

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080518\
 Data File : VX003854.D
 Acq On : 03 Aug 2018 17:47
 Operator : JC/MD
 Sample : VX0805MBS01
 Misc : 5.0µl/10mL/100µL5.00mL/MSVOA_X/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0805MBS01

Manual Integrations
 APPROVED

MMDadoda
 8/6/2018 10:47:32 AM

Quant Time: Aug 03 19:02:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080318W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 03 01:55:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	95261	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	133975	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	120973	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	72382	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	59611	47.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.90%	
35) Dibromofluoromethane	5.50	113	52448	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	
50) Toluene-d8	8.72	98	191626	47.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.02%	
62) 4-Bromofluorobenzene	11.14	95	67788	46.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.02%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.20	85	18478	20.54	ug/l	99
3) Chloromethane	1.32	50	23338	16.32	ug/l	98
4) Vinyl Chloride	1.40	62	22278	18.61	ug/l	100
5) Bromomethane	1.64	94	10585	18.48	ug/l	99
6) Chloroethane	1.72	64	9433	12.92	ug/l	99
7) Trichlorofluoromethane	1.93	101	23927	15.83	ug/l	97
8) Diethyl Ether	2.19	74	9325	13.74	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.38	101	18141	19.17	ug/l	98
10) Methyl Iodide	2.51	142	24284	18.18	ug/l	98
11) Tert butyl alcohol	3.07	59	24201	88.96	ug/l	100
12) 1,1-Dichloroethene	2.37	96	17074	18.18	ug/l	99
13) Acrolein	2.29	56	15973	70.06	ug/l	99
14) Allyl chloride	2.73	41	32395	18.43	ug/l	99
15) Acrylonitrile	3.15	53	55412	85.59	ug/l	99
16) Acetone	2.45	43	55293	83.65	ug/l	100
17) Carbon Disulfide	2.57	76	45928	17.31	ug/l	99
18) Methyl Acetate	2.78	43	26447	17.33	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	58774	17.69	ug/l	99
20) Methylene Chloride	2.86	84	20222	17.39	ug/l	94
21) trans-1,2-Dichloroethene	3.16	96	18843	17.98	ug/l	93
22) Diisopropyl ether	3.88	45	72128	21.18	ug/l	90
23) Vinyl Acetate	3.82	43	301374	106.48	ug/l	95
24) 1,1-Dichloroethane	3.70	63	34900	18.33	ug/l	98
25) 2-Butanone	4.71	43	99005	88.15	ug/l	99
26) 2,2-Dichloropropane	4.58	77	25573	19.94	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	22083	18.35	ug/l	96
28) Bromochloromethane	5.02	49	17583	19.37	ug/l	98
29) Tetrahydrofuran	5.17	42	55589	96.82	ug/l	98
30) Chloroform	5.21	83	39409	19.81	ug/l	96
31) Cyclohexane	5.57	56	31946	20.01	ug/l	92
32) 1,1,1-Trichloroethane	5.50	97	32363	19.79	ug/l	97
36) 1,1-Dichloropropene	5.80	75	29280	20.53	ug/l	99
37) Ethyl Acetate	4.86	43	30371	18.20	ug/l	99
38) Carbon Tetrachloride	5.78	117	27065	19.12	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	32225	20.50	ug/l	95
40) Benzene	6.14	78	86549	19.40	ug/l	99
41) Methacrylonitrile	5.06	41	17659	19.55	ug/l	100
42) 1,2-Dichloroethane	6.20	62	27972	18.68	ug/l	100
43) Isopropyl Acetate	6.47	43	45715	18.23	ug/l	99
44) Trichloroethene	7.21	130	24639	20.58	ug/l	82
45) 1,2-Dichloropropane	7.52	63	22129	19.10	ug/l	96
46) Dibromomethane	7.67	93	13657	18.27	ug/l	98
47) Bromodichloromethane	7.90	83	25431	18.13	ug/l	100
48) Methyl methacrylate	7.78	41	22959	18.18	ug/l	100
49) 1,4-Dioxane	7.76	88	10911	364.85	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	192942	92.25	ug/l	99
52) Toluene	8.79	92	53267	19.47	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	28476	18.61	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	32001	19.21	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	21469	18.44	ug/l	99
56) Ethyl methacrylate	9.18	69	31161	19.12	ug/l	100
57) 1,3-Dichloropropane	9.37	76	35476	18.73	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	78116	93.19	ug/l	99
59) 2-Hexanone	9.50	43	149244	93.13	ug/l	100
60) Dibromochloromethane	9.59	129	20890	18.33	ug/l	99
61) 1,2-Dibromoethane	9.68	107	22880	19.13	ug/l	98
64) Tetrachloroethene	9.34	164	22390	20.45	ug/l	95
65) Chlorobenzene	10.14	112	59890	20.09	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	20992	20.00	ug/l	100
67) Ethyl Benzene	10.26	91	98907	20.75	ug/l	99
68) m/p-Xylenes	10.36	106	77911	41.81	ug/l	100
69) o-Xylene	10.70	106	37179	20.70	ug/l	100
70) Styrene	10.71	104	63460	21.27	ug/l	100
71) Bromoform	10.86	173	16343	18.77	ug/l #	99
73) Isopropylbenzene	11.02	105	101335	21.83	ug/l	100
74) N-amyl acetate	6.47	43	45715	19.86	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	33997	20.10	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	29561m	20.26	ug/l	
77) Bromobenzene	11.26	156	27851	21.03	ug/l	99
78) n-propylbenzene	11.36	91	115309	21.96	ug/l	99
79) 2-Chlorotoluene	11.42	91	68590	21.12	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	85677	22.00	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	9562	20.65	ug/l	97
82) 4-Chlorotoluene	11.51	91	80515	21.43	ug/l	99
83) tert-Butylbenzene	11.77	119	84401	21.55	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	87943	21.83	ug/l	100
85) sec-Butylbenzene	11.95	105	99845	22.07	ug/l	100
86) p-Isopropyltoluene	12.07	119	90103	21.98	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	50421	20.48	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	51688	20.31	ug/l	98
89) n-Butylbenzene	12.39	91	74517	21.21	ug/l	100
90) Hexachloroethane	12.60	117	13228	19.92	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	50987	20.27	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	6950	18.59	ug/l	98

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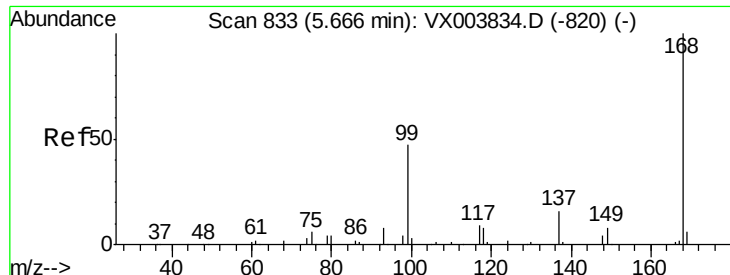
Manual Integrations
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QLast Update : Fri Aug 03 01:55:28 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	36608	20.54	µg/l	100
94) Hexachlorobutadiene	13.79	225	17139	20.37	µg/l	98
95) Naphthalene	13.83	128	108257	20.86	µg/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	37536	20.24	µg/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003854.D

Acq: 03 Aug 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

VX0805MBS01

Tot Ion:168 Resp: 95261

Ion Ratio Lower Upper

168 100

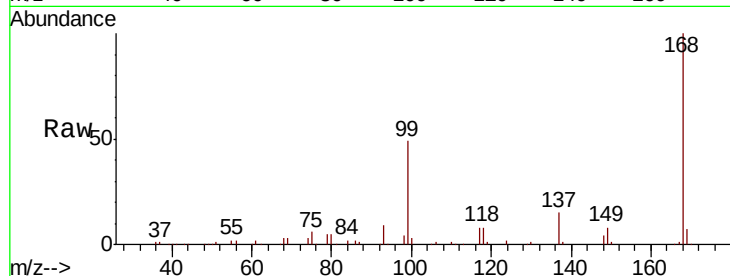
99 49.5 38.1 57.1

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

40000

30000

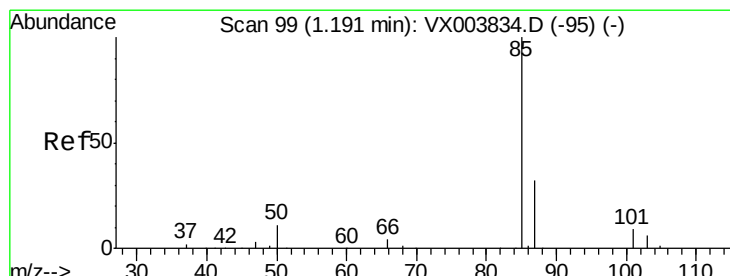
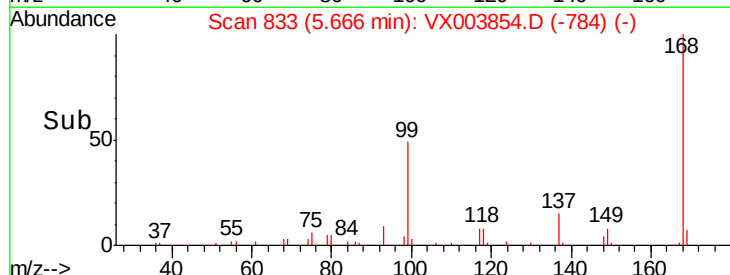
20000

10000

0

5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.54 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.01 min

Lab File: VX003854.D

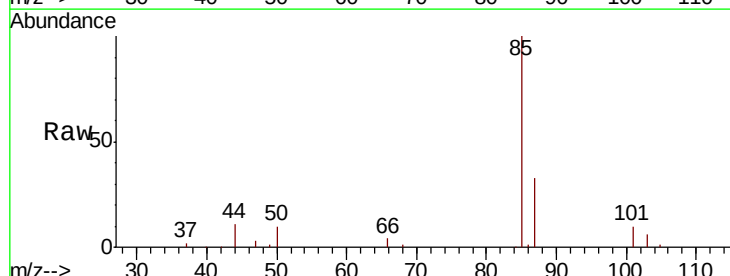
Acq: 03 Aug 2018 17:47

Tgt Ion: 85 Resp: 18478

Ion Ratio Lower Upper

85 100

87 32.7 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

20000

15000

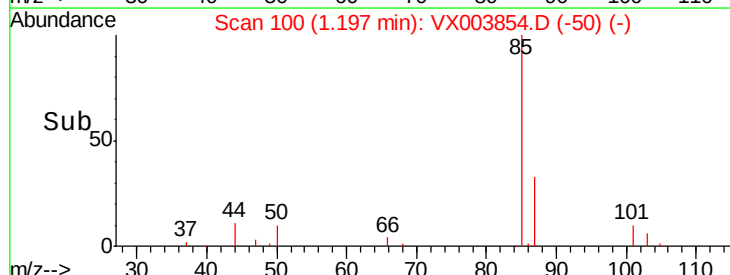
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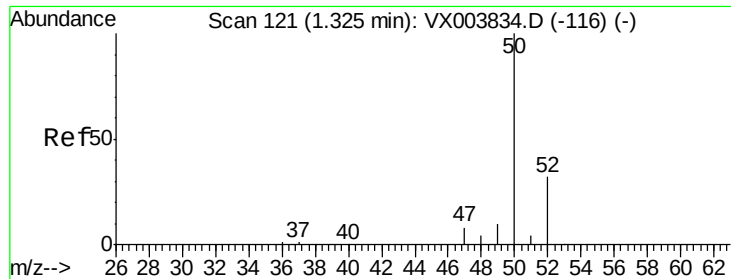
5000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 16.32 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003854.D

Acq: 03 Aug 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

VX0805MBS01

Tot Ion: 50 Resp: 23338

Ion Ratio Lower Upper

50 100

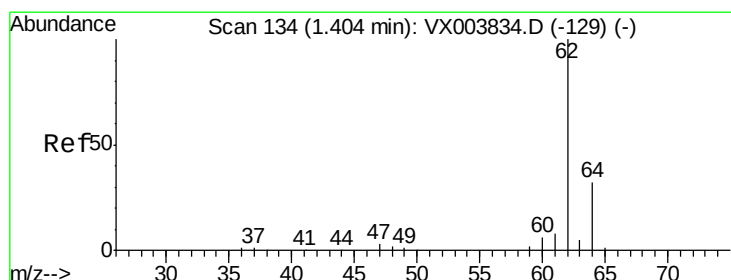
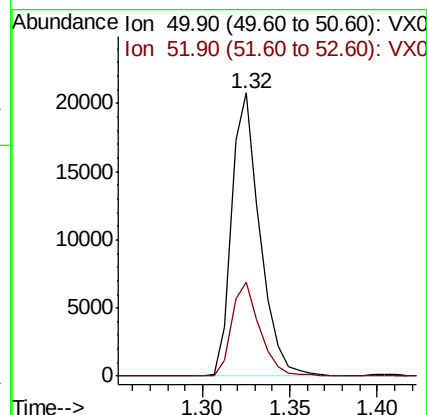
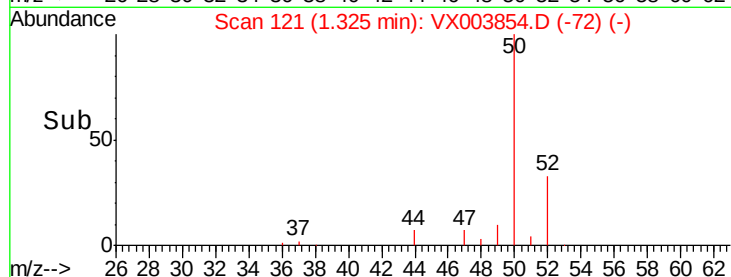
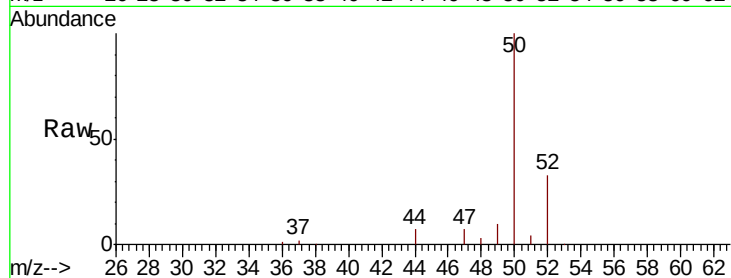
52 33.2 25.8 38.8

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#4

Vinyl Chloride

Concen: 18.61 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003854.D

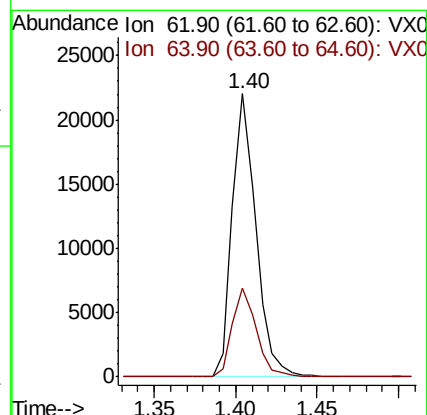
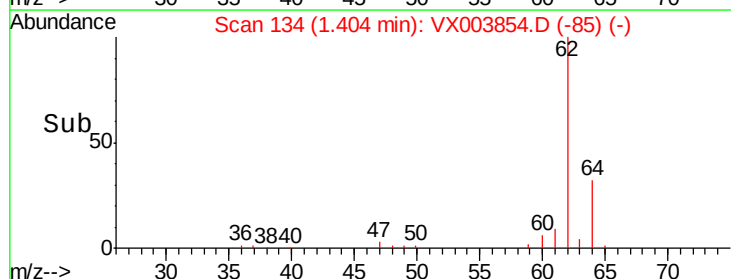
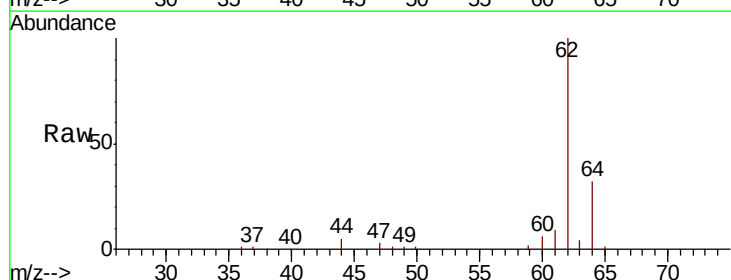
Acq: 03 Aug 2018 17:47

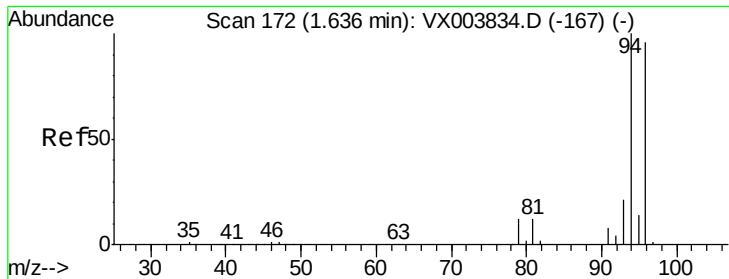
Tgt Ion: 62 Resp: 22278

Ion Ratio Lower Upper

62 100

64 31.6 25.3 37.9





#5

Bromomethane

Concen: 18.48 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003854.D

Acq: 03 Aug 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

VX0805MBS01

Tot Ion: 94 Resp: 10585

Ion Ratio Lower Upper

94 100

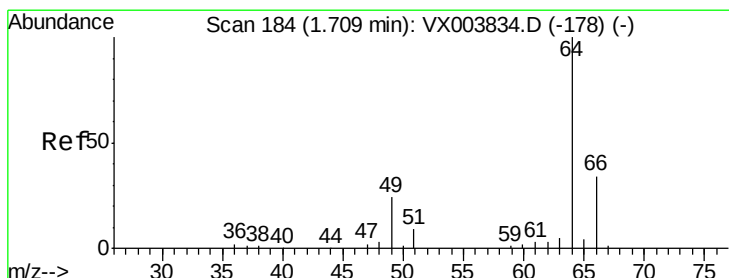
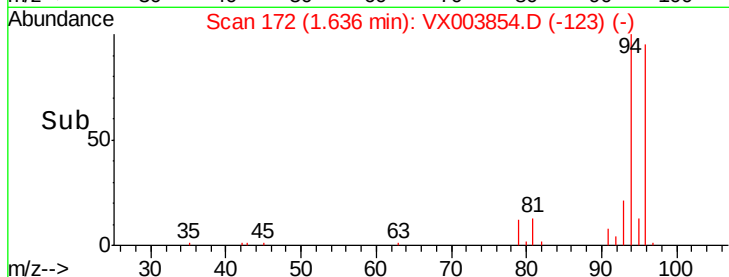
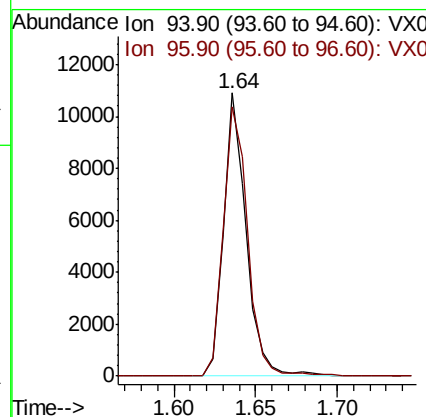
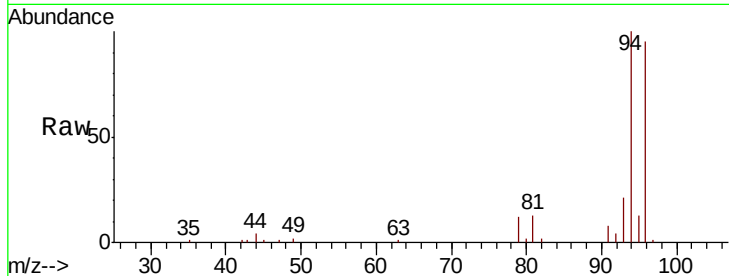
96 94.9 76.9 115.3

Manual Integrations

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#6

Chloroethane

Concen: 12.92 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX003854.D

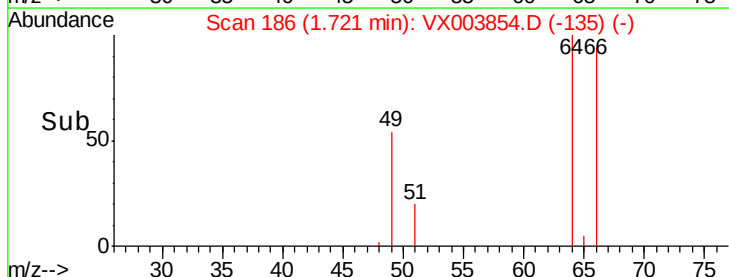
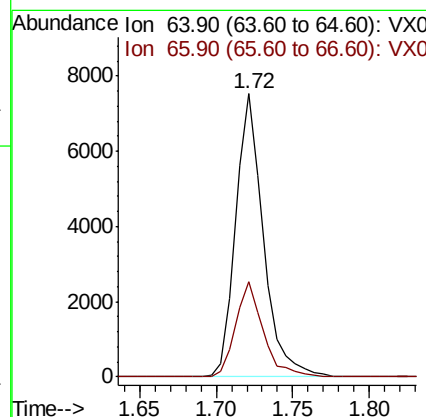
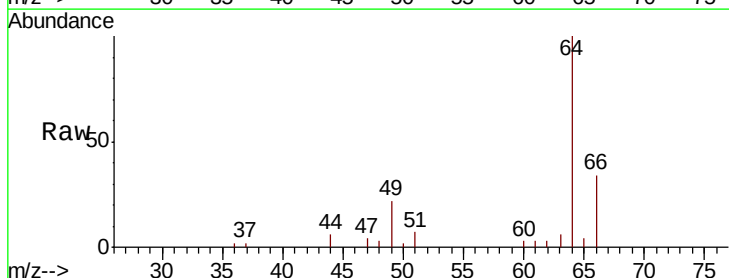
Acq: 03 Aug 2018 17:47

