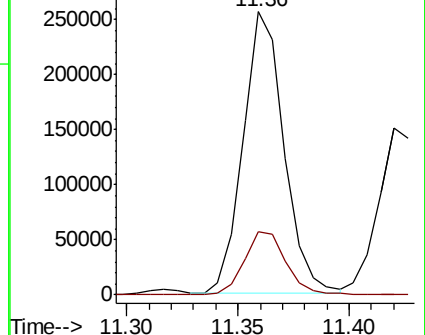
91 100

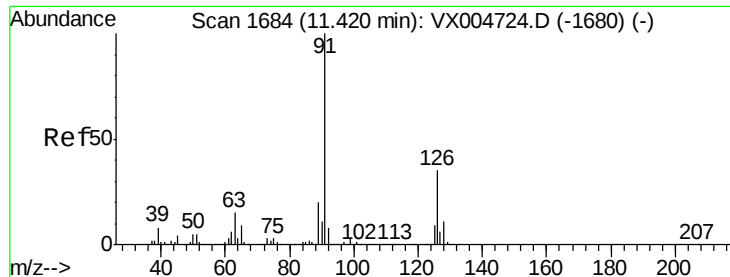
120 23.4 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





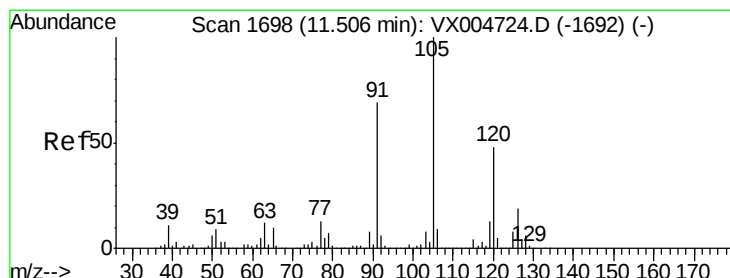
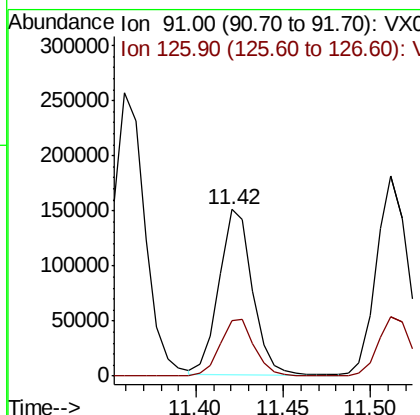
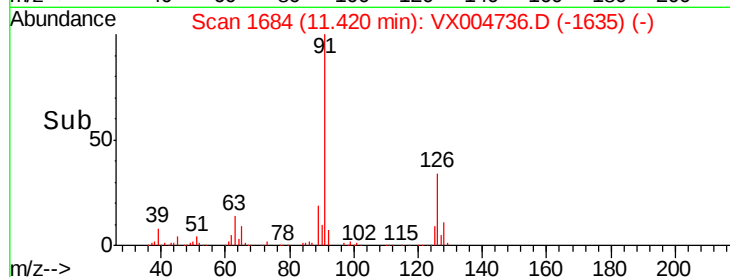
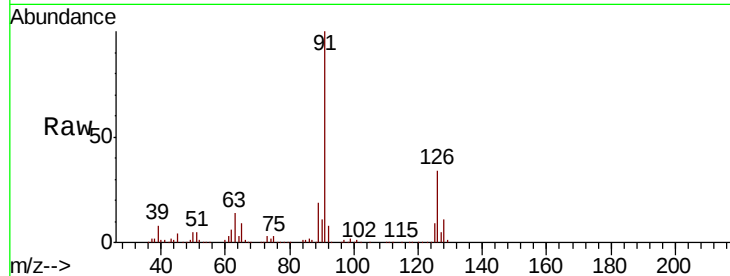
#79
2-Chlorotoluene
Concen: 21.896 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VX004736.D
Acq: 26 Sep 2018 19:42

Instrument :
MSVOA_X
ClientSampleId :
VX0926WBSD01

Tot Ion: 91 Resp: 201142
Ion Ratio Lower Upper
91 100
126 35.1 17.9 53.7

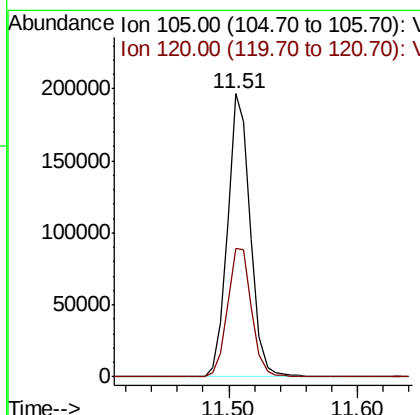
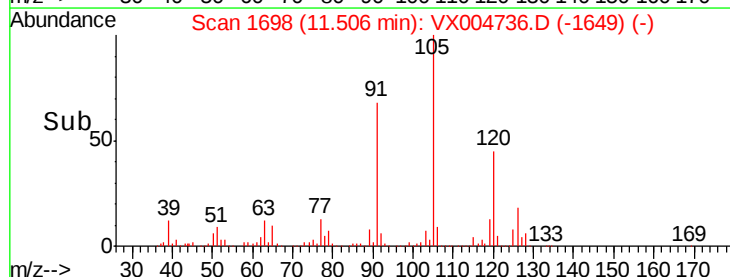
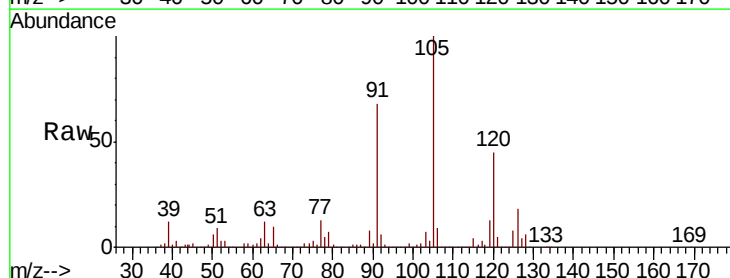
Manual Integrations
APPROVED