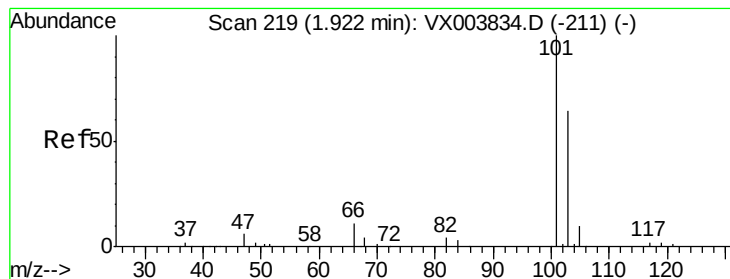
Tgt Ion: 64 Resp: 9433

Ion Ratio Lower Upper

64 100

66 33.5 27.2 40.8





#7

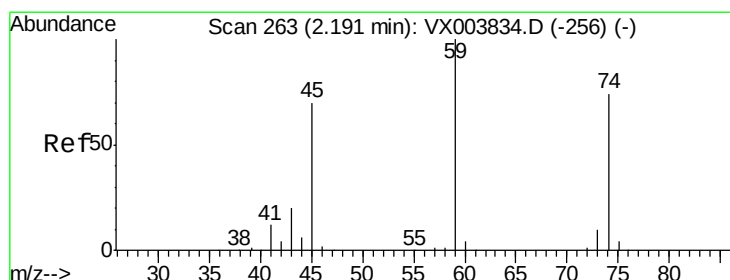
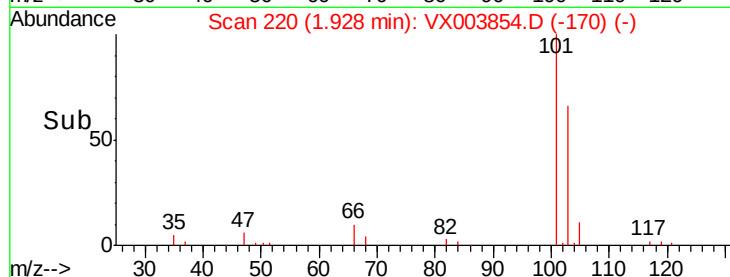
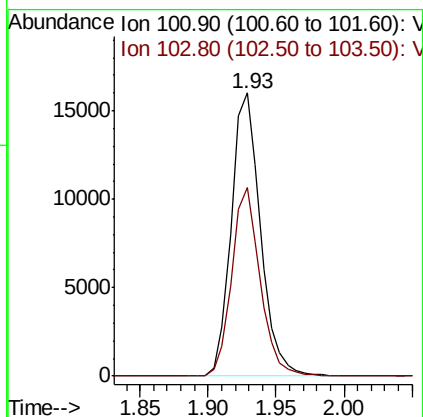
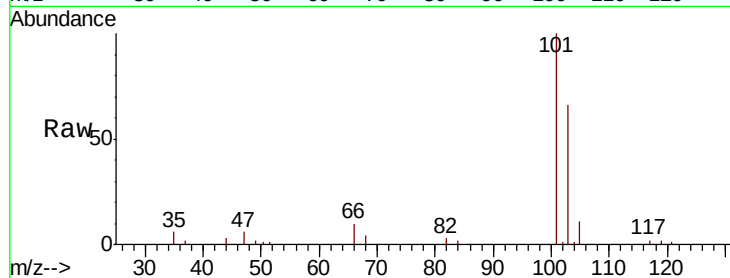
Trichlorofluoromethane
Concen: 15.83 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.01 min
Lab File: VX003854.D
Acq: 03 Aug 2018 17:47

Instrument :
MSVOA_X
ClientSampleId :
VX0805MBS01

Tot Ion:101 Resp: 23927
Ion Ratio Lower Upper
101 100
103 66.5 51.4 77.0

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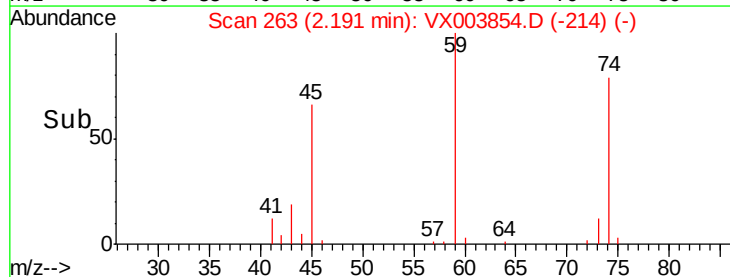
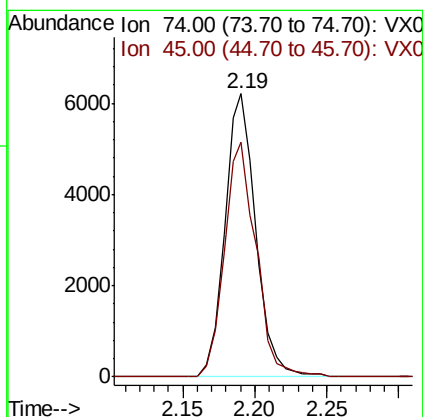
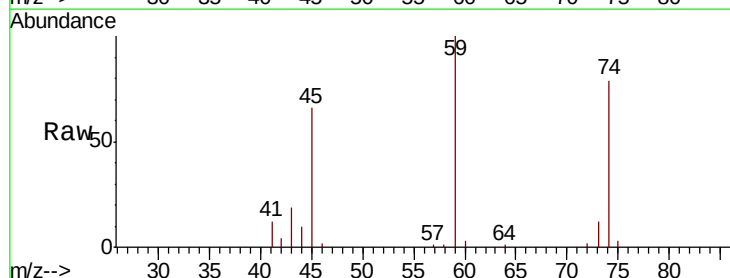
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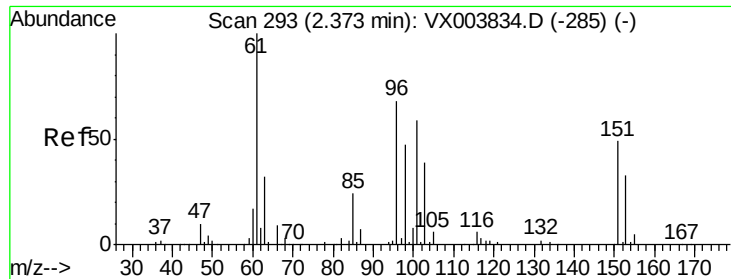


#8

Diethyl Ether
Concen: 13.74 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX003854.D
Acq: 03 Aug 2018 17:47

Tgt Ion: 74 Resp: 9325
Ion Ratio Lower Upper
74 100
45 85.1 48.4 145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.17 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.01 min

Lab File: VX003854.D

Acq: 03 Aug 2018 17:47

Instrument :

MSVOA_X

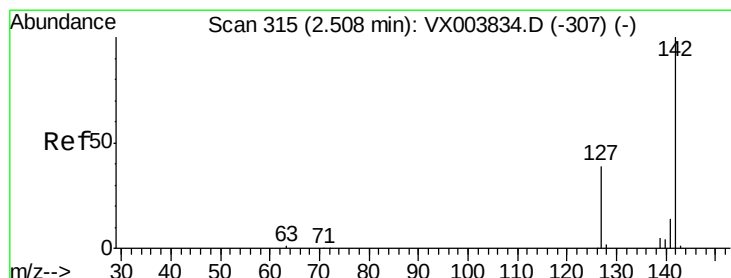
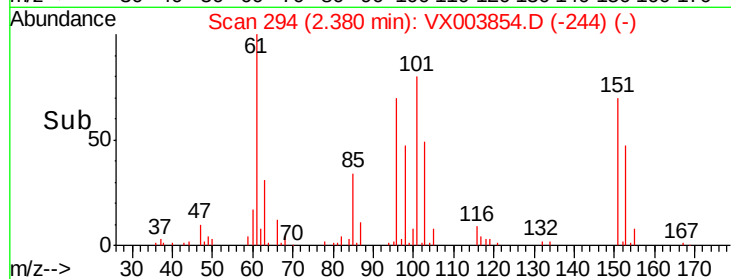
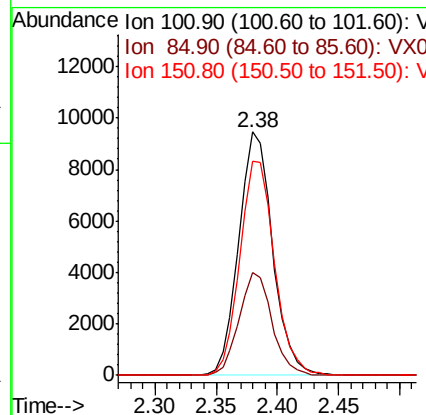
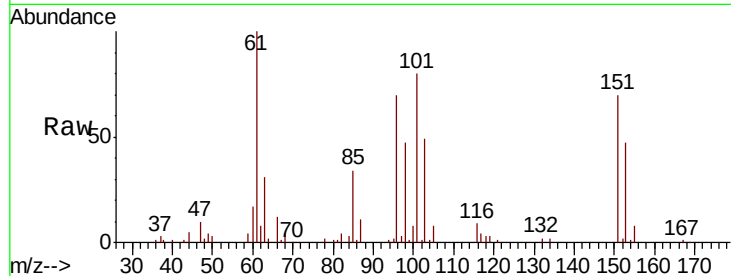
ClientSampleId :

VX0805MBS01

Tot Ion:	101	Resp:	18141
Ion Ratio	Lower	Upper	
101	100		
85	40.8	33.6	50.4
151	90.1	71.0	106.4

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#10

Methyl Iodide

Concen: 18.18 ug/l

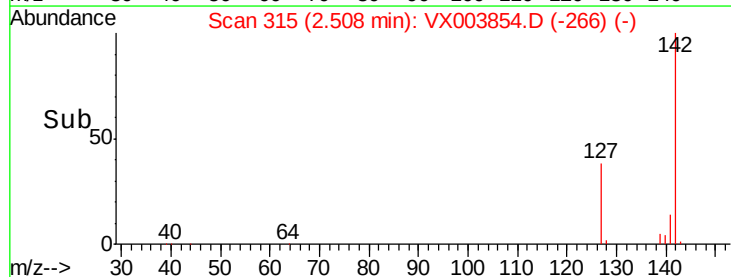
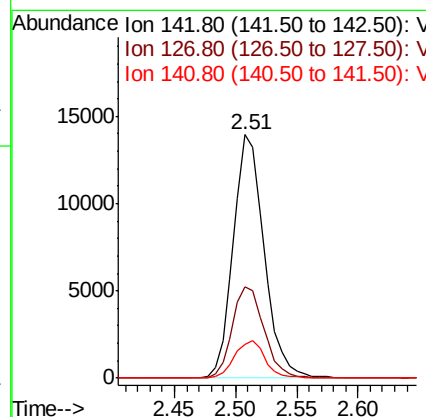
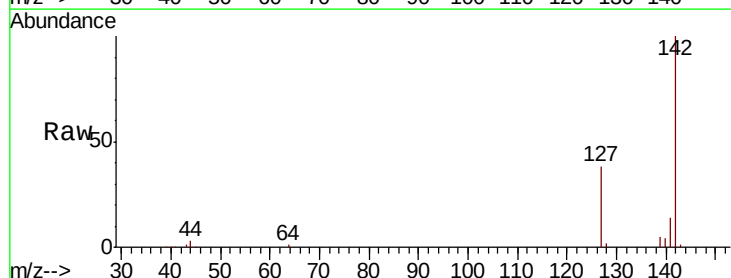
RT: 2.51 min Scan# 315

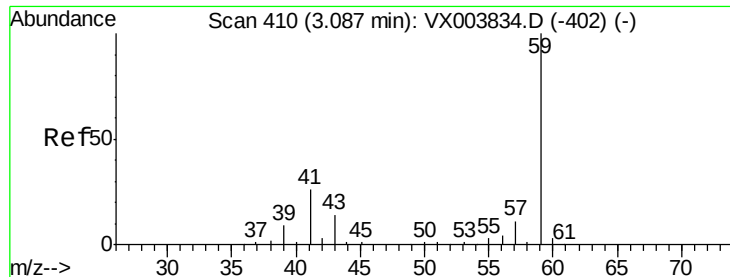
Delta R.T. 0.00 min

Lab File: VX003854.D

Acq: 03 Aug 2018 17:47

Tgt Ion:	142	Resp:	24284
Ion Ratio	Lower	Upper	
142	100		
127	38.6	31.8	47.8
141	15.1	11.3	16.9





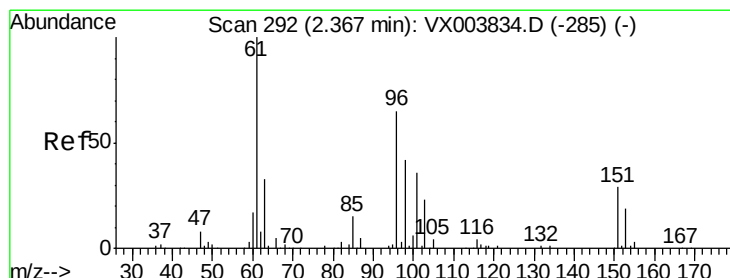
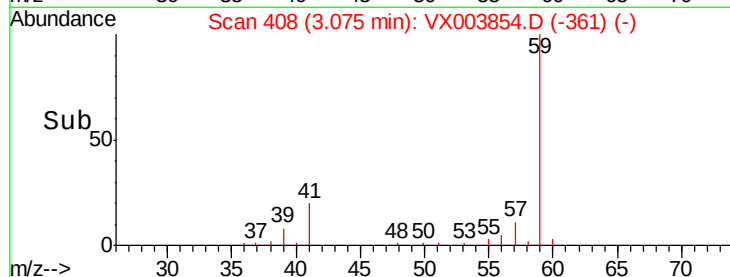
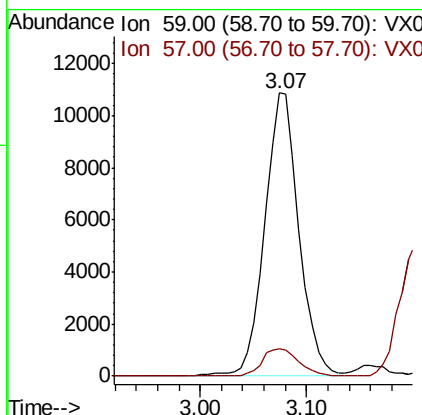
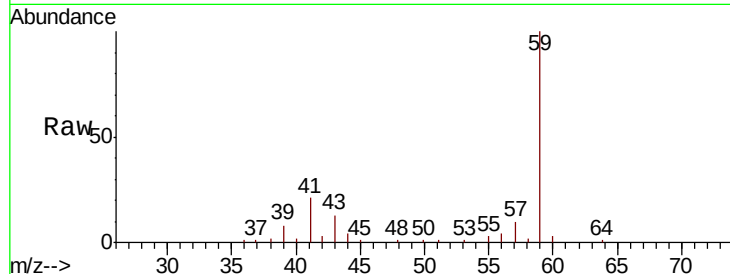
#11
Tert butyl alcohol
Concen: 88.96 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX003854.D
Acq: 03 Aug 2018 17:47

Instrument :
MSVOA_X
ClientSampled :
VX0805MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.4

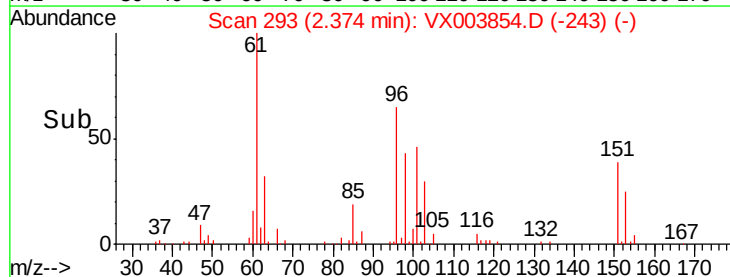
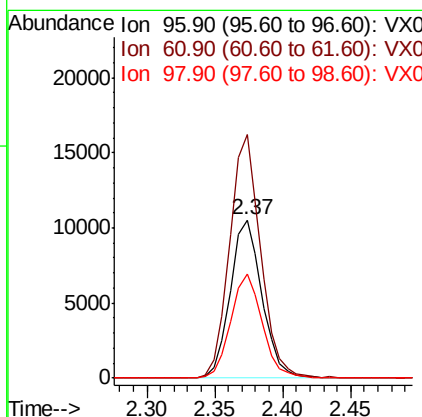
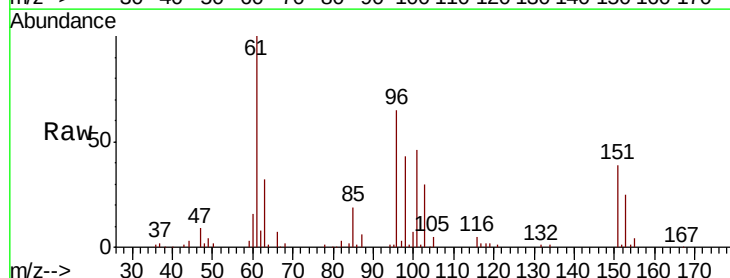
Manual Integrations
APPROVED

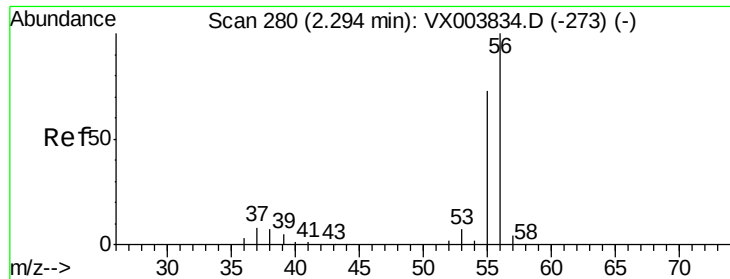
MMDadoda
8/6/2018 10:47:32 AM



#12
1,1-Dichloroethene
Concen: 18.18 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.01 min
Lab File: VX003854.D
Acq: 03 Aug 2018 17:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.2	122.8	184.2
98	66.3	51.8	77.8





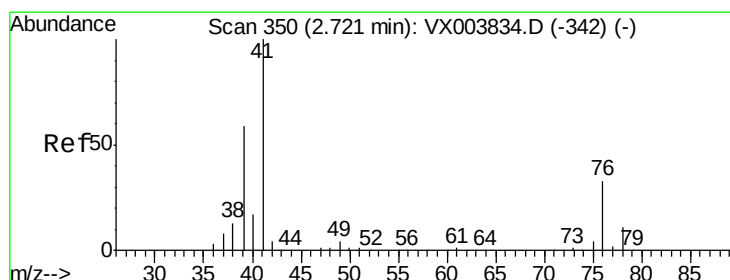
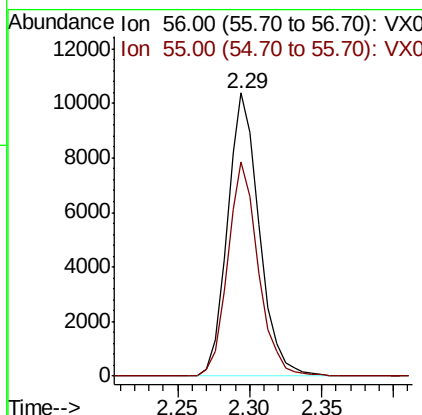
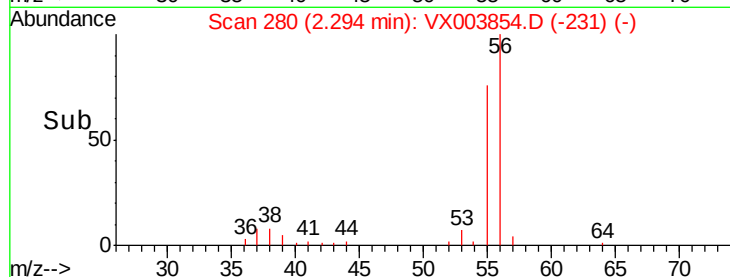
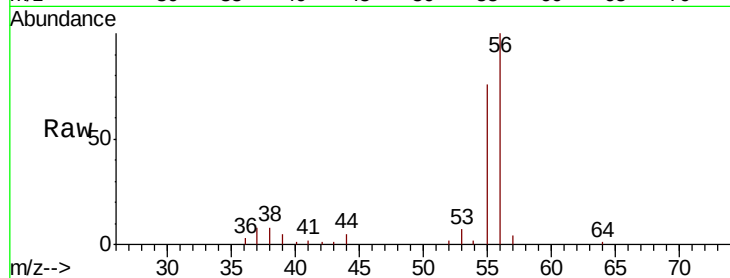
#13
Acrolein
Concen: 70.06 ug/l
RT: 2.29 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX003854.D
Acq: 03 Aug 2018 17:47

Instrument :
MSVOA_X
ClientSampleId :
VX0805MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	73.1	57.7	86.5