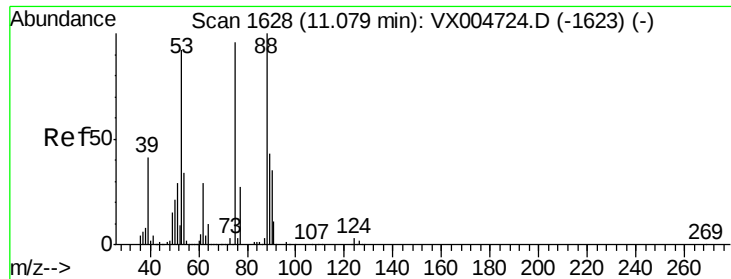
MMDadoda
10/1/2018 1:31:00 PM



#80
1,3,5-Trimethylbenzene
Concen: 20.527 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX004736.D
Acq: 26 Sep 2018 19:42

Tgt Ion: 105 Resp: 243025
Ion Ratio Lower Upper
105 100
120 48.3 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 18.280 ug/l

RT: 11.08 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VX004736.D

Acq: 26 Sep 2018 19:42

Instrument :

MSVOA_X

ClientSampleId :

VX0926WBSD01

Tot Ion: 75 Resp: 28414

Ion Ratio Lower Upper

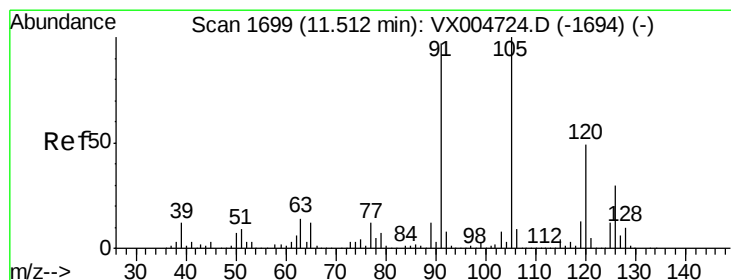
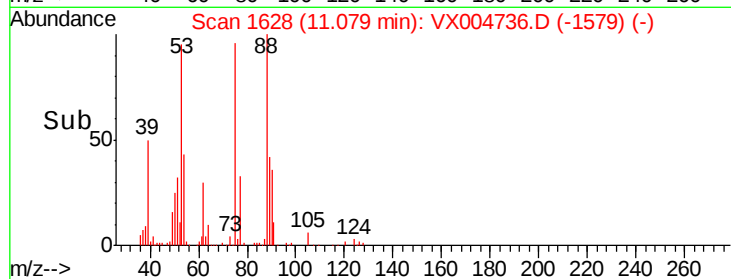
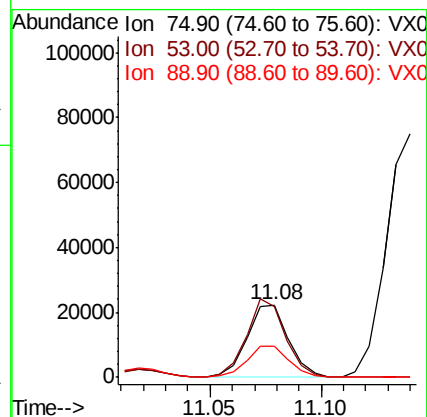
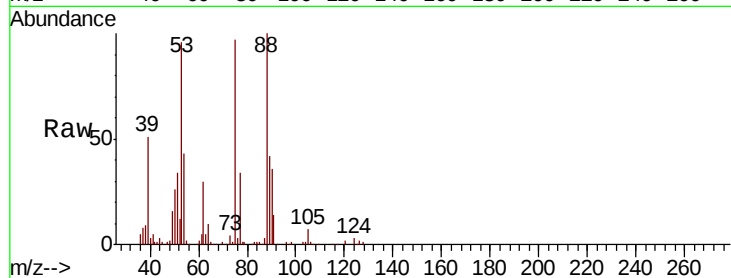
75 100

53 103.3 80.1 120.1

89 44.9 37.2 55.8

Manual Integrations
APPROVED

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10/1/2018 1:31:00 PM



#82

4-Chlorotoluene

Concen: 21.777 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX004736.D

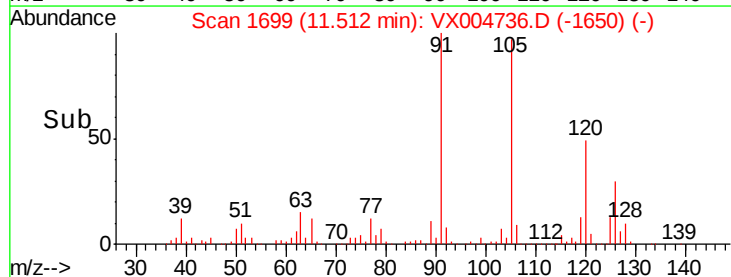
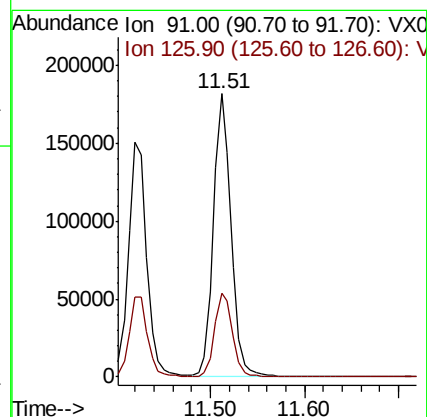
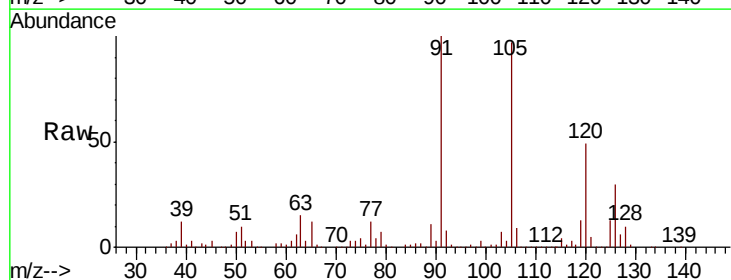
Acq: 26 Sep 2018 19:42

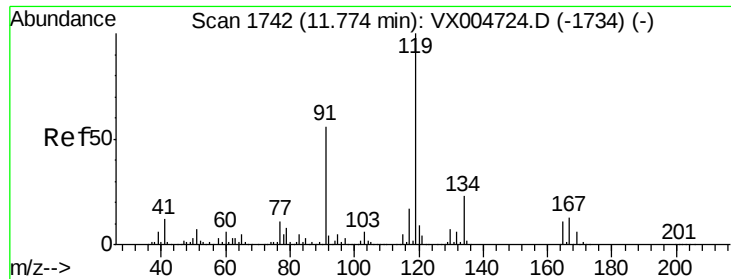
Tgt Ion: 91 Resp: 235469

Ion Ratio Lower Upper

91 100

126 30.3 15.5 46.5





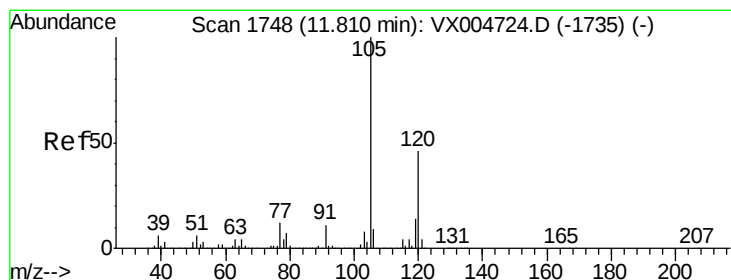
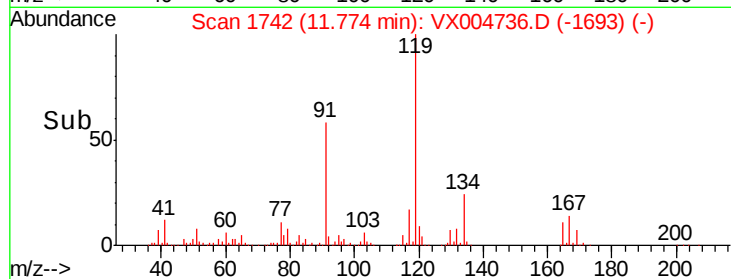
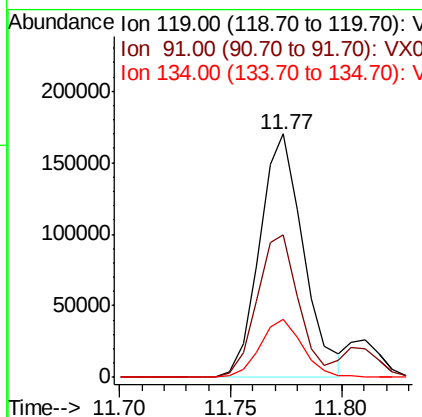
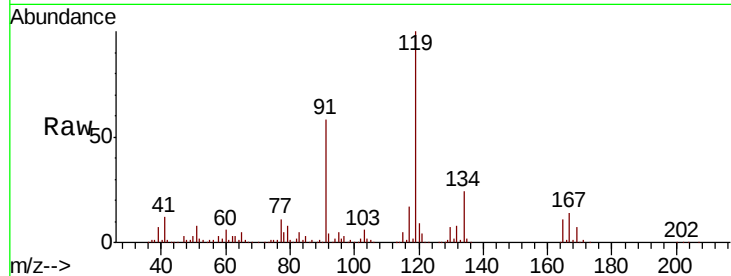
#83
 tert-Butylbenzene
 Concen: 21.958 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX004736.D
 Acq: 26 Sep 2018 19:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0926WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	232216		
91	55.6	27.0	81.0	
134	23.2	11.7	35.1	

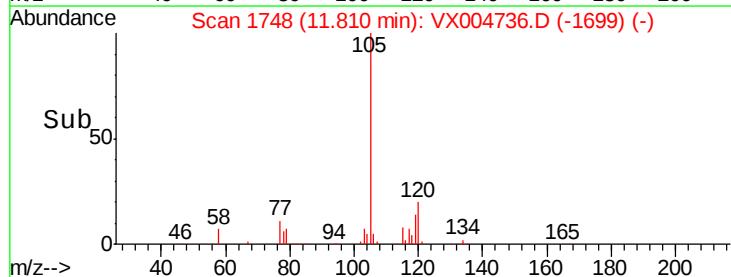
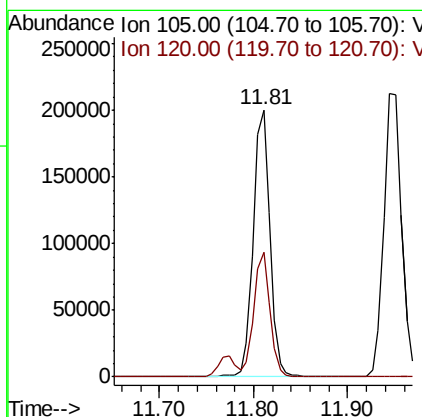
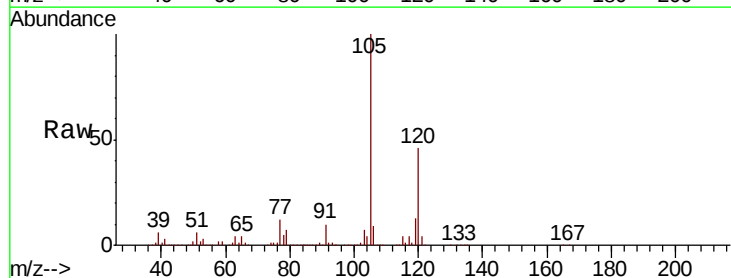
Manual Integrations
 APPROVED

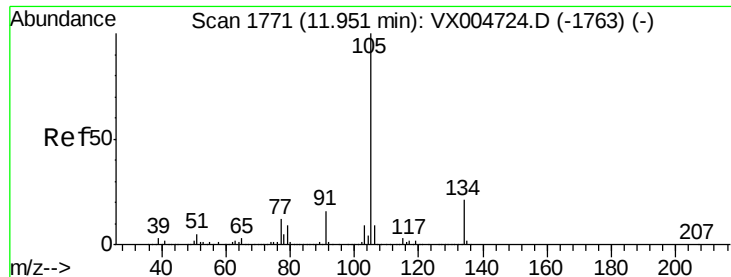
MMDadoda
 10/1/2018 1:31:00 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.696 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX004736.D
 Acq: 26 Sep 2018 19:42

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	252671		
120	45.0	23.2	69.6	





#85

sec-Butylbenzene

Concen: 21.822 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004736.D

Acq: 26 Sep 2018 19:42

Instrument :

MSVOA_X

ClientSampleId :