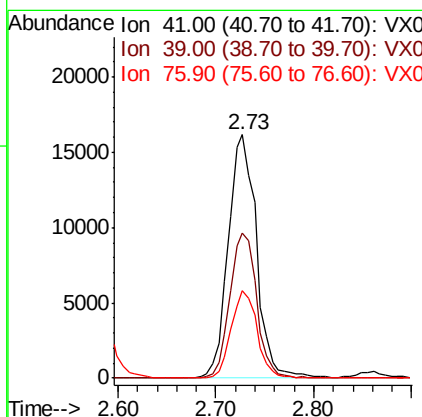
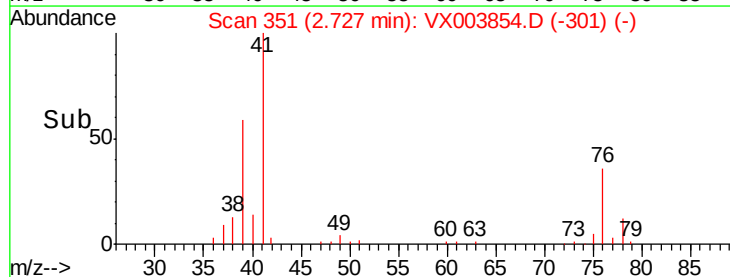
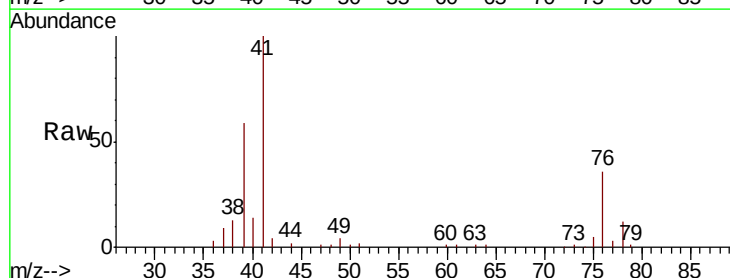
Manual Integrations
APPROVED

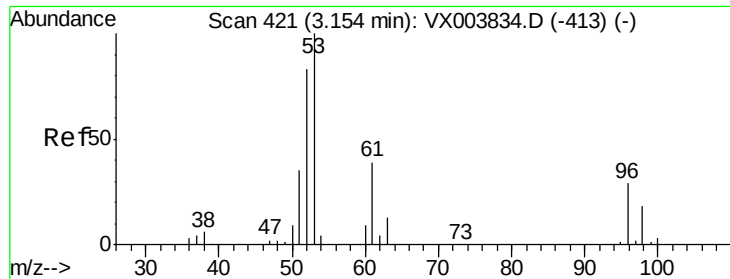
MMDadoda
8/6/2018 10:47:32 AM



#14
Allyl chloride
Concen: 18.43 ug/l
RT: 2.73 min Scan# 351
Delta R.T. 0.01 min
Lab File: VX003854.D
Acq: 03 Aug 2018 17:47

Tgt Ion	Ratio	Lower	Upper
41	100		
39	56.7	46.1	69.1
76	32.9	26.8	40.2





#15

Acrylonitrile

Concen: 85.59 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003854.D

Acq: 03 Aug 2018 17:47

Instrument :

MSVOA_X

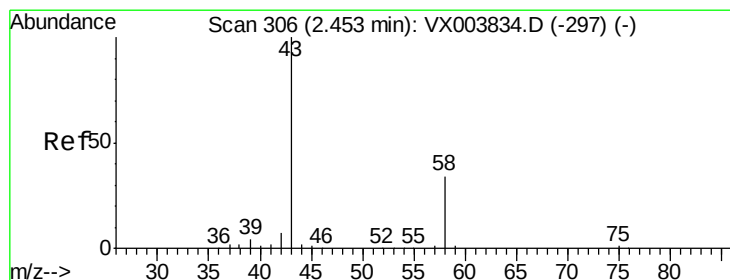
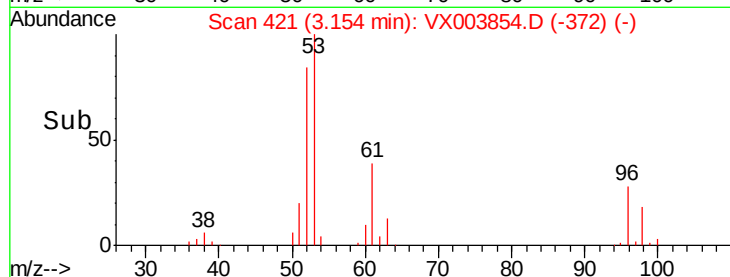
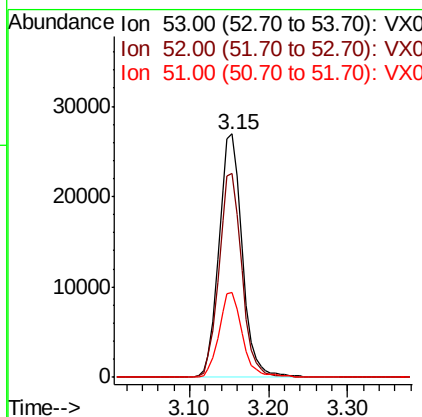
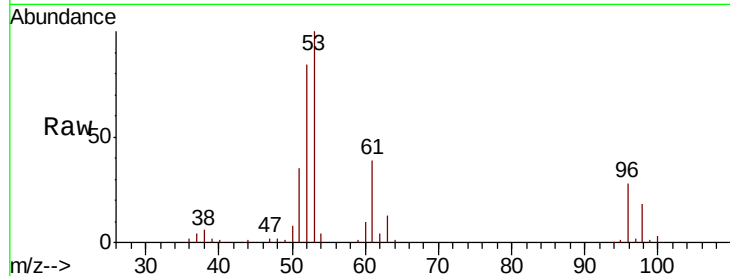
ClientSampleId :

VX0805MBS01

Tot Ion:	53	Resp:	55412
Ion Ratio	Lower	Upper	
53	100		
52	82.1	65.9	98.9
51	35.0	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 83.65 ug/l

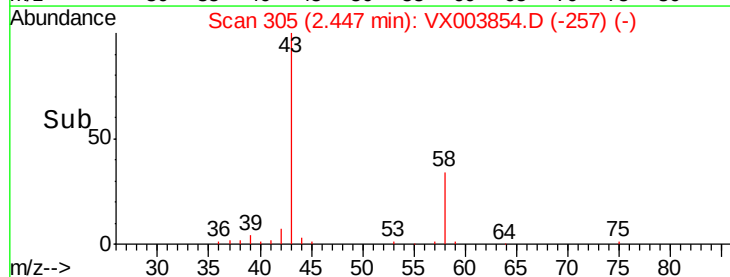
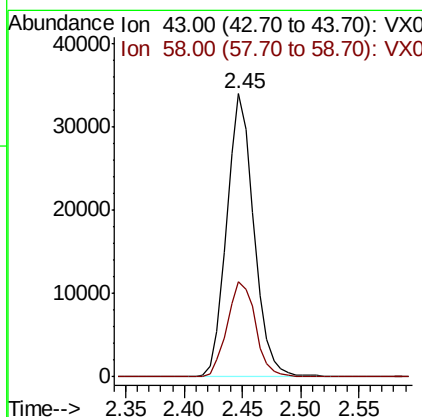
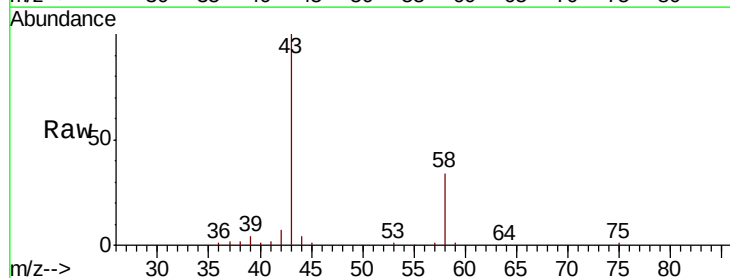
RT: 2.45 min Scan# 305

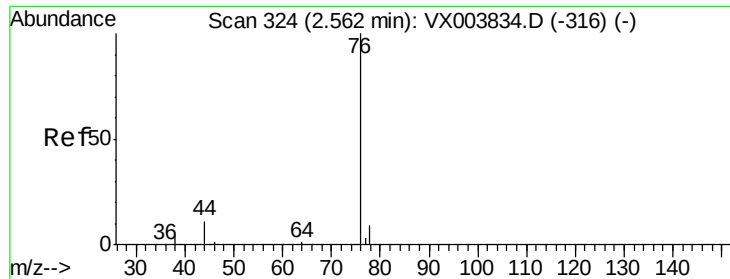
Delta R.T. -0.01 min

Lab File: VX003854.D

Acq: 03 Aug 2018 17:47

Tgt Ion:	43	Resp:	55293
Ion Ratio	Lower	Upper	
43	100		
58	33.6	27.0	40.4





#17

Carbon Disulfide

Concen: 17.31 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.01 min

Lab File: VX003854.D

Acq: 03 Aug 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

VX0805MBS01

Tot Ion: 76 Resp: 45928

Ion Ratio Lower Upper

76 100

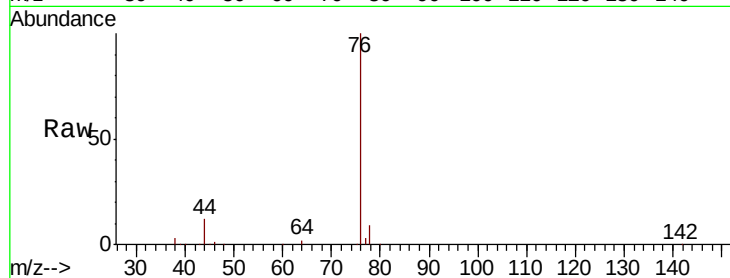
78 9.4 7.4 11.0

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

30000

25000

20000

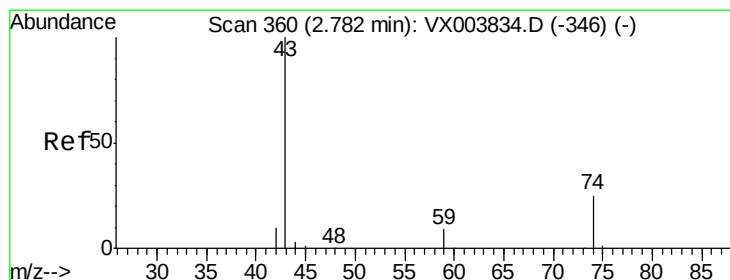
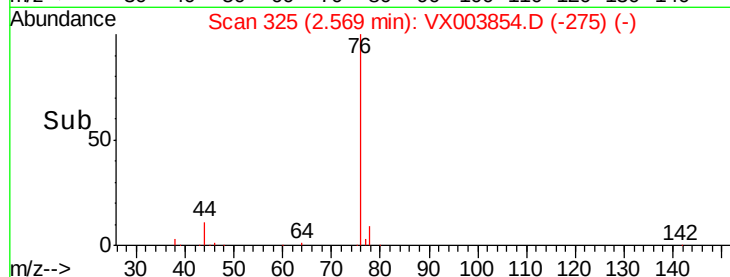
15000

10000

5000

0

Time-->



#18

Methyl Acetate

Concen: 17.33 ug/l

RT: 2.78 min Scan# 359

Delta R.T. -0.01 min

Lab File: VX003854.D

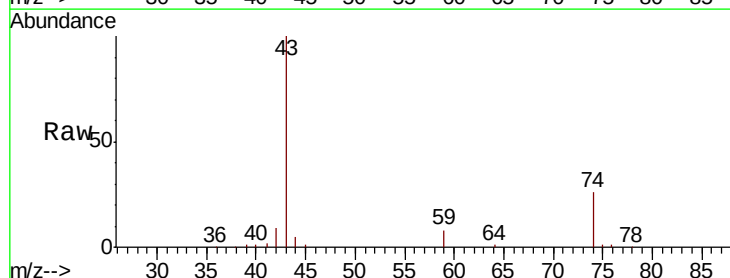
Acq: 03 Aug 2018 17:47

Tgt Ion: 43 Resp: 26447

Ion Ratio Lower Upper

43 100

74 25.0 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

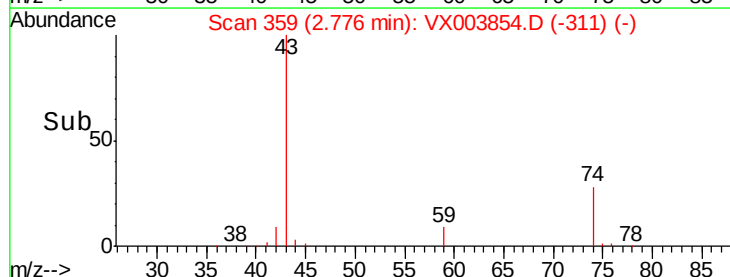
15000

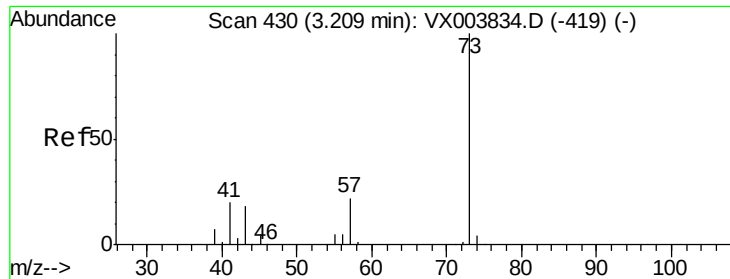
10000

5000

0

Time-->





#19

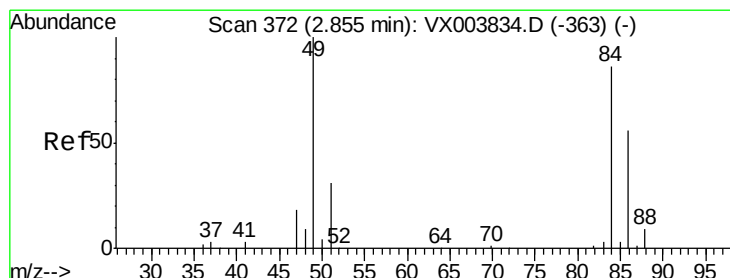
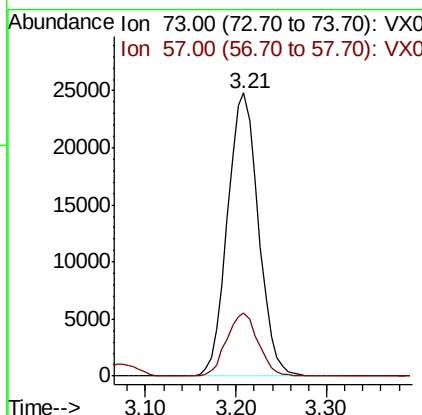
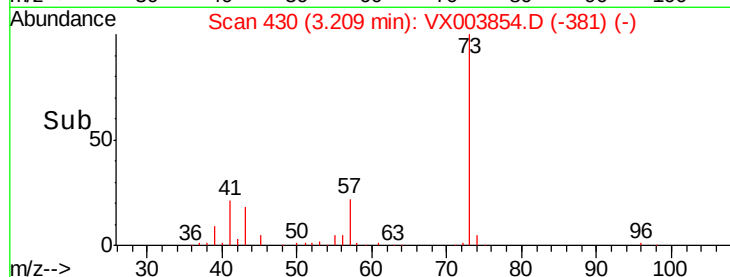
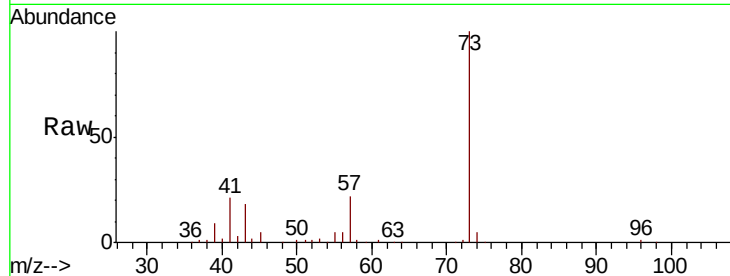
Methyl tert-butyl Ether
 Concen: 17.69 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. 0.00 min
 Lab File: VX003854.D
 Acq: 03 Aug 2018 17:47

Instrument :
 MSVOA_X
 ClientSampled :
 VX0805MBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.5	26.3

Manual Integrations
 APPROVED

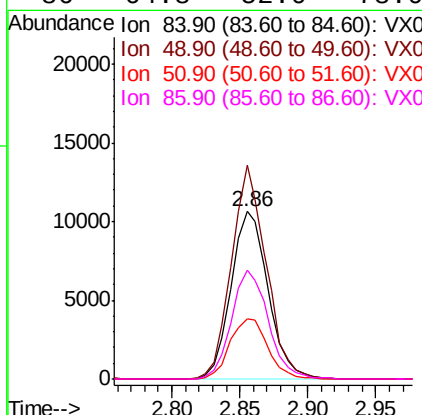
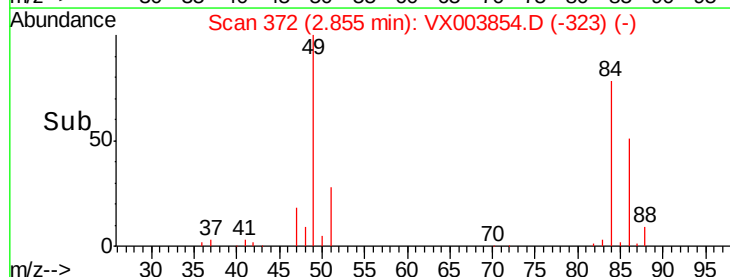
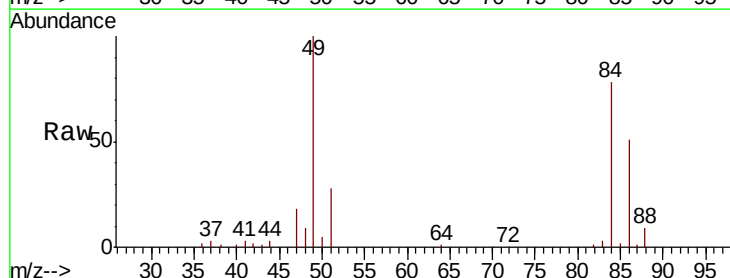
MMDadoda
 8/6/2018 10:47:32 AM

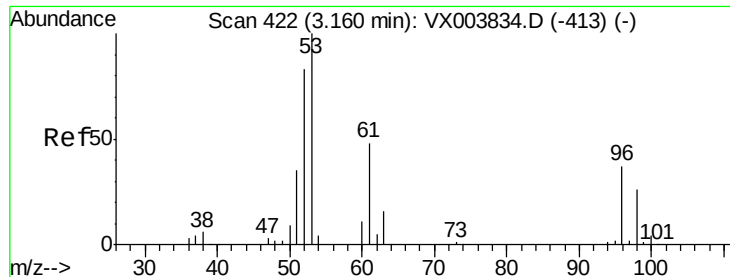


#20

Methylene Chloride
 Concen: 17.39 ug/l
 RT: 2.86 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VX003854.D
 Acq: 03 Aug 2018 17:47

Tgt Ion	Ratio	Lower	Upper
84	100		
49	127.4	93.2	139.8
51	36.0	29.2	43.8
86	64.8	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 17.98 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.00 min

Lab File: VX003854.D

Acq: 03 Aug 2018 17:47

Instrument :

MSVOA_X

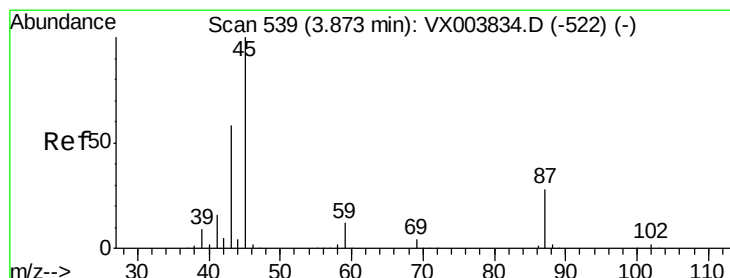
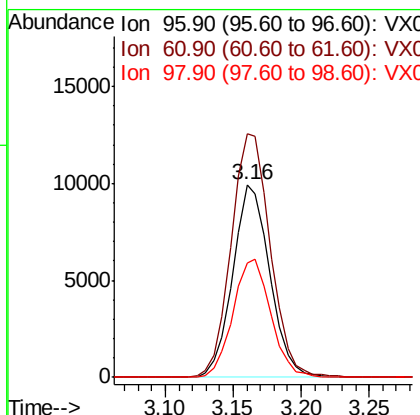
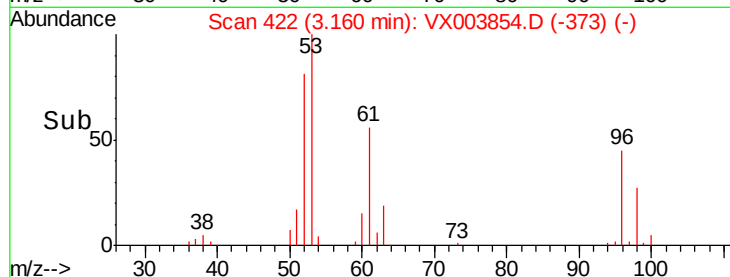
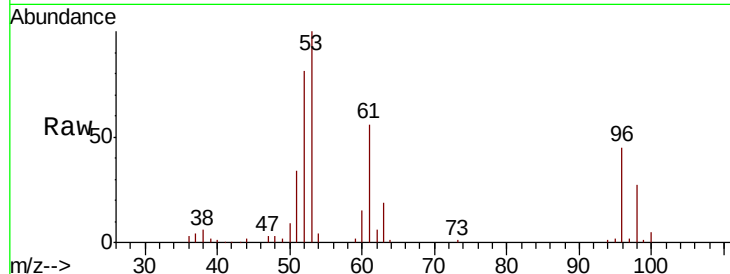
ClientSampleId :

VX0805MBS01

Tot Ion:	96	Resp:	18843
Ion	Ratio	Lower	Upper
96	100		
61	126.4	104.2	156.4
98	59.5	57.0	85.6

Manual Integrations
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8/6/2018 10:47:32 AM



#22

Diisopropyl ether

Concen: 21.18 ug/l

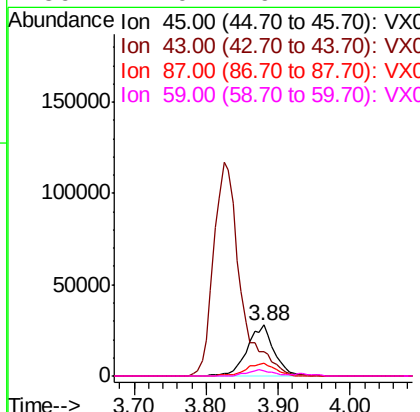
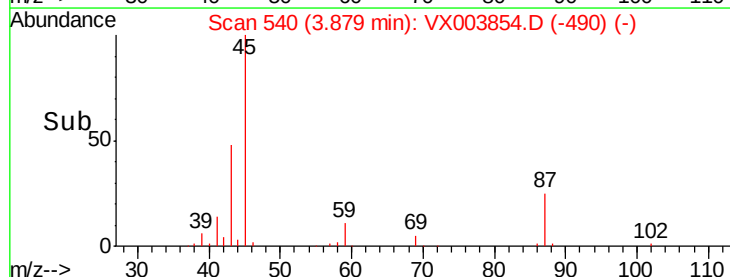
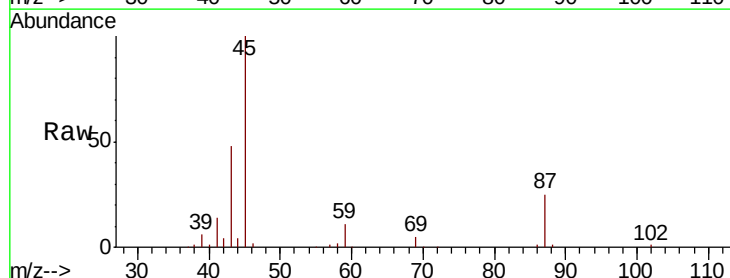
RT: 3.88 min Scan# 540

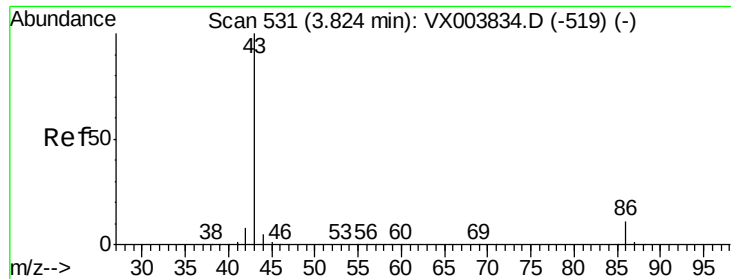
Delta R.T. 0.01 min

Lab File: VX003854.D

Acq: 03 Aug 2018 17:47

Tgt Ion:	45	Resp:	72128
Ion	Ratio	Lower	Upper
45	100		
43	47.8	46.4	69.6
87	24.9	22.4	33.6
59	11.0	9.4	14.2





#23

Vinyl Acetate

Concen: 106.48 ug/l

RT: 3.82 min Scan# 531

Delta R.T. 0.00 min

Lab File: VX003854.D

Acq: 03 Aug 2018 17:47

Instrument :

MSVOA_X

ClientSampled :

VX0805MBS01

Tot Ion: 43 Resp: 301374

Ion Ratio Lower Upper

43 100

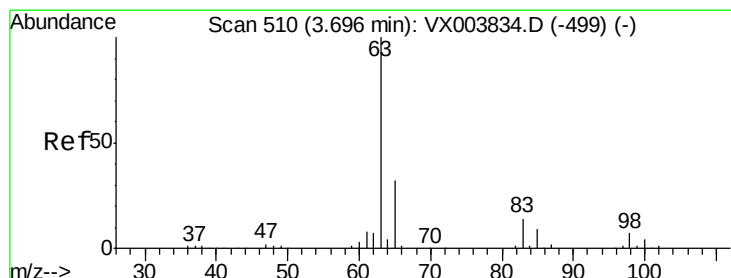
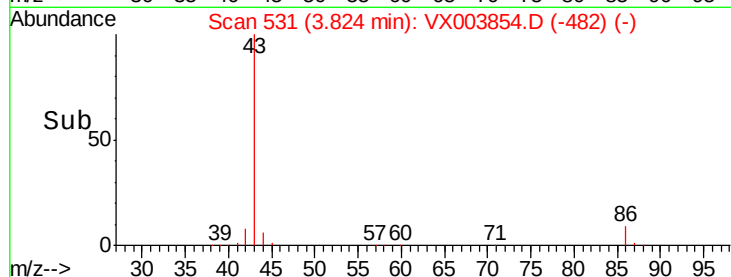
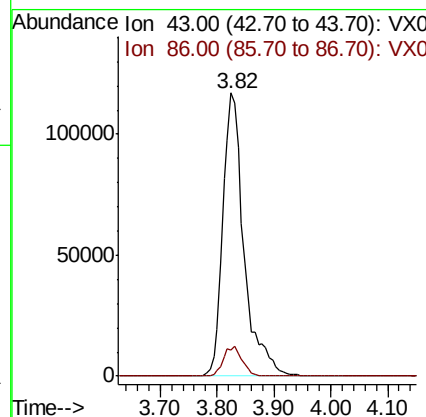
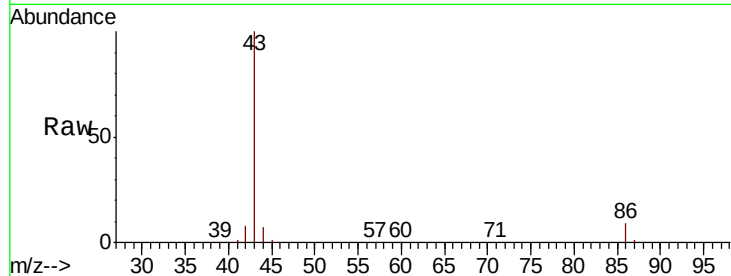
86 9.3 8.8 13.2

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 18.33 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003854.D

Acq: 03 Aug 2018 17:47

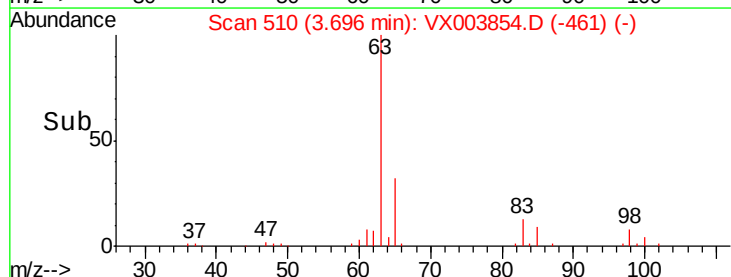
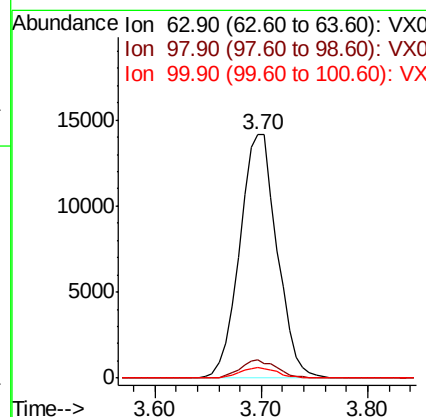
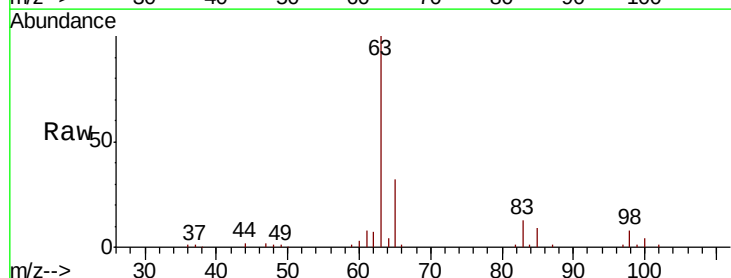
Tgt Ion: 63 Resp: 34900

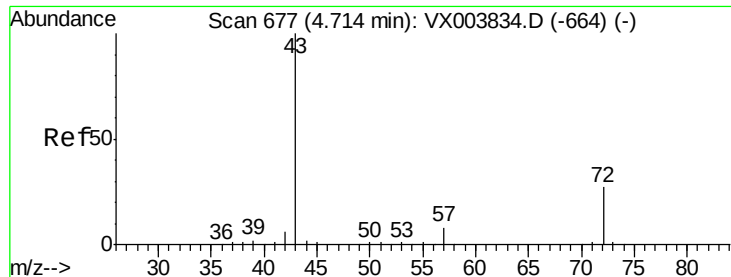
Ion Ratio Lower Upper

63 100

98 7.6 3.3 9.9

100 4.3 2.3 6.8





#25

2-Butanone

Concen: 88.15 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX003854.D

Acq: 03 Aug 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

VX0805MBS01

Tot Ion: 43 Resp: 99005

Ion Ratio Lower Upper

43 100

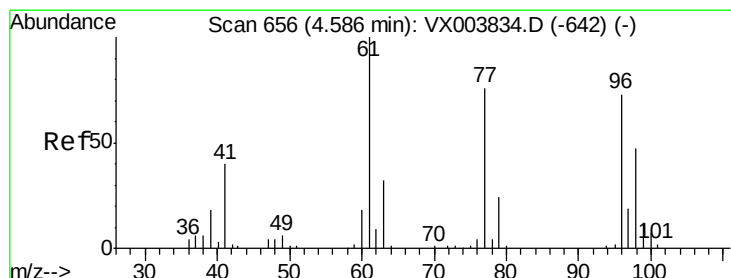
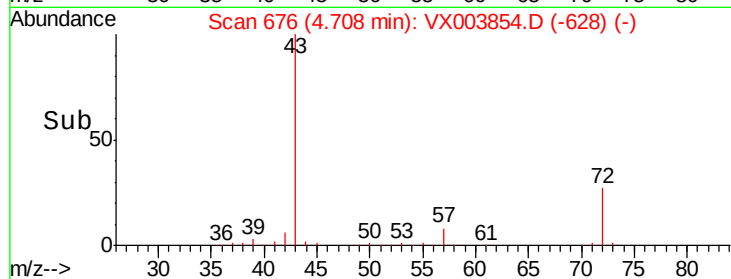
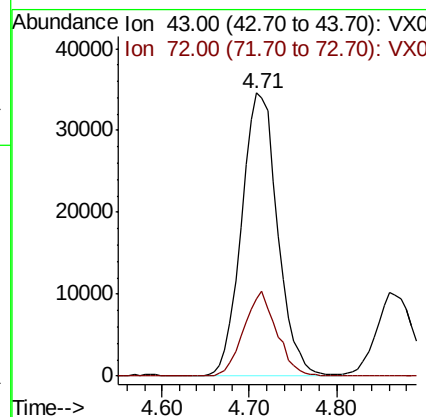
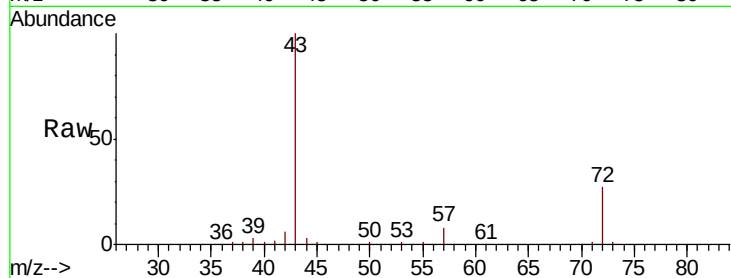
72 27.2 21.5 32.3

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 19.94 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX003854.D

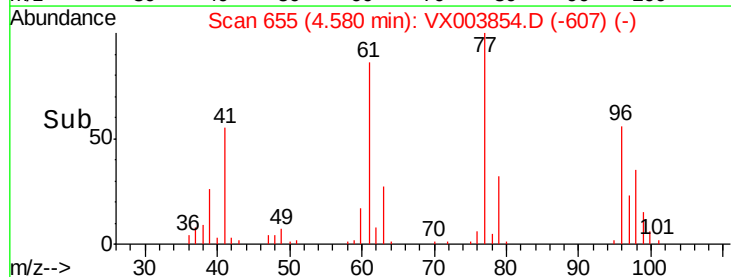
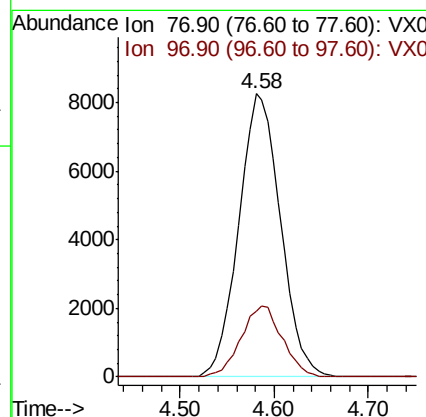
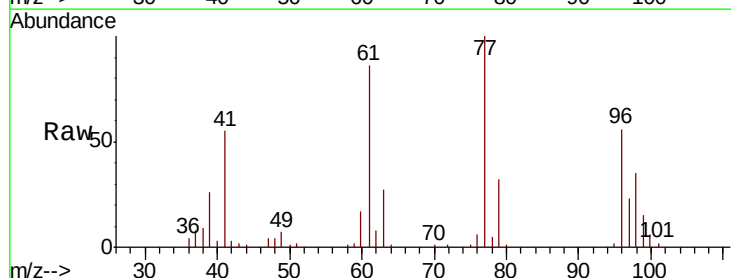
Acq: 03 Aug 2018 17:47

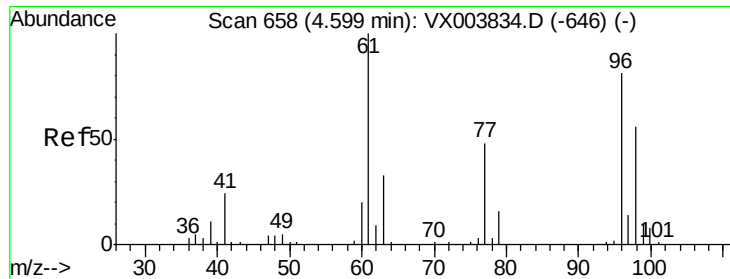
Tgt Ion: 77 Resp: 25573

Ion Ratio Lower Upper

77 100

97 24.8 12.8 38.3





#27

cis-1,2-Dichloroethene

Concen: 18.35 ug/l

RT: 4.60 min Scan# 658

Delta R.T. 0.00 min

Lab File: VX003854.D

Acq: 03 Aug 2018 17:47

Instrument :

MSVOA_X

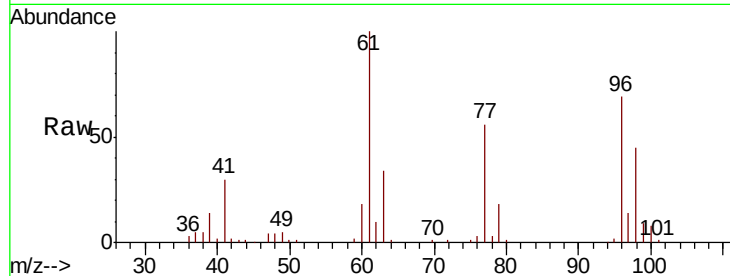
ClientSampleId :

VX0805MBS01

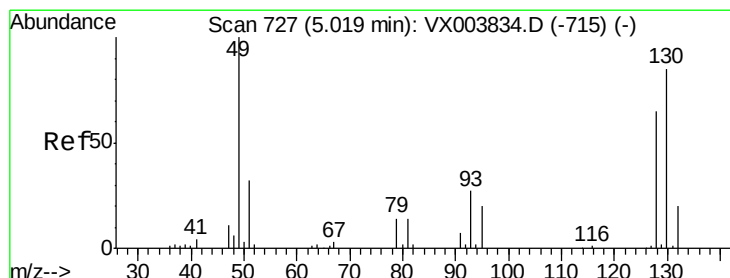
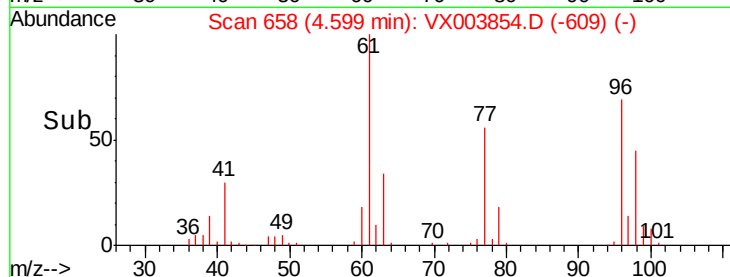
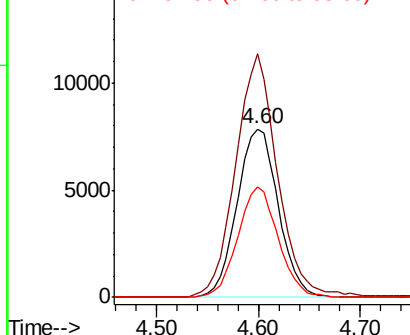
Tot Ion:	96	Resp:	22083
Ion	Ratio	Lower	Upper
96	100		
61	147.7	0.0	283.6
98	64.0	0.0	130.0

Manual Integrations
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8/6/2018 10:47:32 AM



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



#28

Bromochloromethane

Concen: 19.37 ug/l

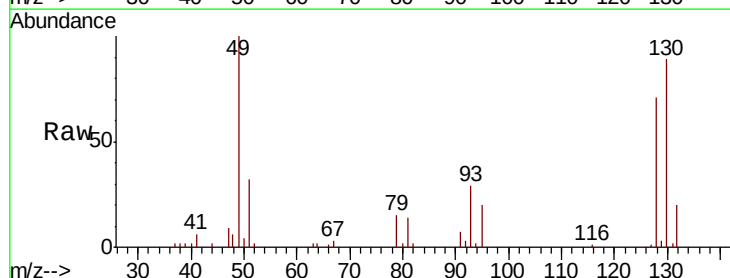
RT: 5.02 min Scan# 727

Delta R.T. 0.00 min

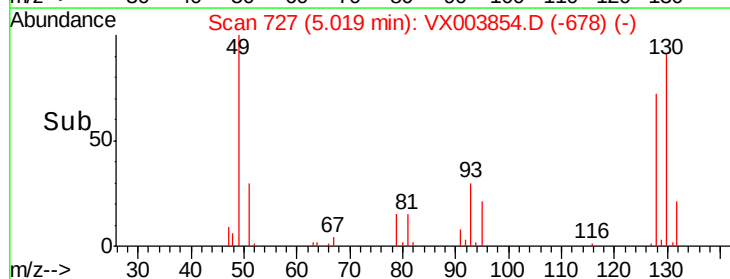
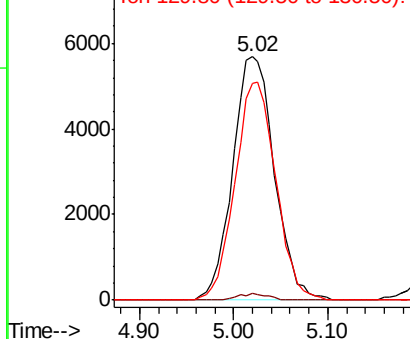
Lab File: VX003854.D

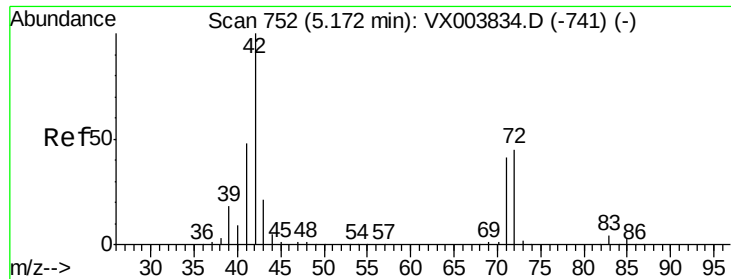
Acq: 03 Aug 2018 17:47

Tgt Ion:	49	Resp:	17583
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.2
130	87.6	68.9	103.3