VX0926WBSD01

Tot Ion:105 Resp: 281096

Ion Ratio Lower Upper

105 100

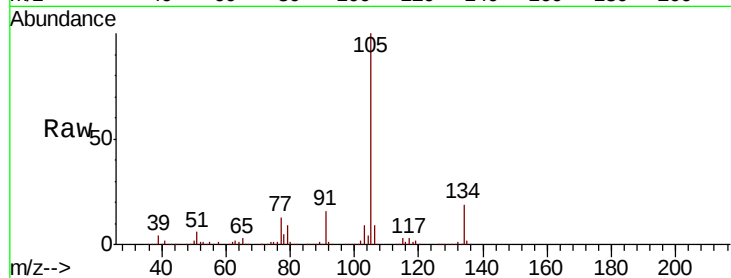
134 20.3 10.5 31.5

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

100000

50000

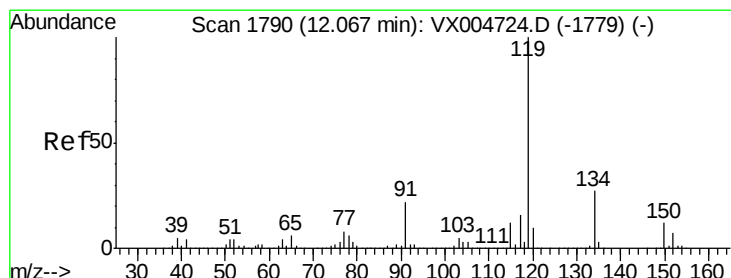
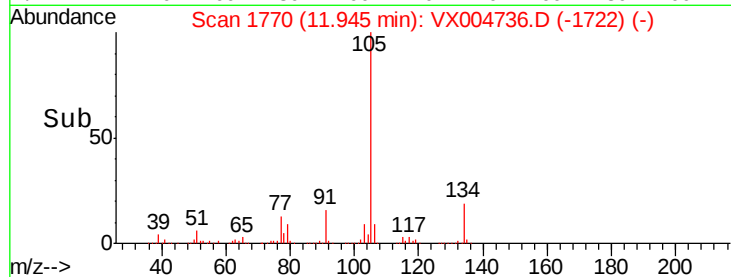
0

11.90

11.94

12.00

Time-->



#86

p-Isopropyltoluene

Concen: 21.744 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX004736.D

Acq: 26 Sep 2018 19:42

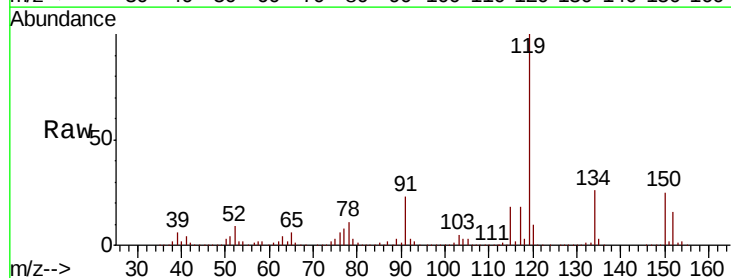
Tgt Ion:119 Resp: 253764

Ion Ratio Lower Upper

119 100

134 26.3 13.4 40.2

91 23.5 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

300000

250000

200000

150000

100000

50000

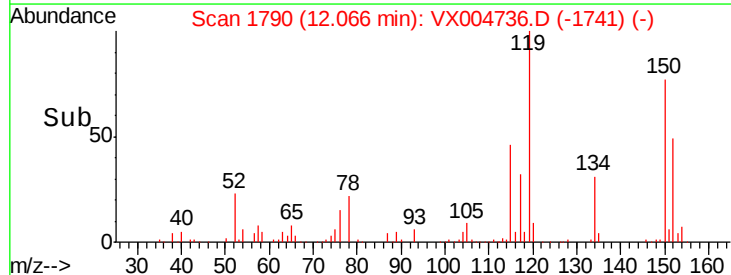
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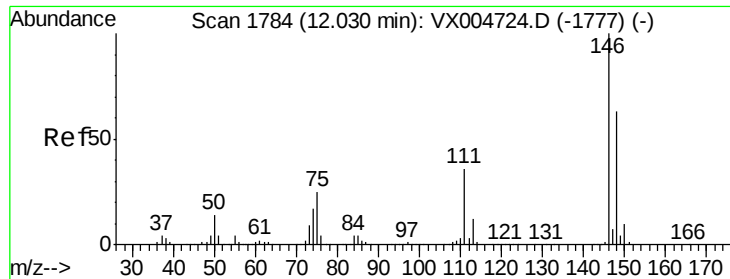
12.00

12.07

12.10

Time-->





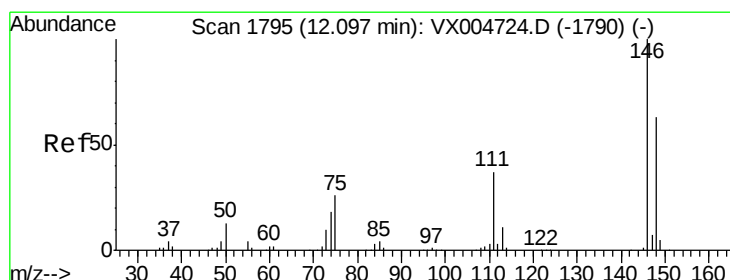
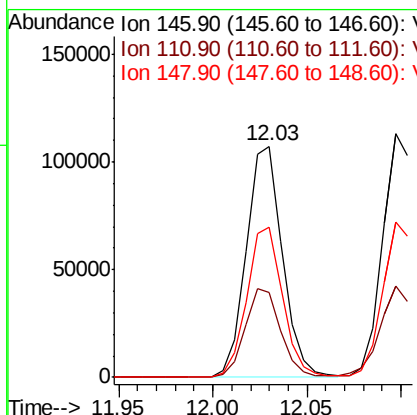
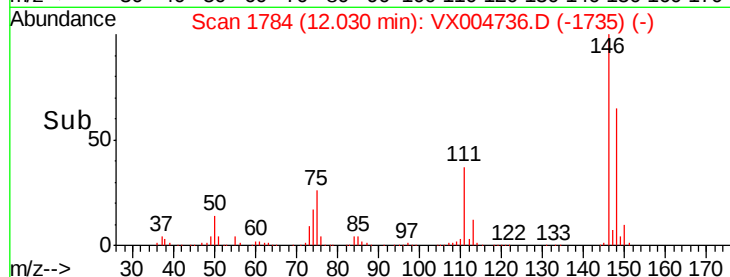
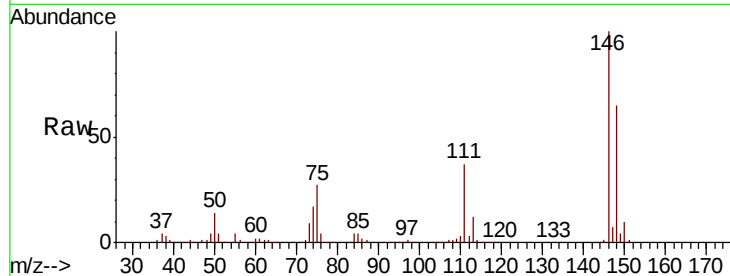
#87
 1,3-Dichlorobenzene
 Concen: 20.538 ug/l
 RT: 12.03 min Scan# 1784
 Delta R.T. -0.00 min
 Lab File: VX004736.D
 Acq: 26 Sep 2018 19:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0926WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.7	56.1
148	64.2	32.1	96.5