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





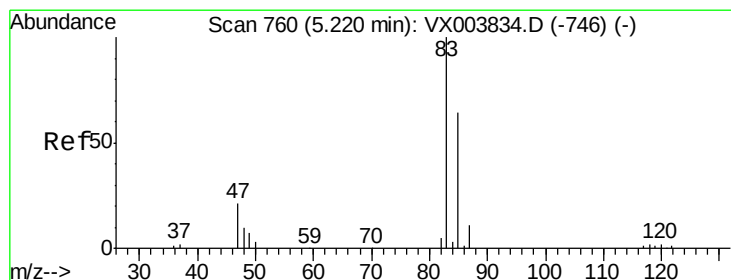
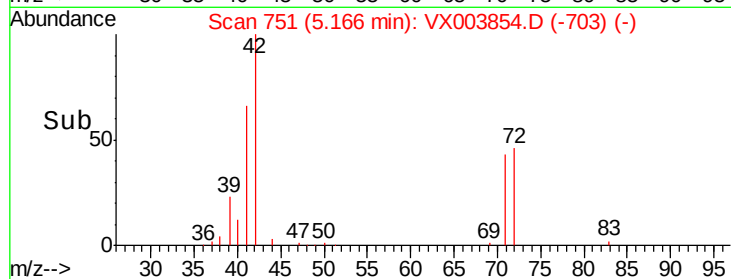
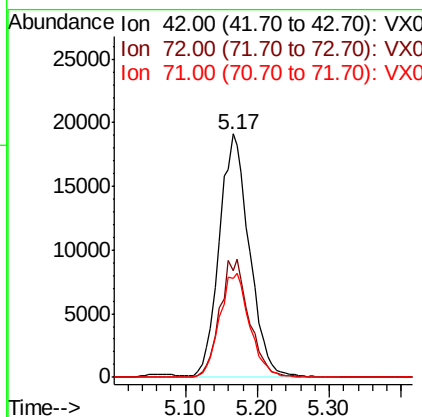
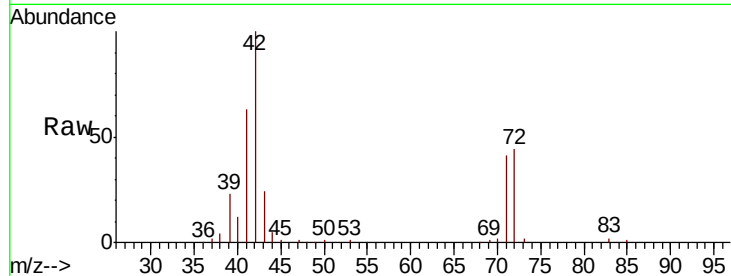
#29
Tetrahydrofuran
Concen: 96.82 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.01 min
Lab File: VX003854.D
Acq: 03 Aug 2018 17:47

Instrument :
MSVOA_X
ClientSampleId :
VX0805MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.1	36.1	54.1
71	42.6	33.6	50.4

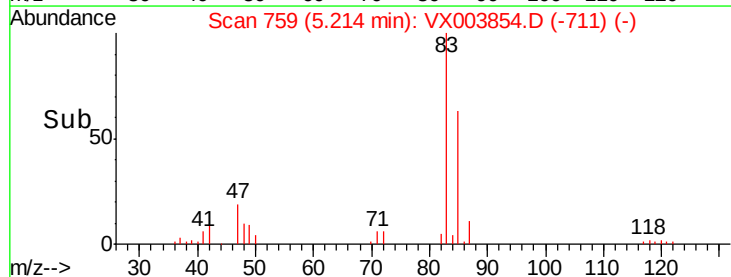
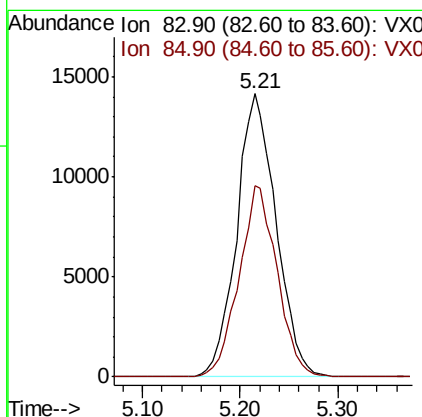
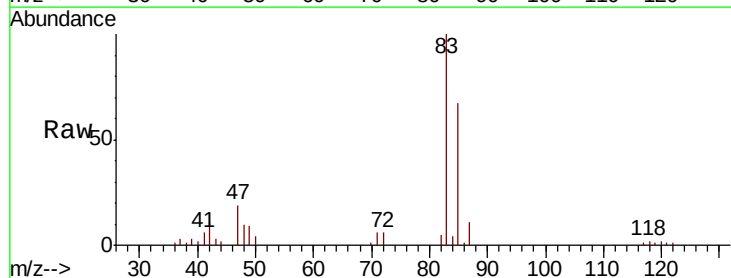
Manual Integrations
APPROVED

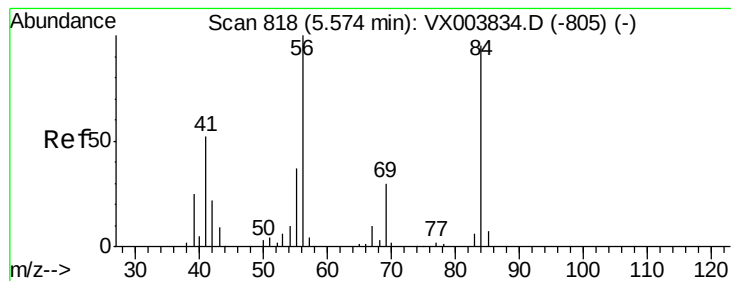
MMDadoda
8/6/2018 10:47:32 AM



#30
Chloroform
Concen: 19.81 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX003854.D
Acq: 03 Aug 2018 17:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.3	51.5	77.3





#31

Cyclohexane

Concen: 20.01 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX003854.D

Acq: 03 Aug 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

VX0805MBS01

Tot Ion: 56 Resp: 31946

Ion Ratio Lower Upper

56 100

69 28.1 23.7 35.5

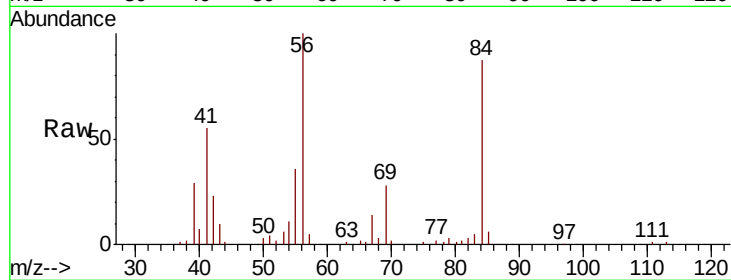
84 85.4 75.7 113.5

Manual Integrations

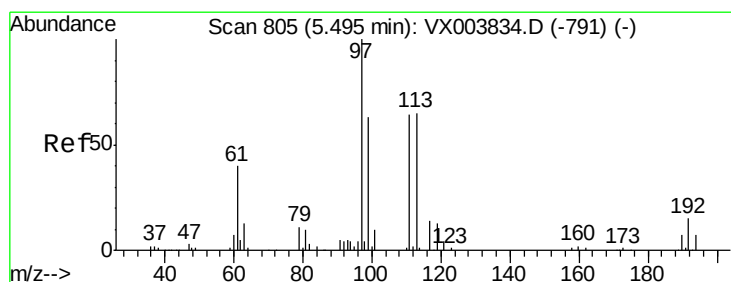
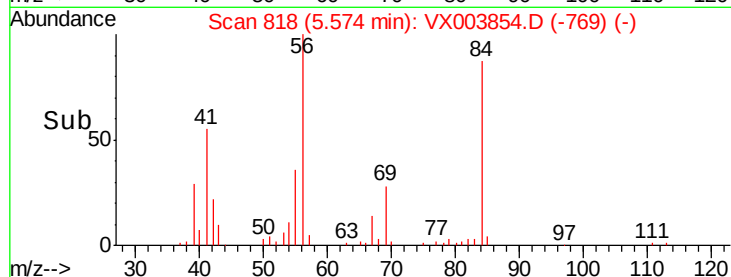
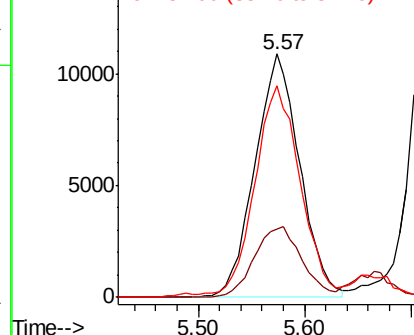
APPROVED

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8/6/2018 10:47:32 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 19.79 ug/l

RT: 5.50 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX003854.D

Acq: 03 Aug 2018 17:47

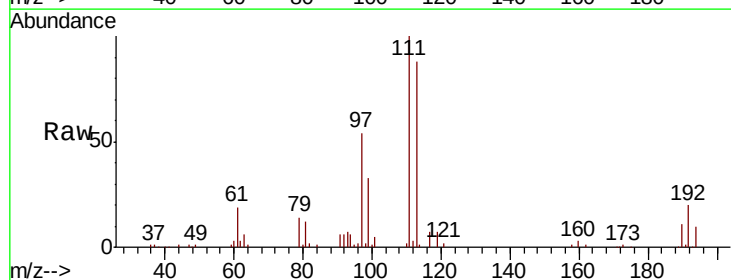
Tgt Ion: 97 Resp: 32363

Ion Ratio Lower Upper

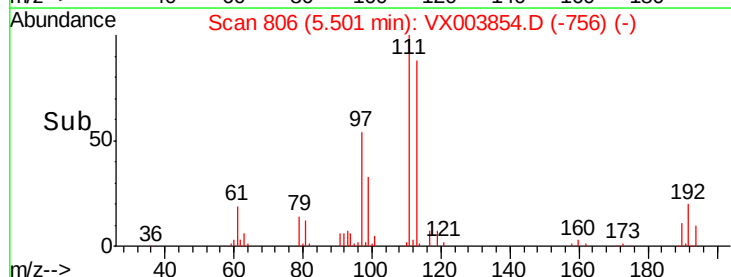
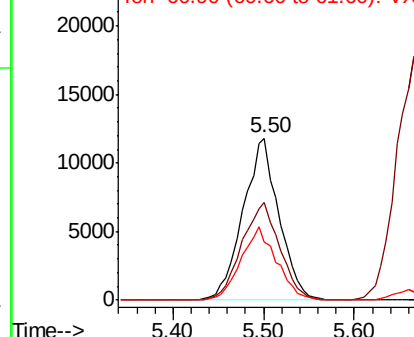
97 100

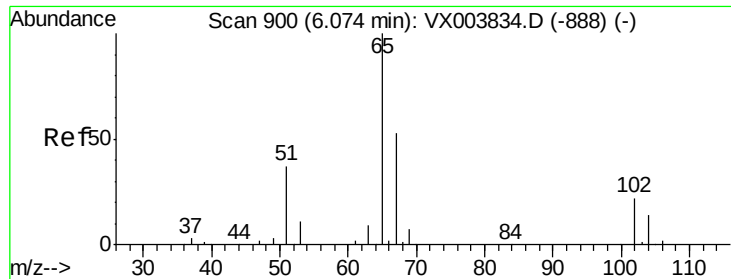
99 63.4 51.8 77.6

61 44.9 33.3 49.9



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0





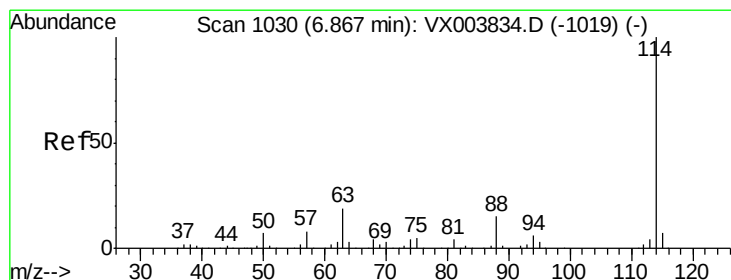
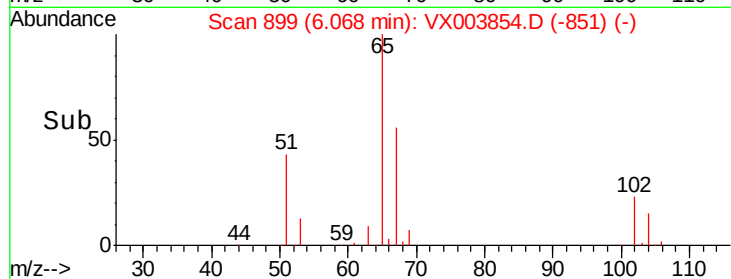
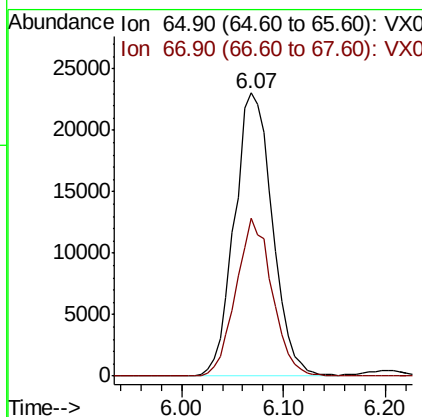
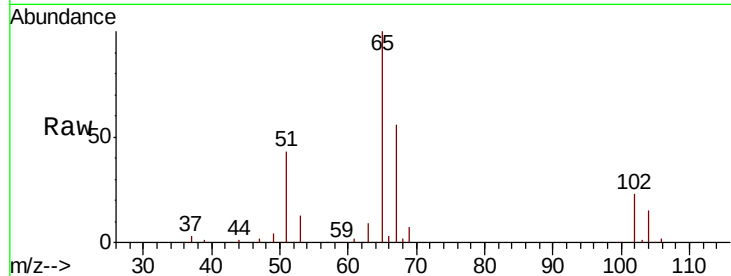
#33
 1,2-Dichloroethane-d4
 Concen: 47.45 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VX003854.D
 Acq: 03 Aug 2018 17:47

Instrument :
 MSVOA_X
 ClientSampled :
 VX0805MBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	107.2

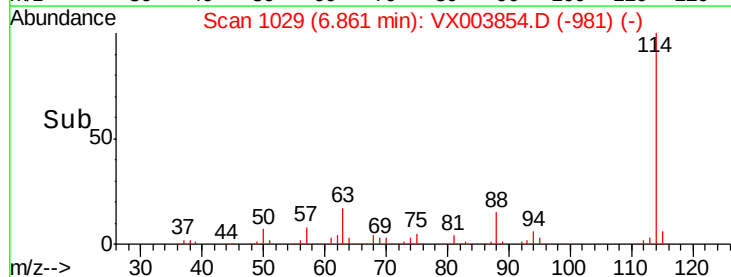
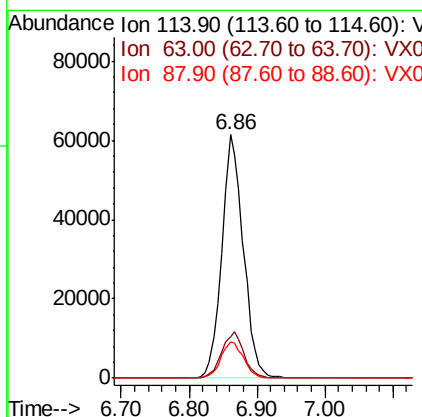
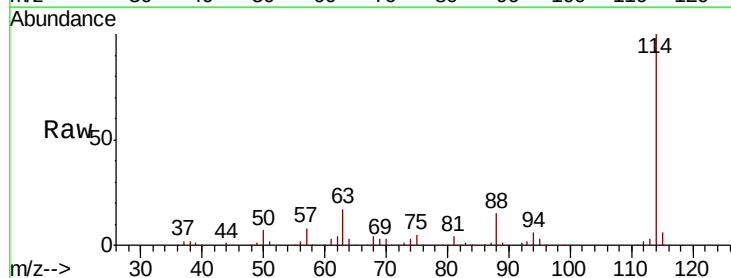
Manual Integrations
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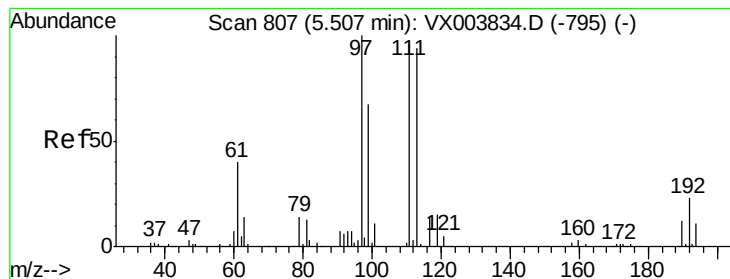
MMDadoda
 8/6/2018 10:47:32 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX003854.D
 Acq: 03 Aug 2018 17:47

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.2	0.0	38.2
88	14.9	0.0	29.6





#35

Dibromofluoromethane

Concen: 49.82 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX003854.D

Acq: 03 Aug 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

VX0805MBS01

Tot Ion:113 Resp: 52448

Ion Ratio Lower Upper

113 100

111 107.7 81.1 121.7

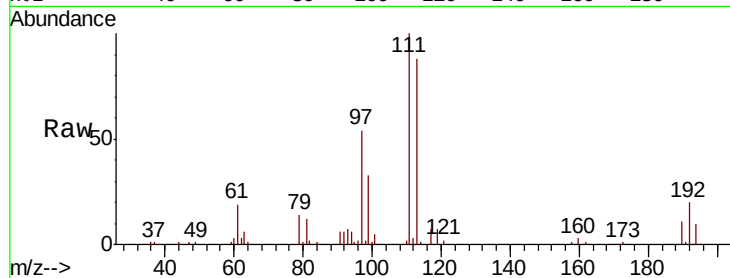
192 23.9 19.7 29.5

Manual Integrations

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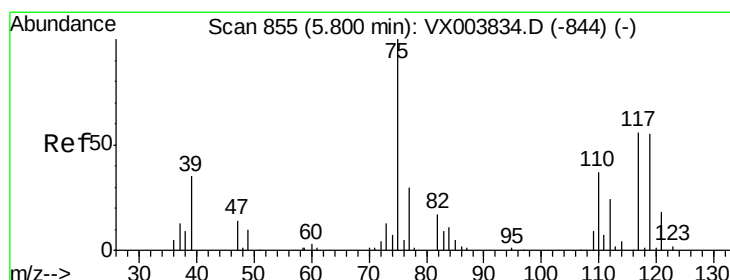
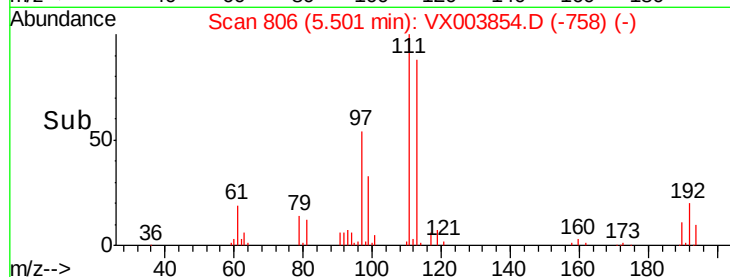
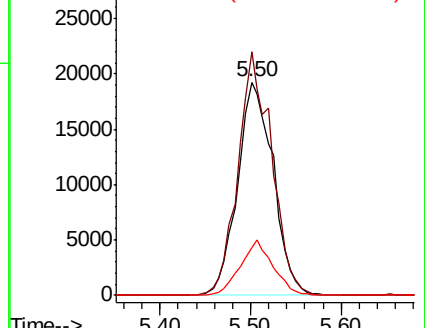
8/6/2018 10:47:32 AM



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.53 ug/l

RT: 5.80 min Scan# 855

Delta R.T. 0.00 min

Lab File: VX003854.D

Acq: 03 Aug 2018 17:47

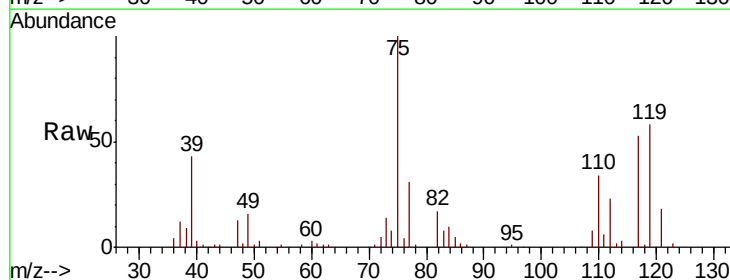
Tgt Ion: 75 Resp: 29280

Ion Ratio Lower Upper

75 100

110 36.4 18.6 55.8

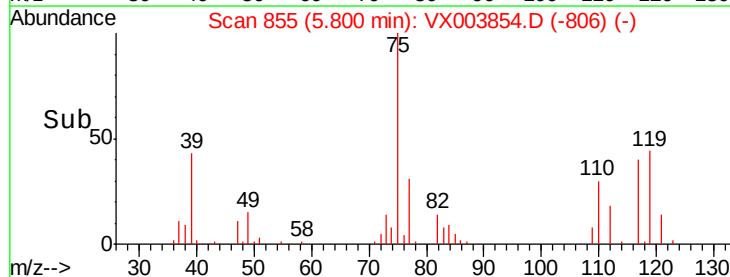
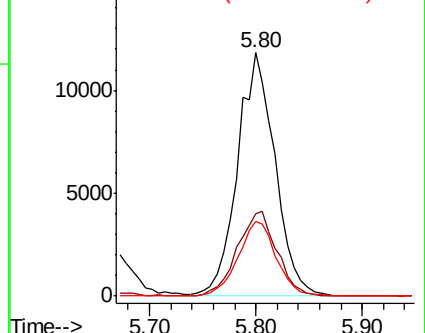
77 31.2 24.9 37.3

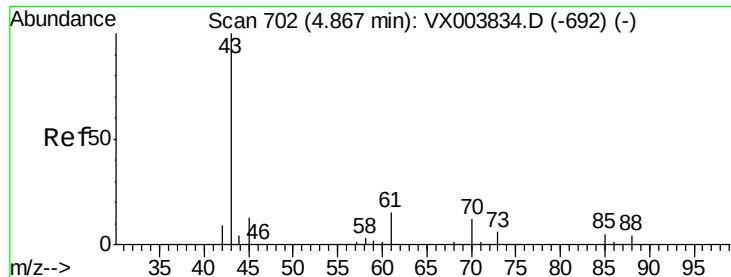


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





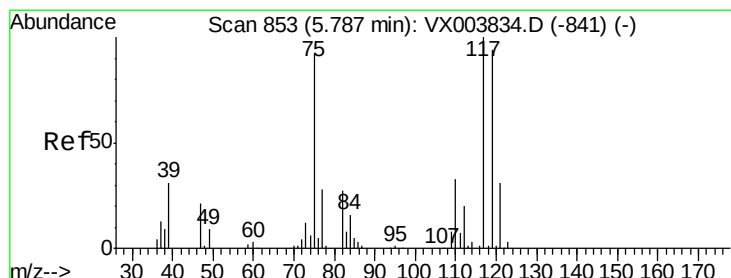
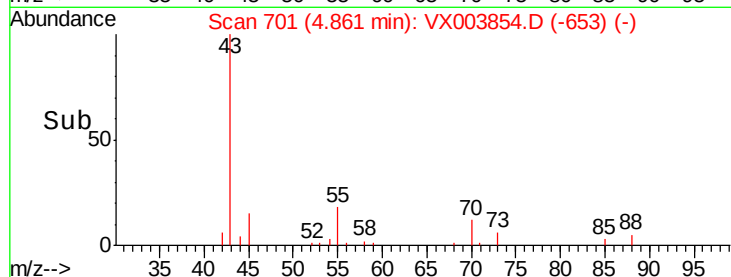
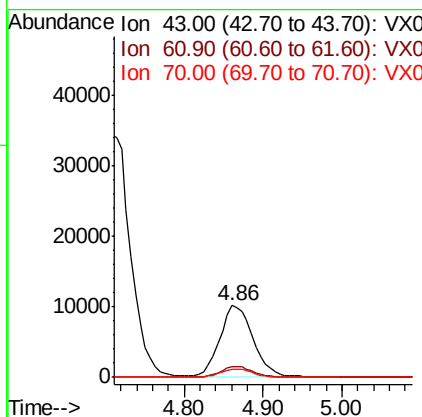
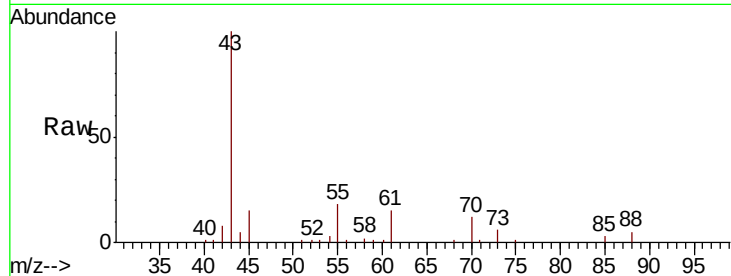
#37
Ethyl Acetate
Concen: 18.20 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.01 min
Lab File: VX003854.D
Acq: 03 Aug 2018 17:47

Instrument :
MSVOA_X
ClientSampled :
VX0805MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	12.4	18.6
70	11.0	8.9	13.3

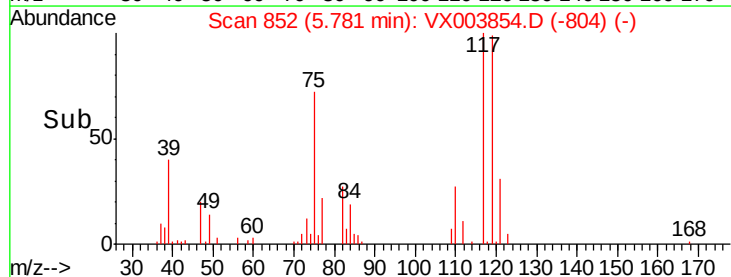
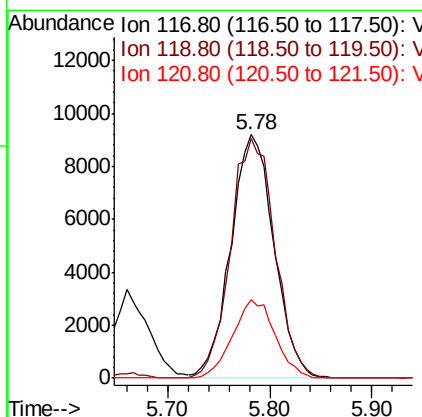
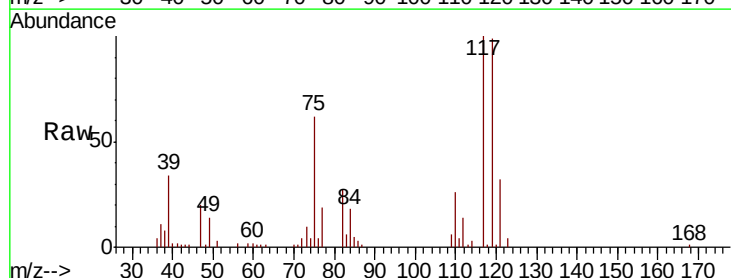
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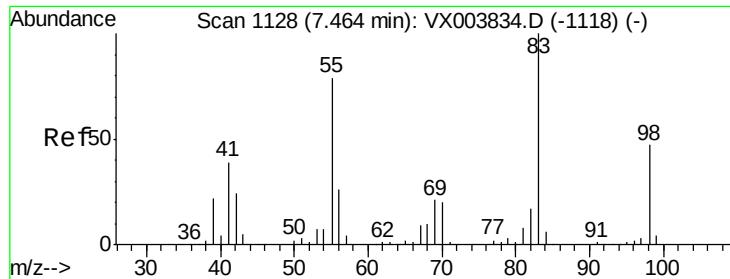
MMDadoda
8/6/2018 10:47:32 AM



#38
Carbon Tetrachloride
Concen: 19.12 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX003854.D
Acq: 03 Aug 2018 17:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.5	74.6	112.0
121	32.1	24.4	36.6





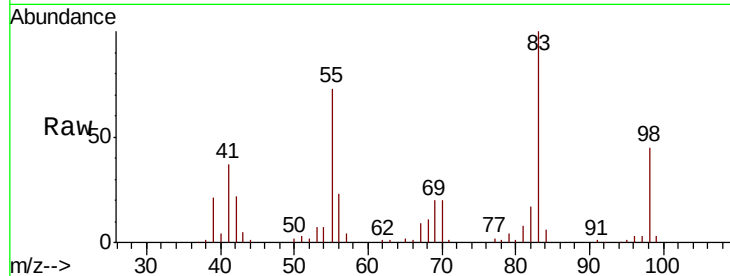
#39
Methylvlcyclohexane
Concen: 20.50 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003854.D
Acq: 03 Aug 2018 17:47

Instrument :
MSVOA_X
ClientSampleId :
VX0805MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.3	63.1	94.7
98	45.4	37.5	56.3

Manual Integrations
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8/6/2018 10:47:32 AM

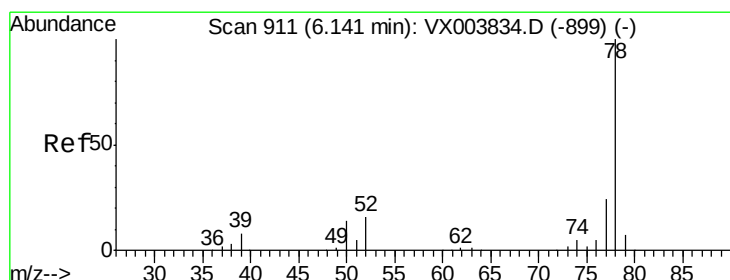
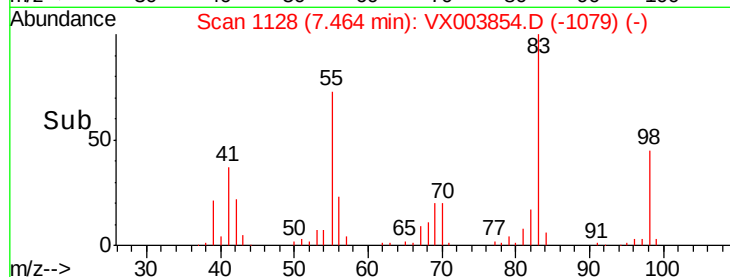
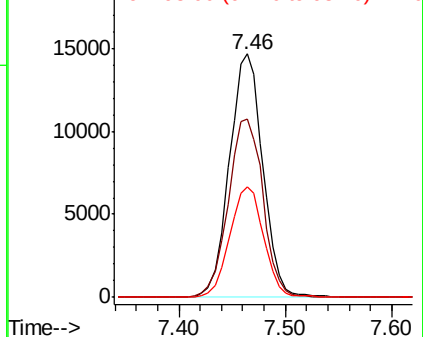


Abundance

Ion 83.00 (82.70 to 83.70): VX0

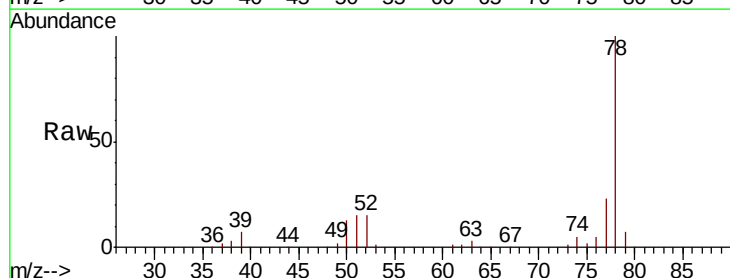
Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#40
Benzene
Concen: 19.40 ug/l
RT: 6.14 min Scan# 911
Delta R.T. 0.00 min
Lab File: VX003854.D
Acq: 03 Aug 2018 17:47

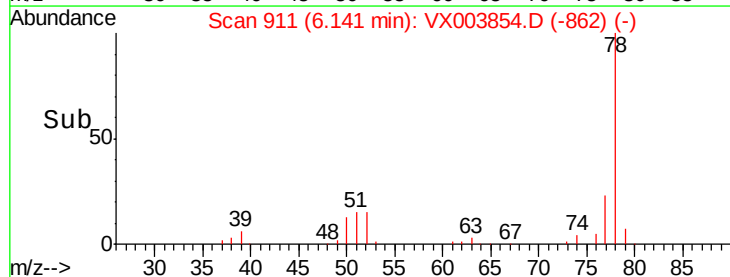
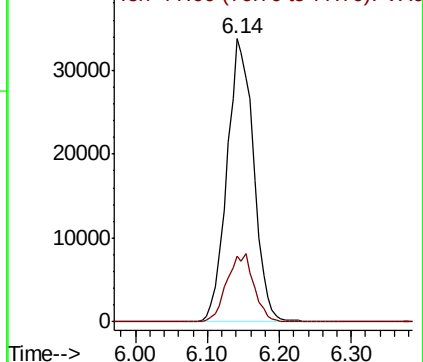
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.9	28.3

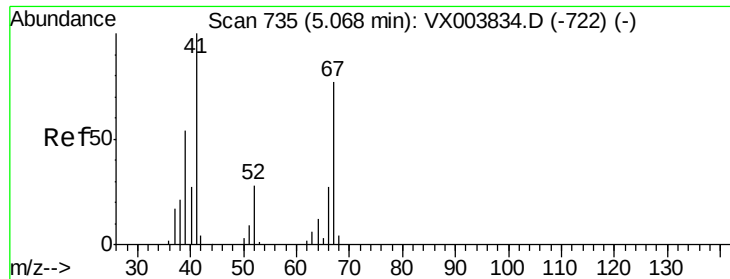


Abundance

Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





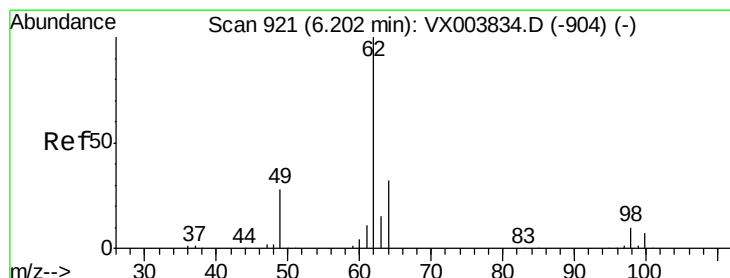
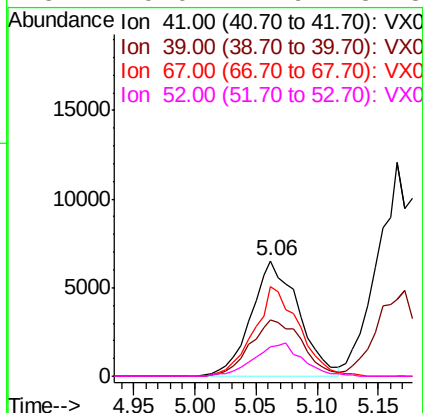
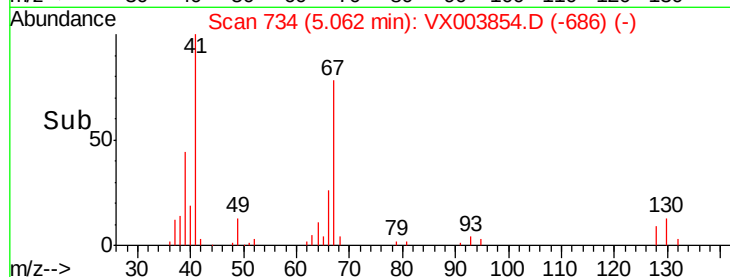
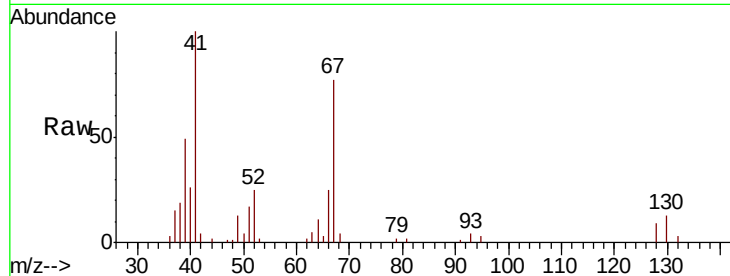
#41
Methacrylonitrile
Concen: 19.55 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX003854.D
Acq: 03 Aug 2018 17:47

Instrument :
MSVOA_X
ClientSampleId :
VX0805MBS01

Tot Ion:	41	Resp:	17659
Ion	Ratio	Lower	Upper
41	100		
39	53.0	42.5	63.7
67	73.4	58.8	88.2
52	29.0	22.9	34.3

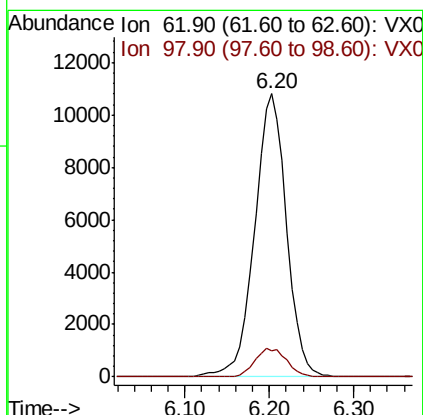
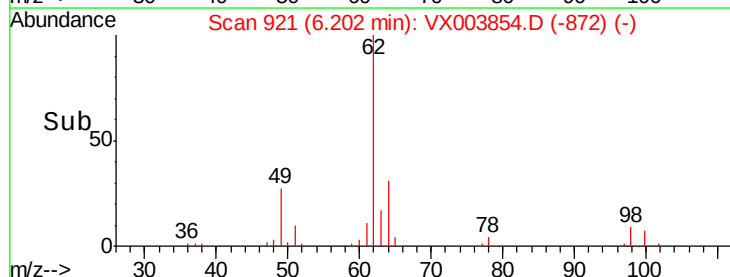
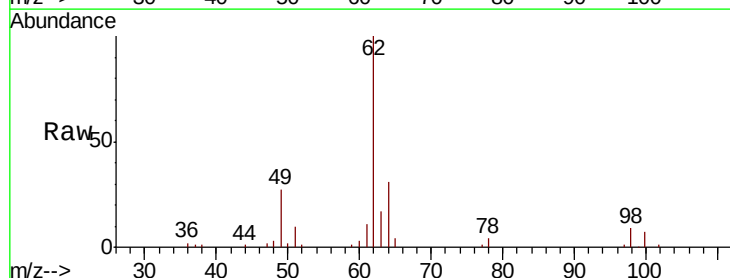
Manual Integrations
APPROVED

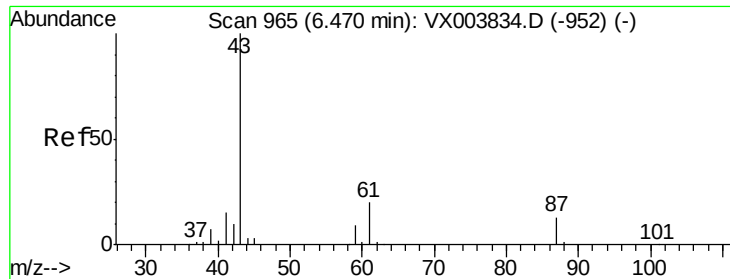
MMDadoda
8/6/2018 10:47:32 AM



#42
1,2-Dichloroethane
Concen: 18.68 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX003854.D
Acq: 03 Aug 2018 17:47

Tgt Ion:	62	Resp:	27972
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.6





#43

Isopropyl Acetate

Concen: 18.23 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX003854.D

Acq: 03 Aug 2018 17:47

Instrument :

MSVOA_X

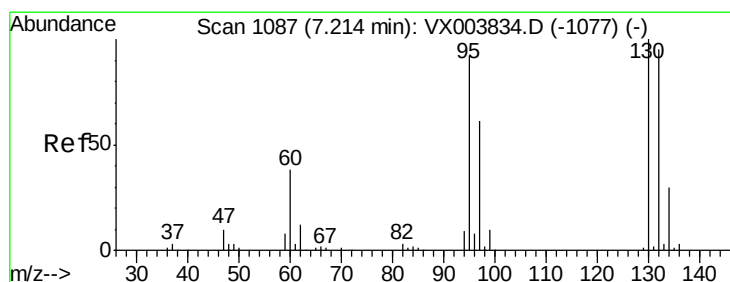
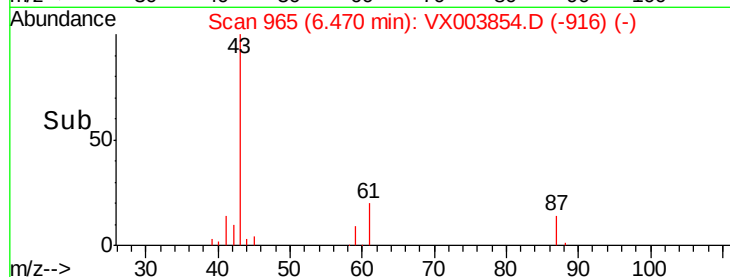
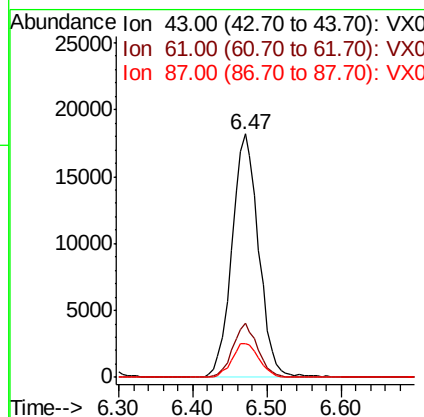
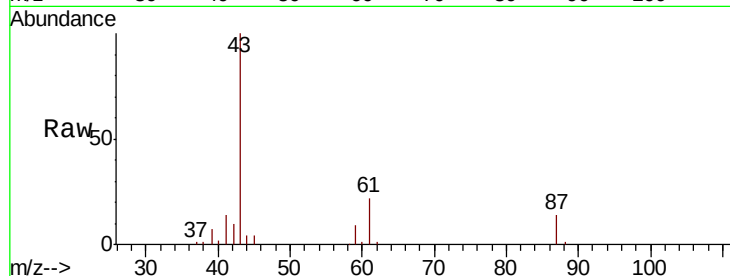
ClientSampleId :

VX0805MBS01

Tot Ion:	43	Resp:	45715
Ion	Ratio	Lower	Upper
43	100		
61	20.7	16.7	25.1
87	14.0	10.8	16.2

Manual Integrations
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8/6/2018 10:47:32 AM



#44

Trichloroethene

Concen: 20.58 ug/l

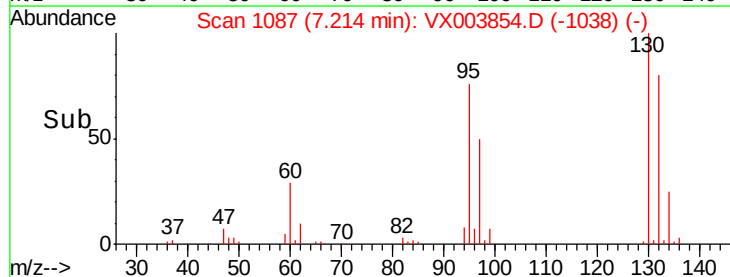
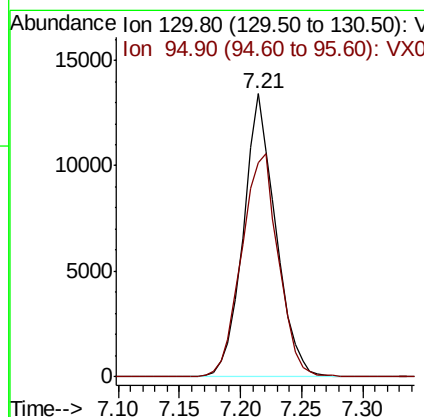
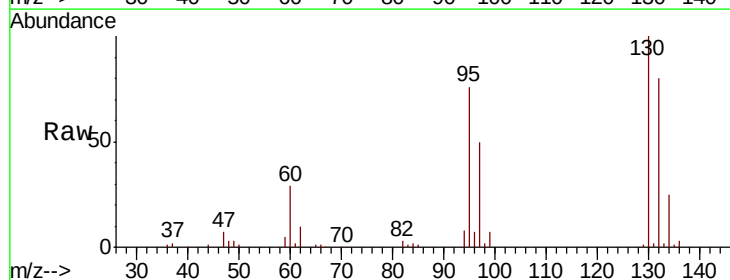
RT: 7.21 min Scan# 1087