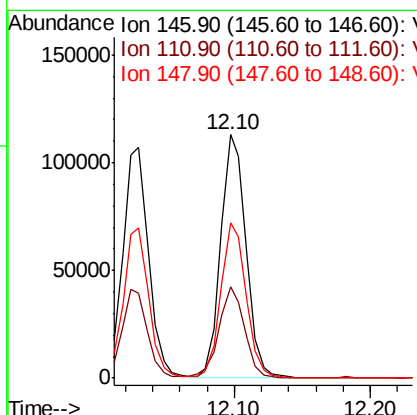
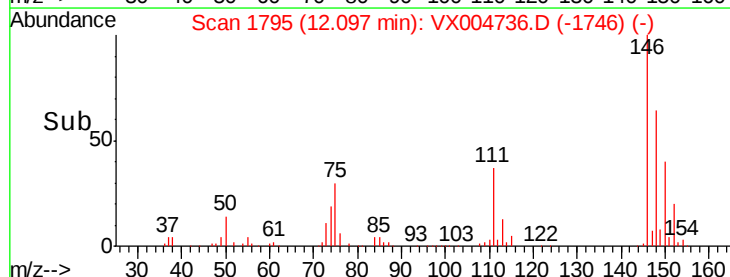
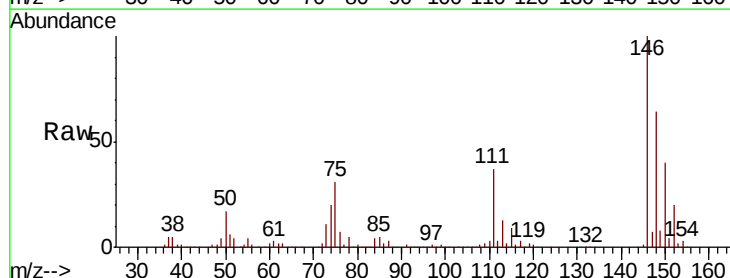
Manual Integrations
 APPROVED

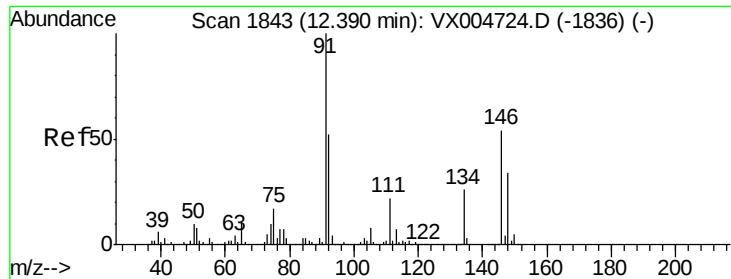
MMDadoda
 10/1/2018 1:31:00 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.229 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX004736.D
 Acq: 26 Sep 2018 19:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.1	54.1
148	63.9	32.0	96.0





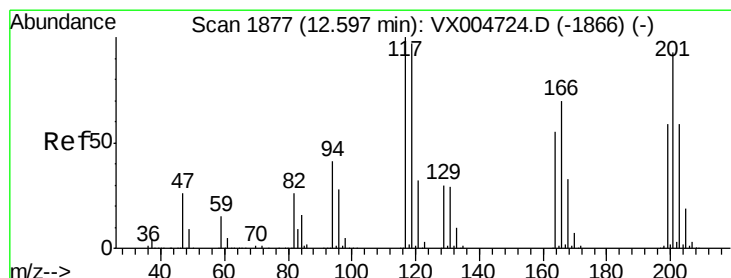
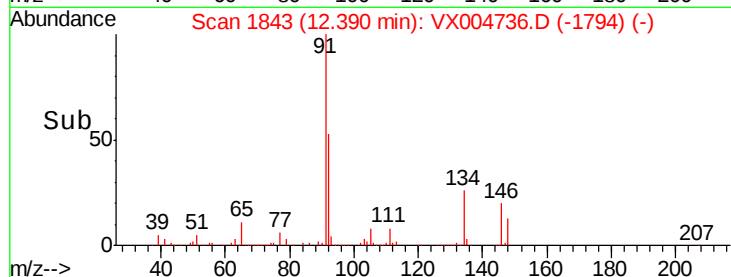
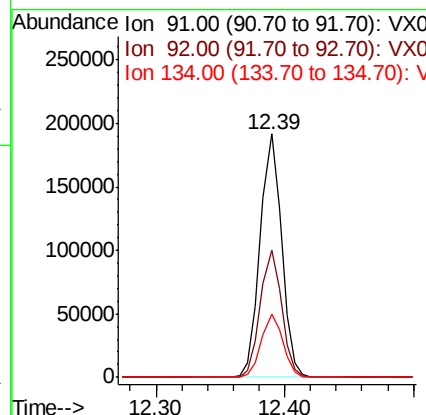
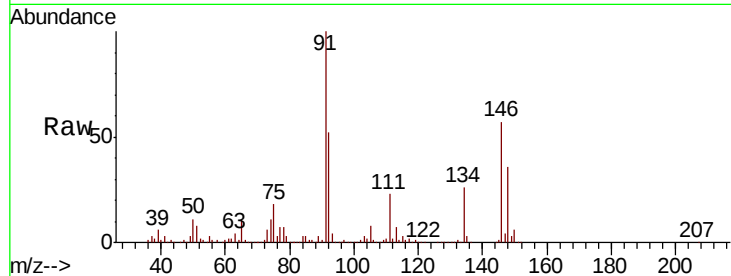
#89
n-Butylbenzene
Concen: 20.699 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX004736.D
Acq: 26 Sep 2018 19:42