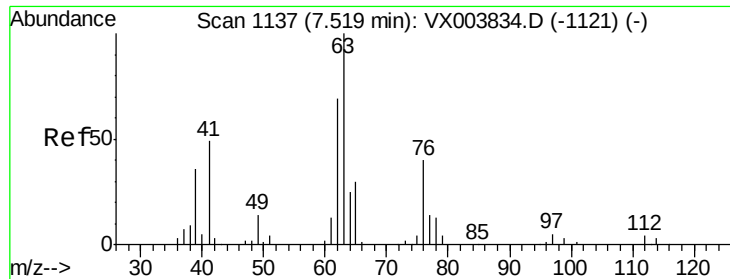
Delta R.T. 0.00 min

Lab File: VX003854.D

Acq: 03 Aug 2018 17:47

Tgt Ion:	130	Resp:	24639
Ion	Ratio	Lower	Upper
130	100		
95	75.6	0.0	184.8





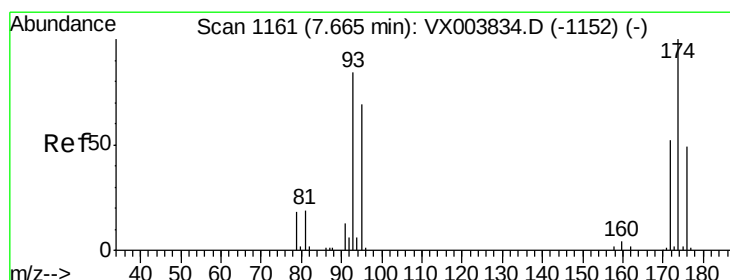
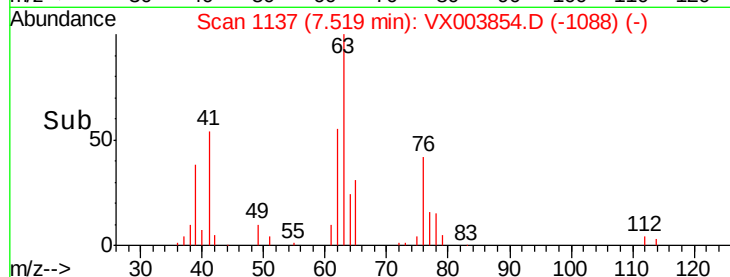
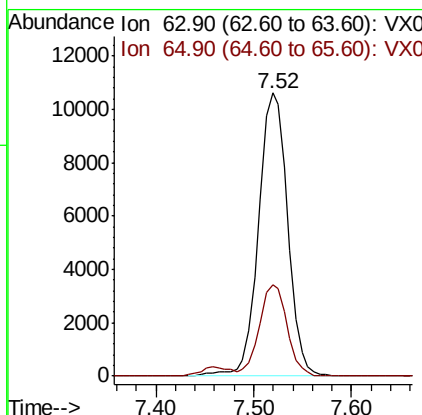
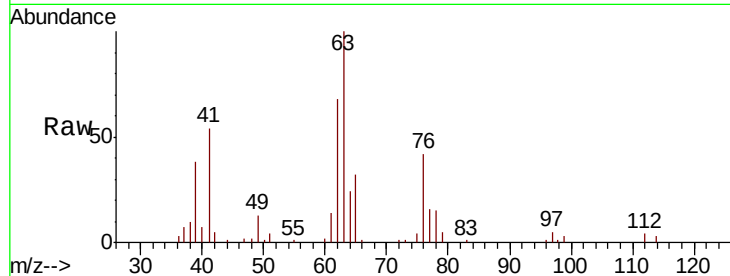
#45
 1,2-Dichloropropane
 Concen: 19.10 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX003854.D
 Acq: 03 Aug 2018 17:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0805MBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.4	24.2	36.4

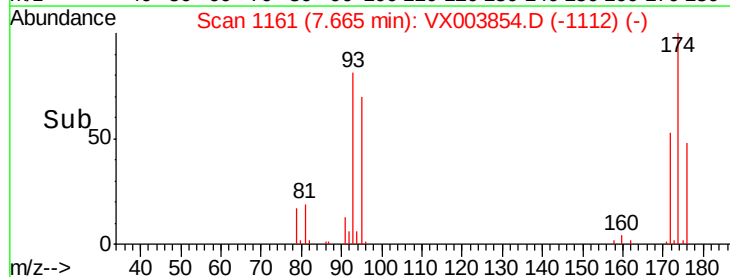
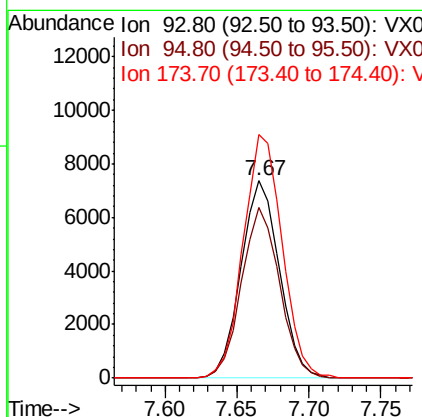
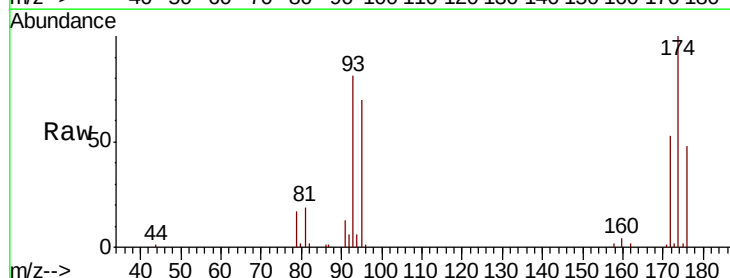
Manual Integrations
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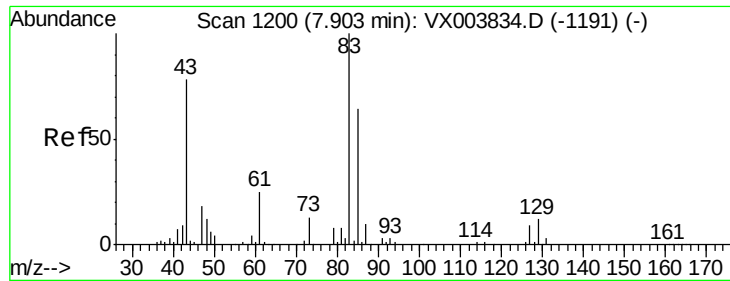
MMDadoda
 8/6/2018 10:47:32 AM



#46
 Dibromomethane
 Concen: 18.27 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX003854.D
 Acq: 03 Aug 2018 17:47

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.5	67.0	100.6
174	124.5	97.4	146.2





#47

Bromodichloromethane

Concen: 18.13 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003854.D

Acq: 03 Aug 2018 17:47

Instrument :

MSVOA_X

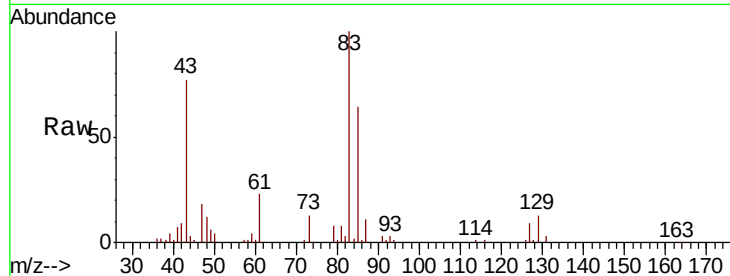
ClientSampleId :

VX0805MBS01

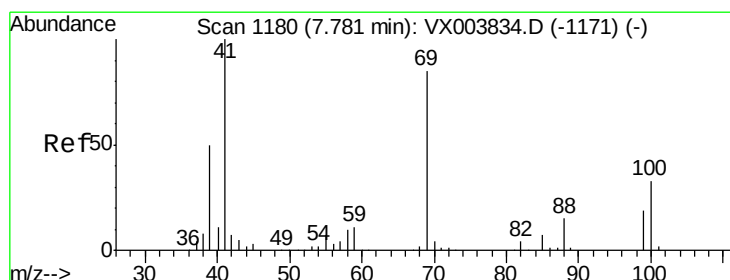
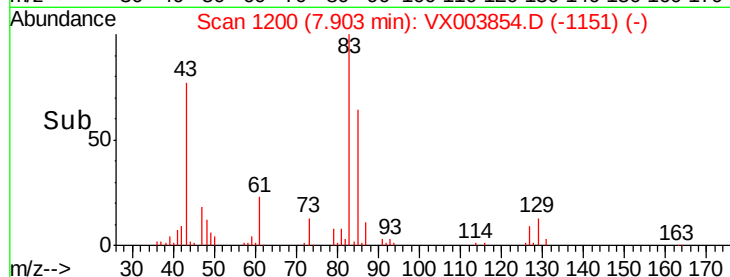
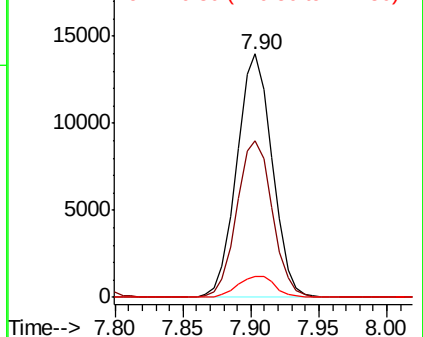
Tot Ion:	83	Resp:	25431
Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.4	77.2
127	8.5	7.0	10.6

Manual Integrations
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MMDadoda
8/6/2018 10:47:32 AM



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



#48

Methyl methacrylate

Concen: 18.18 ug/l

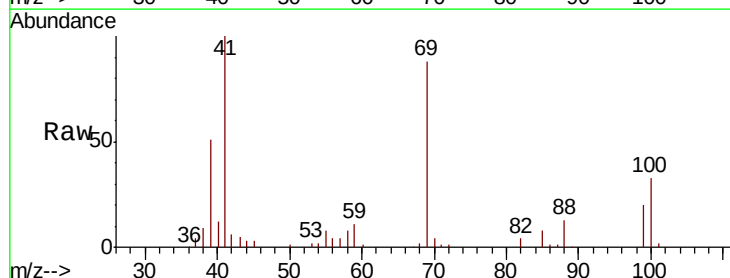
RT: 7.78 min Scan# 1180

Delta R.T. 0.00 min

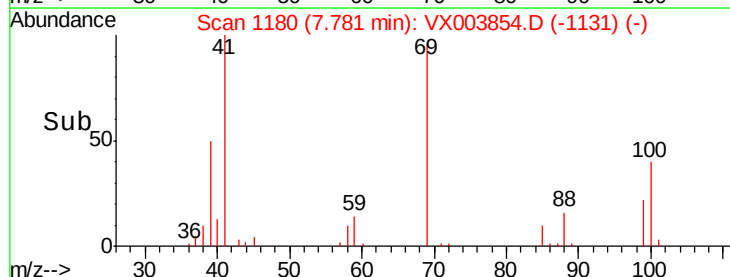
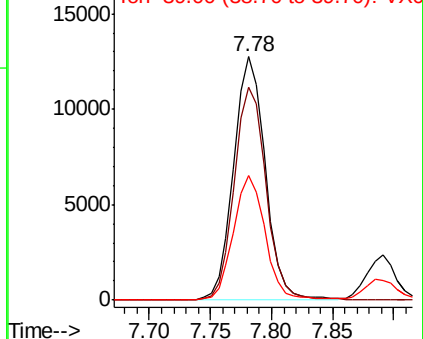
Lab File: VX003854.D

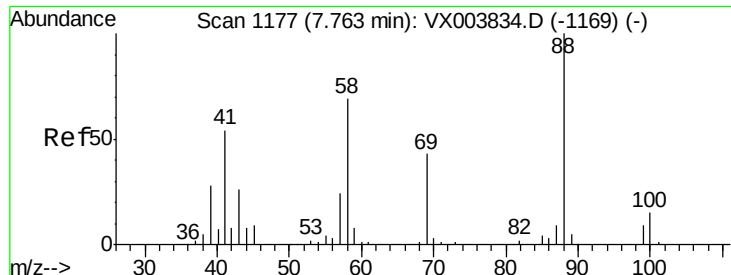
Acq: 03 Aug 2018 17:47

Tgt Ion:	41	Resp:	22959
Ion	Ratio	Lower	Upper
41	100		
69	87.7	70.2	105.4
39	51.3	40.9	61.3



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





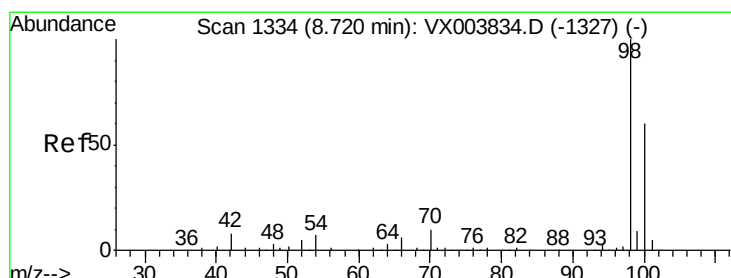
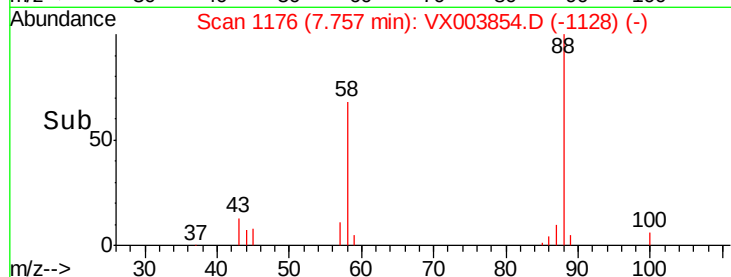
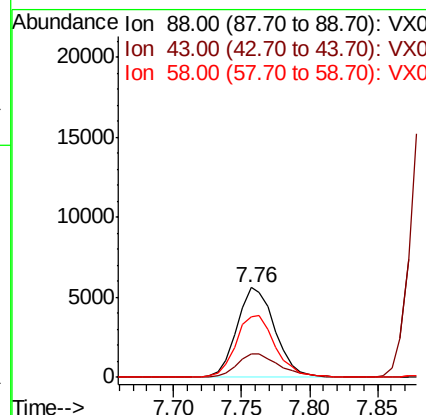
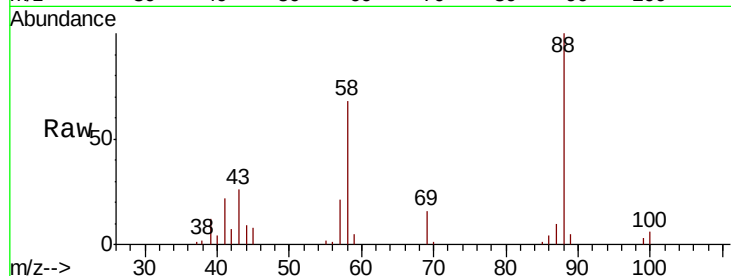
#49
1,4-Dioxane
Concen: 364.85 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.01 min
Lab File: VX003854.D
Acq: 03 Aug 2018 17:47

Instrument :
MSVOA_X
ClientSampleId :
VX0805MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.4	24.4	36.6
58	71.2	56.5	84.7

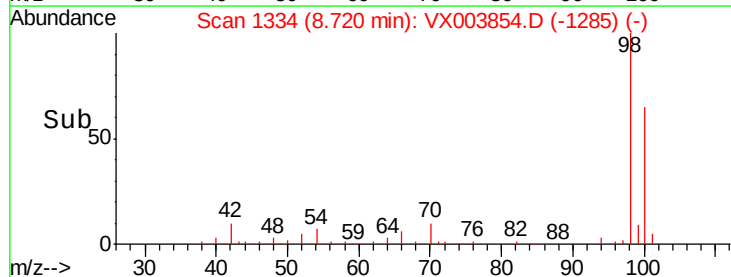
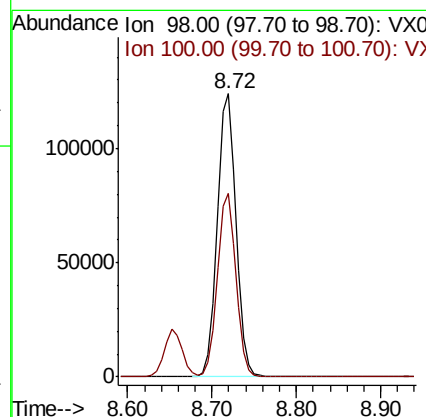
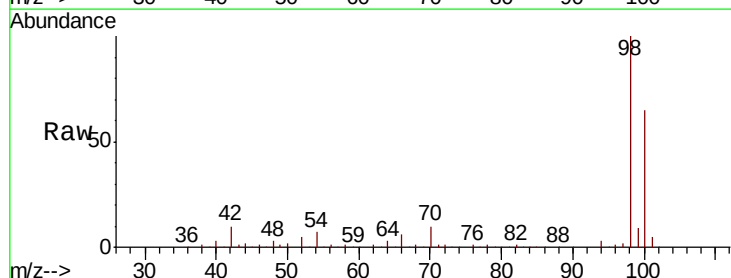
Manual Integrations
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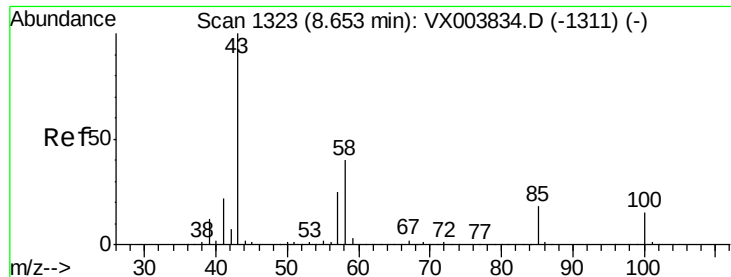
MMDadoda
8/6/2018 10:47:32 AM



#50
Toluene-d8
Concen: 47.51 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003854.D
Acq: 03 Aug 2018 17:47

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.4	77.2





#51

4-Methyl-2-Pentanone

Concen: 92.25 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX003854.D

Acq: 03 Aug 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

VX0805MBS01

Tot Ion: 43 Resp: 192942

Ion Ratio Lower Upper

43 100

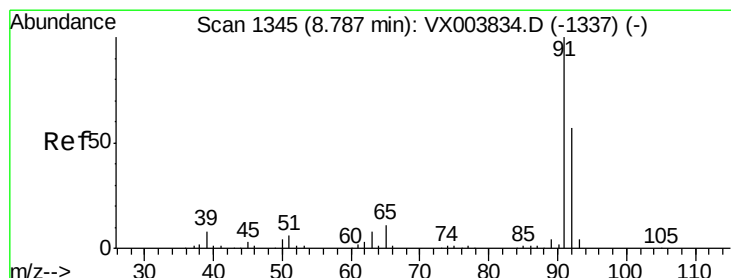
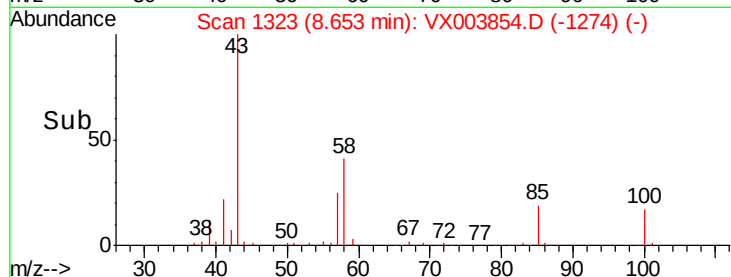
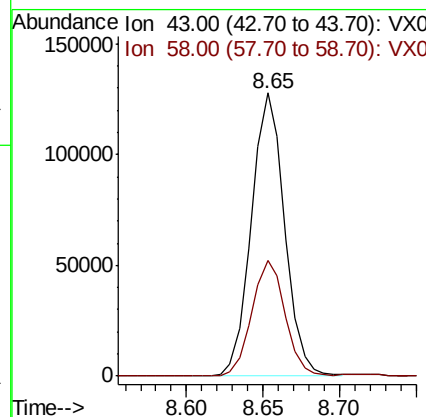
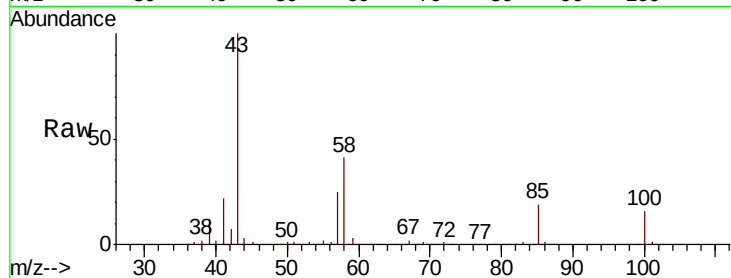
58 40.8 32.2 48.2