Instrument :
MSVOA_X
ClientSampleID :
VX0926WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.2	27.3	81.9	
134	26.1	13.6	40.7	

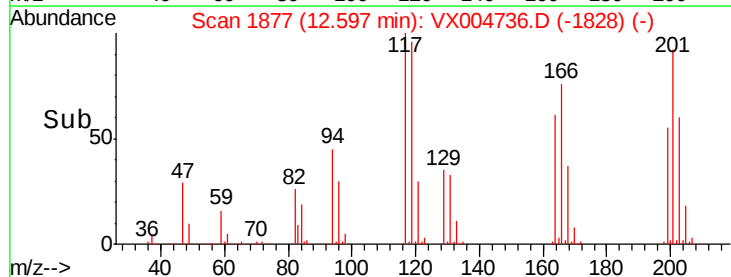
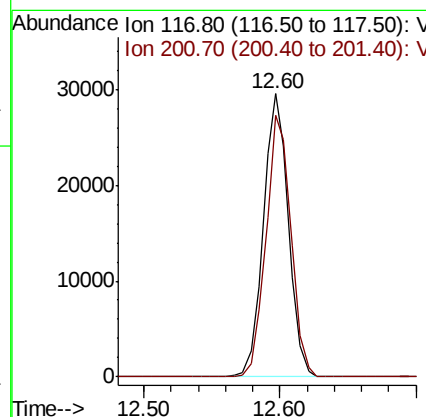
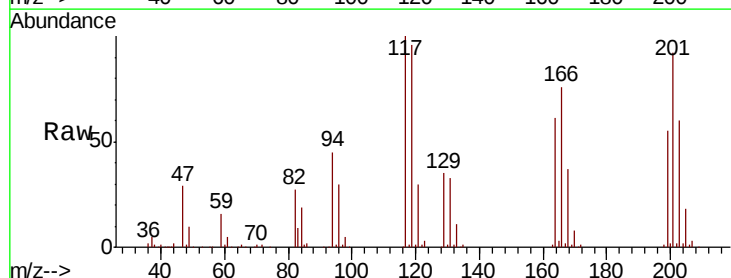
Manual Integrations
APPROVED

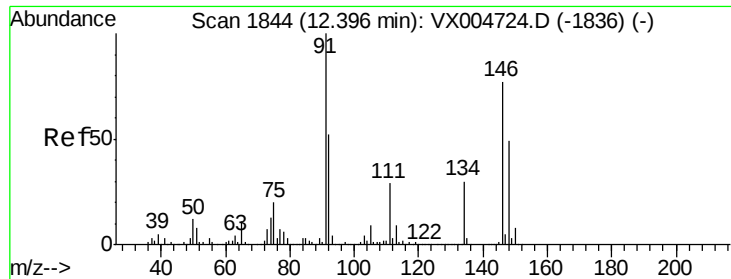
MMDadoda
10/1/2018 1:31:00 PM



#90
Hexachloroethane
Concen: 19.607 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX004736.D
Acq: 26 Sep 2018 19:42

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	92.4	46.9	140.6	





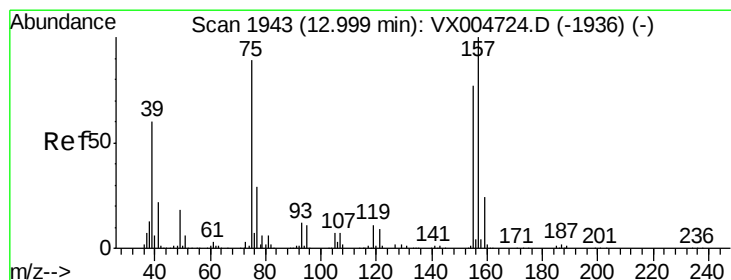
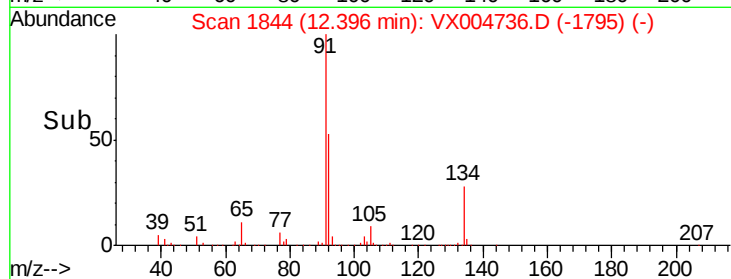
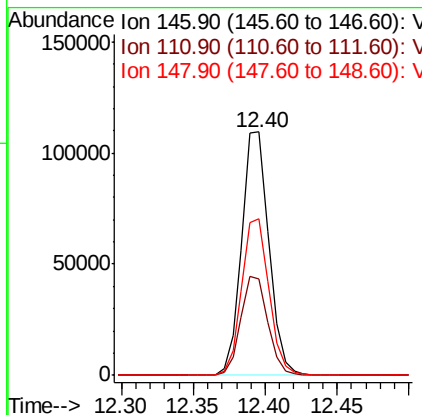
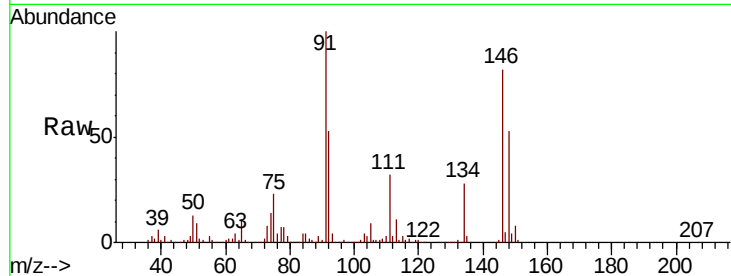
#91
 1,2-Dichlorobenzene
 Concen: 19.815 ug/l
 RT: 12.40 min Scan# 1844
 Delta R.T. -0.00 min
 Lab File: VX004736.D
 Acq: 26 Sep 2018 19:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0926WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.4	58.1
148	64.5	32.8	98.3

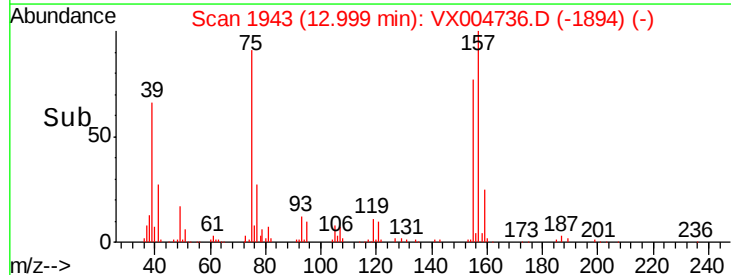
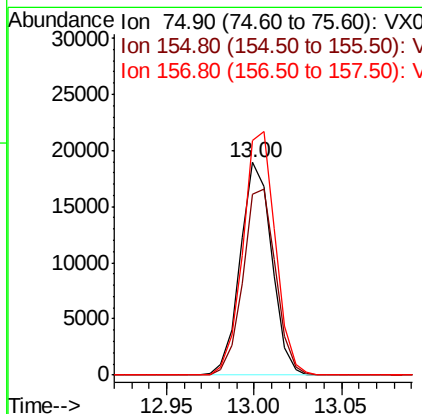
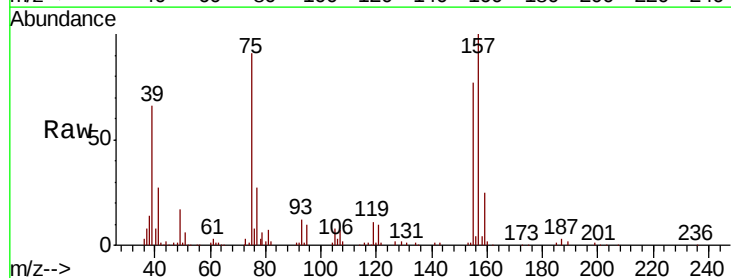
Manual Integrations
 APPROVED

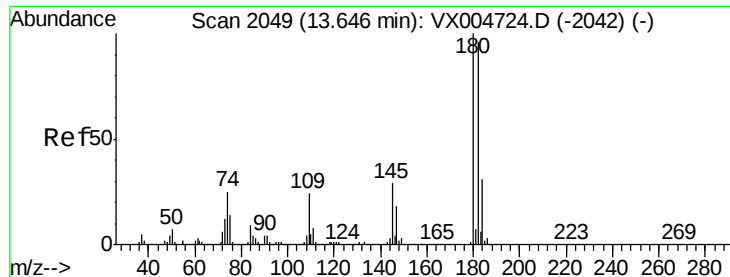
MMDadoda
 10/1/2018 1:31:00 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.692 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX004736.D
 Acq: 26 Sep 2018 19:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.2	48.0	144.2
157	117.3	61.4	184.1





#93

1,2,4-Trichlorobenzene

Concen: 20.028 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX004736.D

Acq: 26 Sep 2018 19:42

Instrument :

MSVOA_X

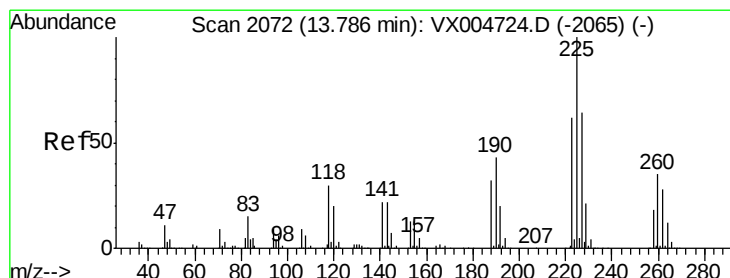
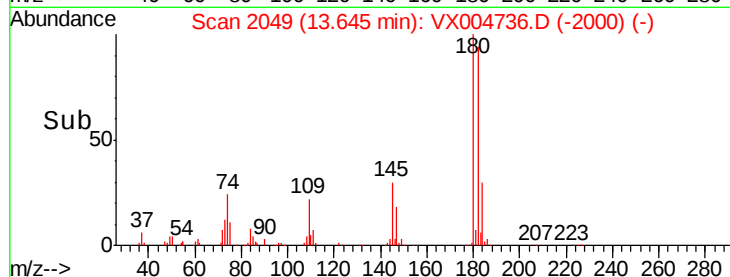
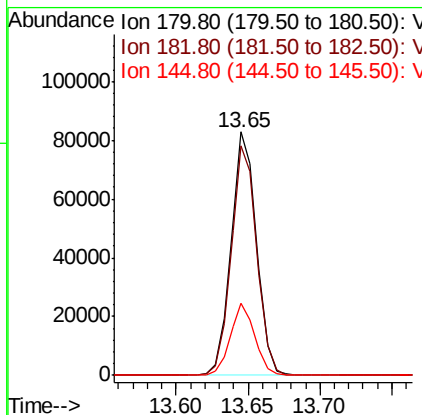
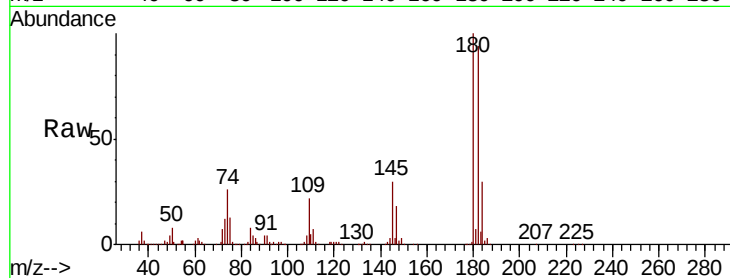
ClientSampleId :

VX0926WBSD01

Tot Ion:	180	Resp:	102284
Ion Ratio	Lower	Upper	
180	100		
182	94.9	48.4	145.0
145	28.6	14.3	42.9

Manual Integrations
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MMDadoda
10/1/2018 1:31:00 PM



#94

Hexachlorobutadiene

Concen: 19.275 ug/l

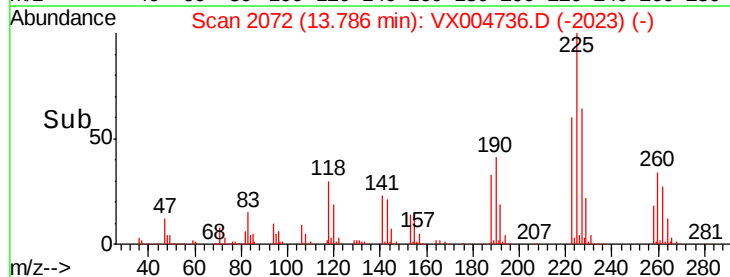
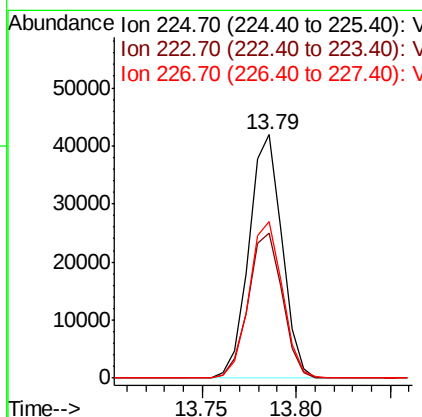
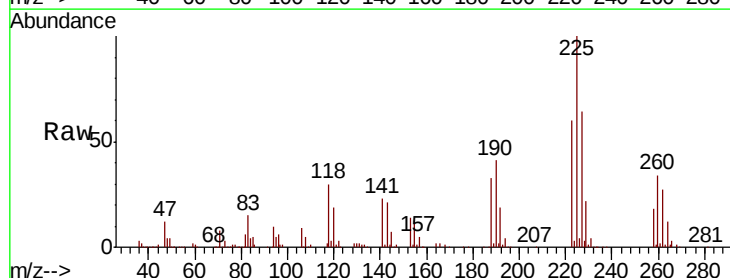
RT: 13.79 min Scan# 2072

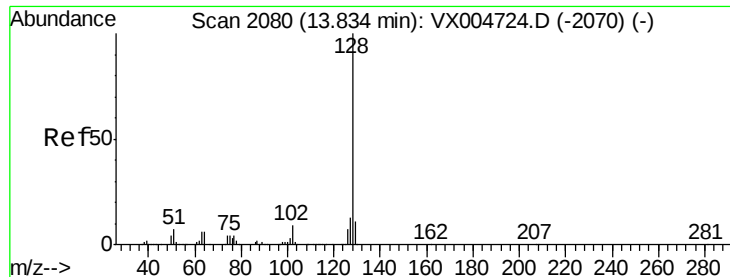
Delta R.T. -0.00 min

Lab File: VX004736.D

Acq: 26 Sep 2018 19:42

Tgt Ion:	225	Resp:	51045
Ion Ratio	Lower	Upper	
225	100		
223	61.3	30.1	90.5
227	64.6	30.8	92.4





#95

Naphthalene

Concen: 19.946 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004736.D

Acq: 26 Sep 2018 19:42

Instrument :

MSVOA_X

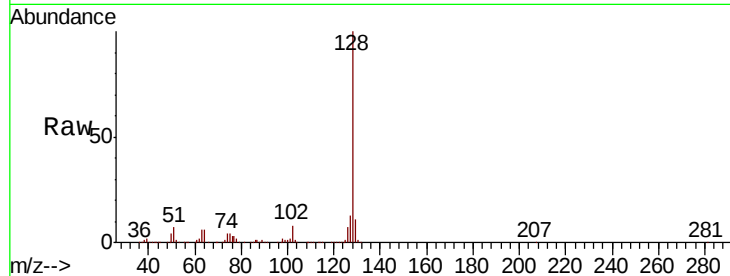
ClientSampleId :

VX0926WBSD01

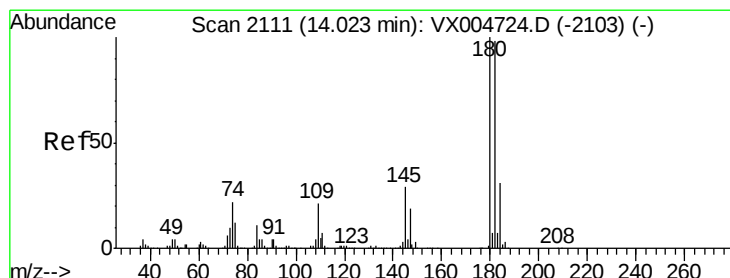
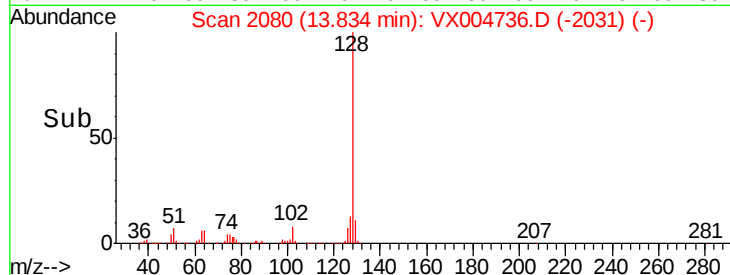
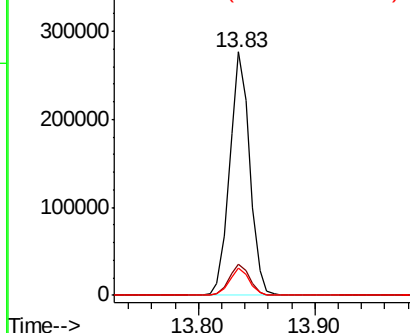
Tot Ion:	128	Resp:	330666
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.2	15.2
129	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/1/2018 1:31:00 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.290 ug/l

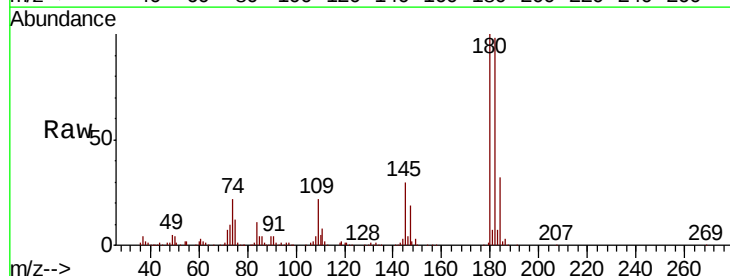
RT: 14.02 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VX004736.D

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Tgt Ion:	180	Resp:	107043
Ion Ratio	Lower	Upper	
180	100		
182	97.0	48.5	145.6
145	30.5	14.9	44.9



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