Manual Integrations

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MMDadoda

8/6/2018 10:47:32 AM



#52

Toluene

Concen: 19.47 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003854.D

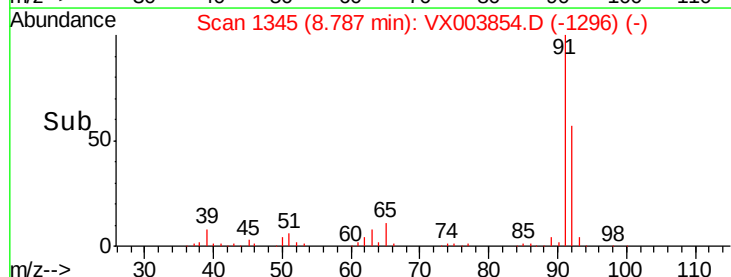
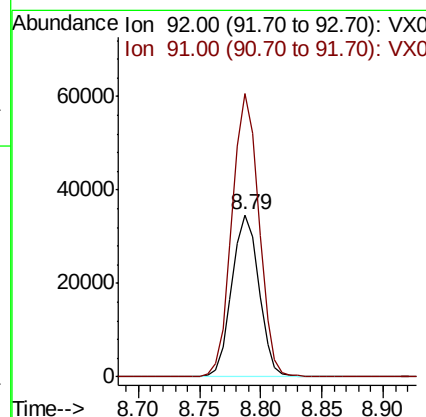
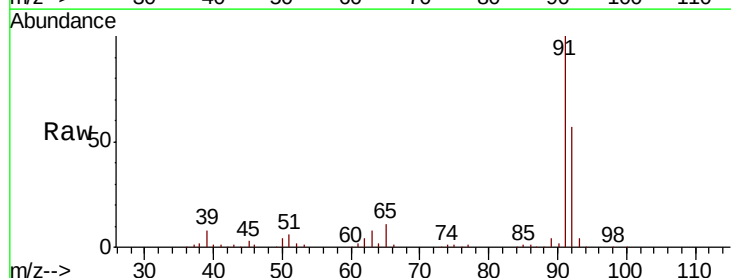
Acq: 03 Aug 2018 17:47

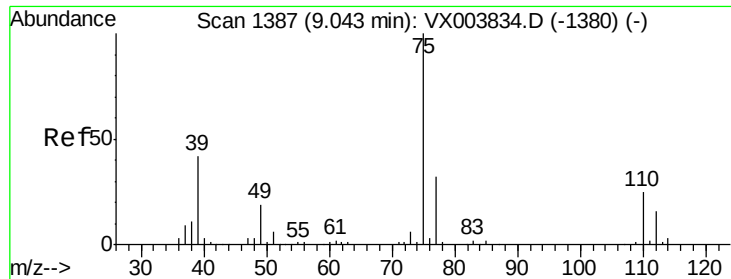
Tgt Ion: 92 Resp: 53267

Ion Ratio Lower Upper

92 100

91 173.5 140.2 210.2





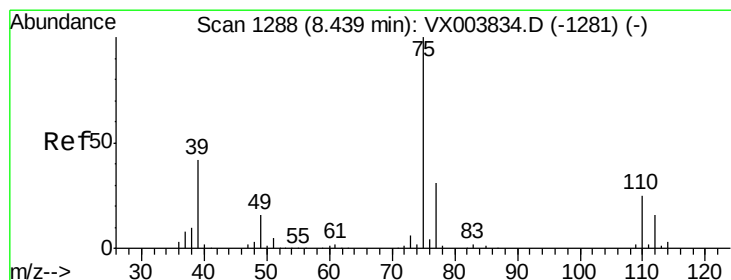
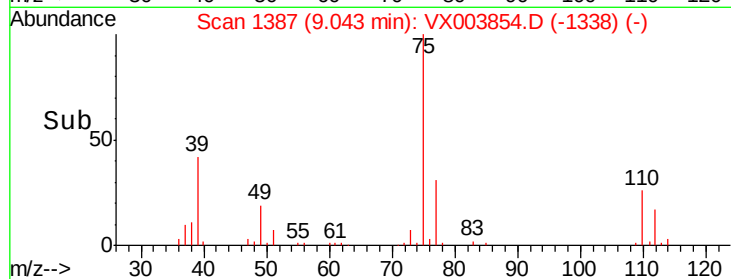
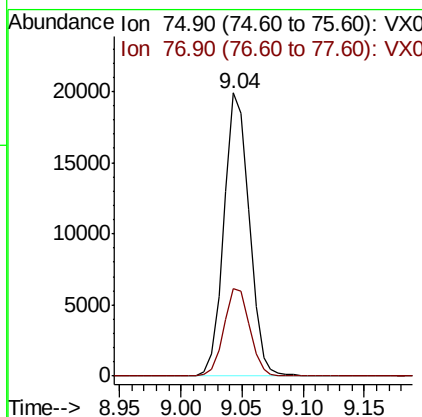
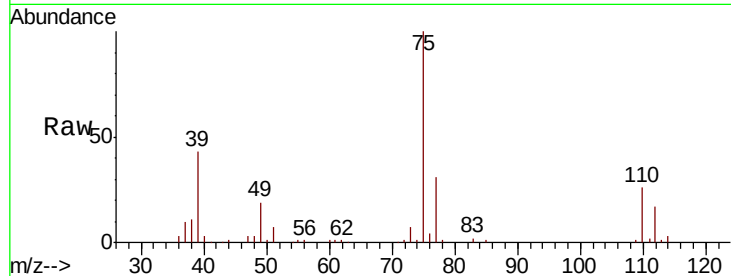
#53
 t-1,3-Dichloropropene
 Concen: 18.61 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. 0.00 min
 Lab File: VX003854.D
 Acq: 03 Aug 2018 17:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0805MBS01

Tot Ion: 75 Resp: 28476
 Ion Ratio Lower Upper
 75 100
 77 30.9 25.3 37.9

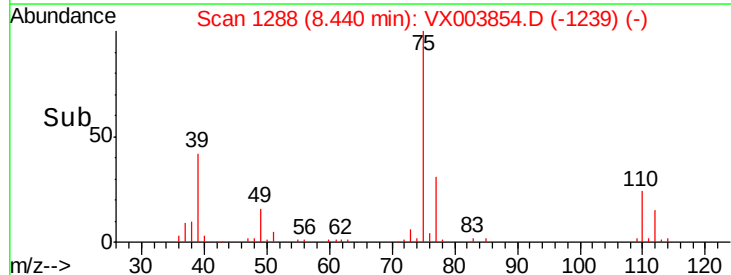
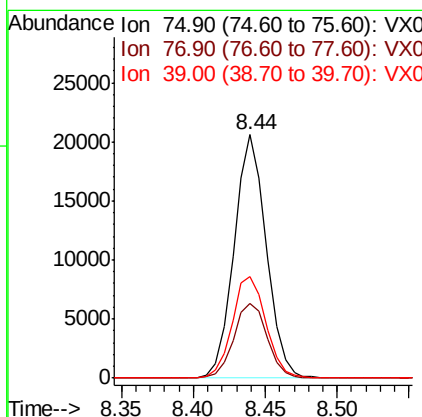
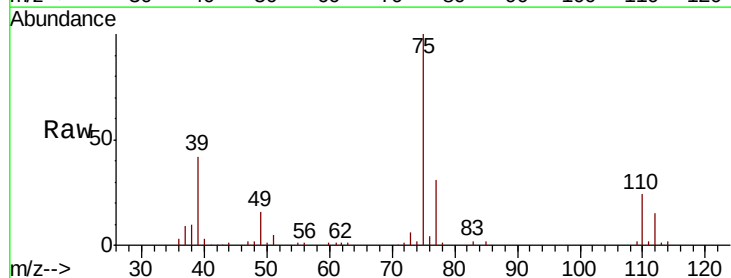
Manual Integrations
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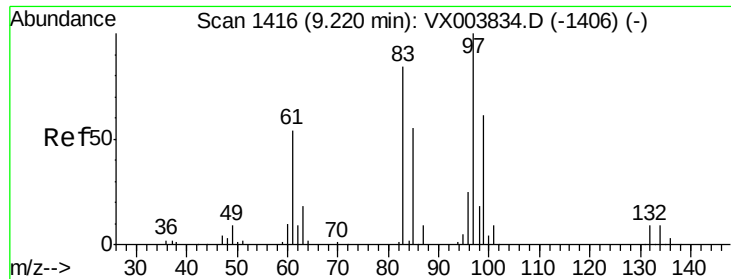
MMDadoda
 8/6/2018 10:47:32 AM



#54
 cis-1,3-Dichloropropene
 Concen: 19.21 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. 0.00 min
 Lab File: VX003854.D
 Acq: 03 Aug 2018 17:47

Tgt Ion: 75 Resp: 32001
 Ion Ratio Lower Upper
 75 100
 77 30.9 25.2 37.8
 39 41.6 33.5 50.3





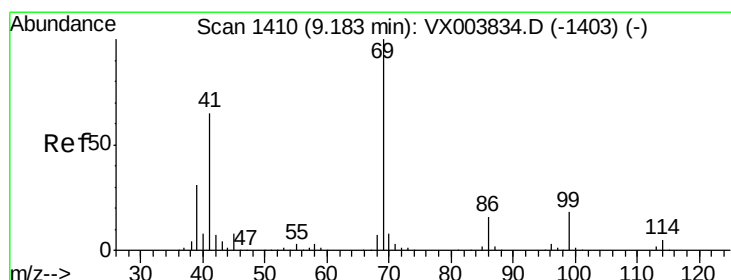
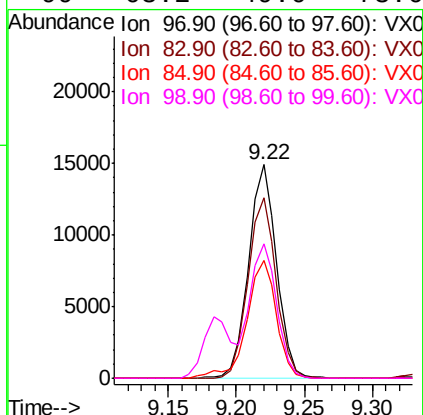
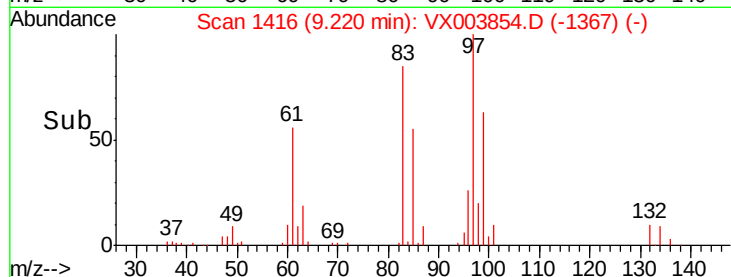
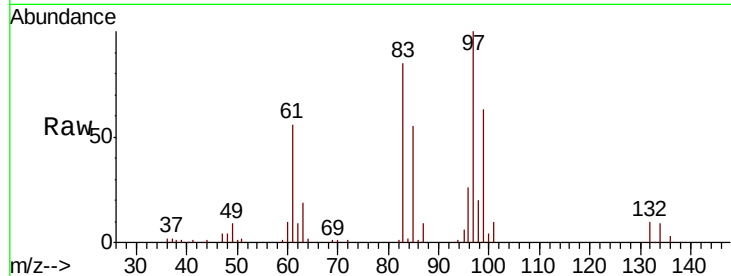
#55
 1,1,2-Trichloroethane
 Concen: 18.44 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003854.D
 Acq: 03 Aug 2018 17:47

Instrument :
 MSVOA_X
 ClientSampled :
 VX0805MBS01

Tot Ion:	97	Resp:	21469
Ion	Ratio	Lower	Upper
97	100		
83	84.6	67.4	101.2
85	55.1	43.9	65.9
99	63.2	49.0	73.6

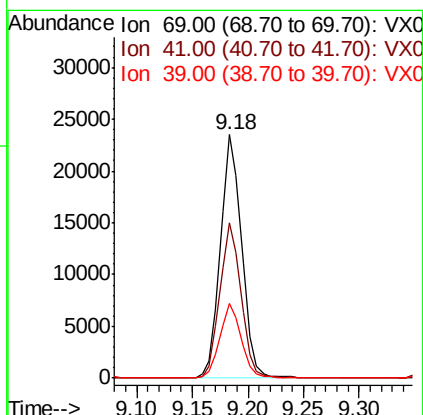
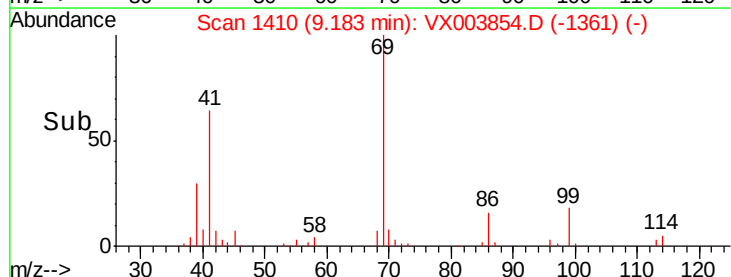
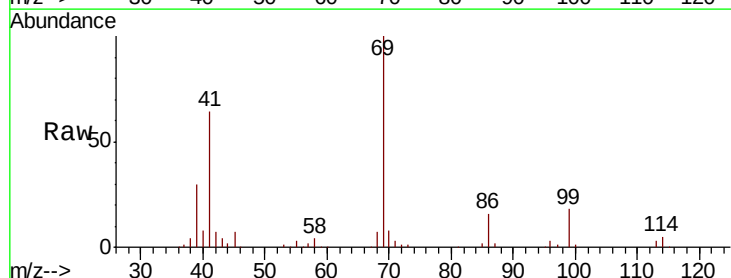
Manual Integrations
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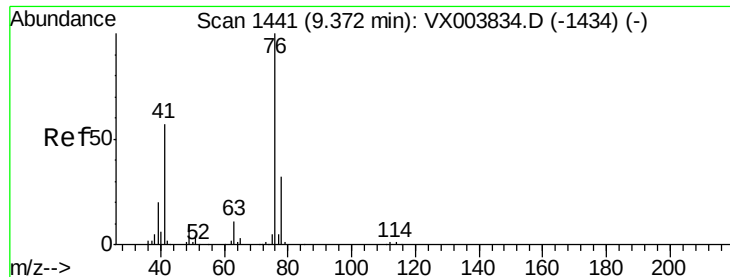
MMDadoda
 8/6/2018 10:47:32 AM



#56
 Ethyl methacrylate
 Concen: 19.12 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003854.D
 Acq: 03 Aug 2018 17:47

Tgt Ion:	69	Resp:	31161
Ion	Ratio	Lower	Upper
69	100		
41	63.5	51.1	76.7
39	31.2	24.7	37.1





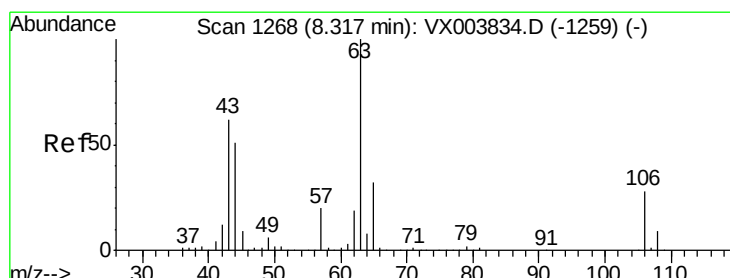
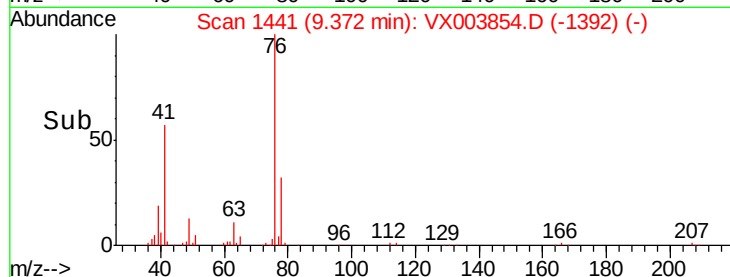
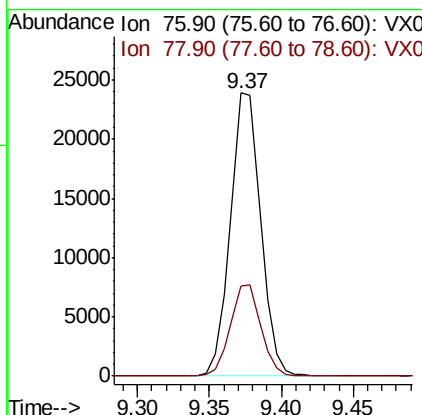
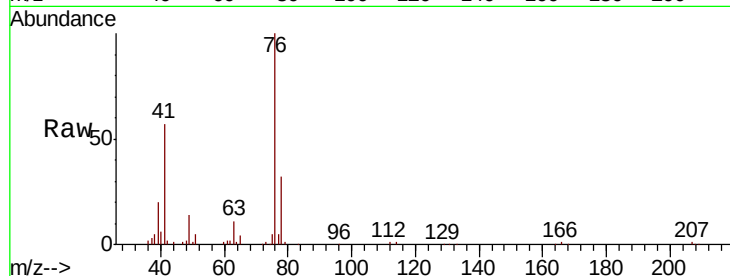
#57
 1,3-Dichloropropane
 Concen: 18.73 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VX003854.D
 Acq: 03 Aug 2018 17:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0805MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.7	38.5

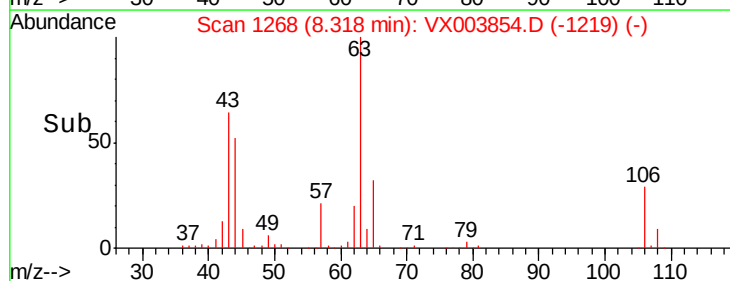
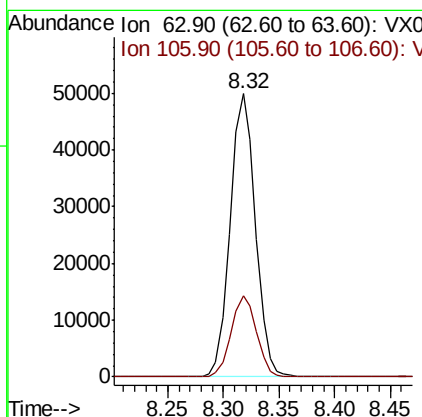
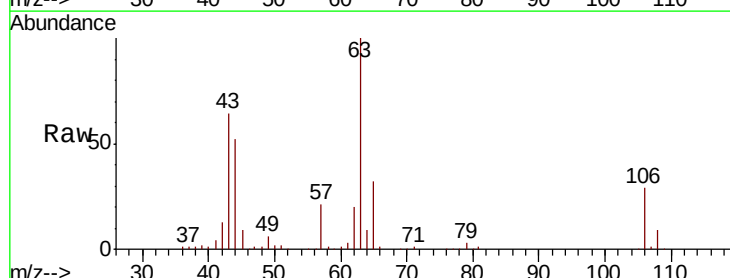
Manual Integrations
 APPROVED

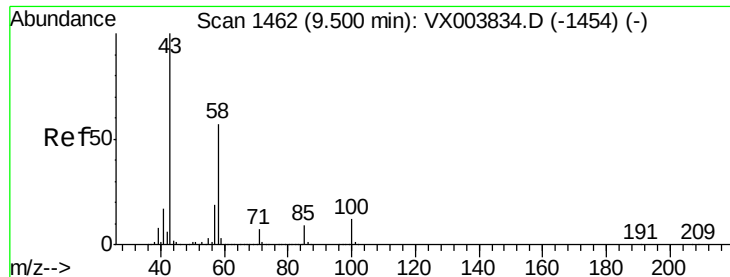
MMDadoda
 8/6/2018 10:47:32 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 93.19 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VX003854.D
 Acq: 03 Aug 2018 17:47

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.7	22.6	34.0





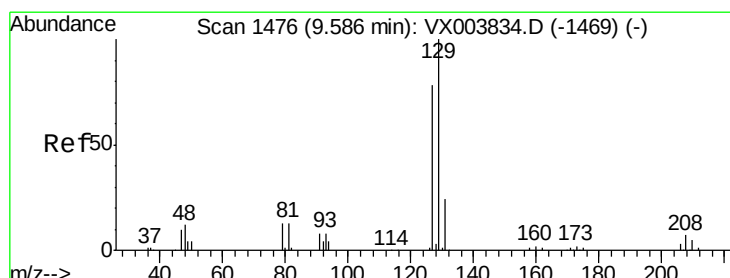
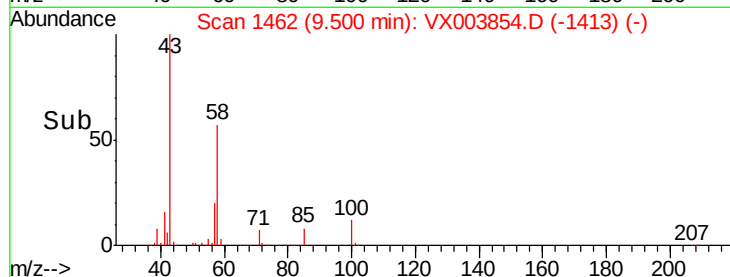
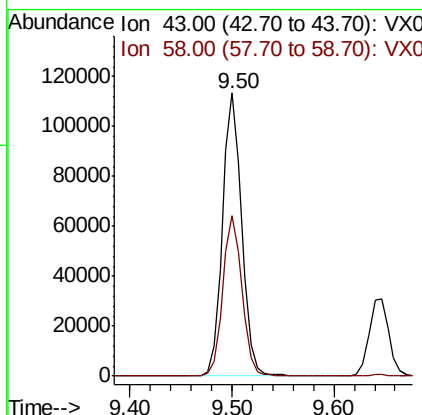
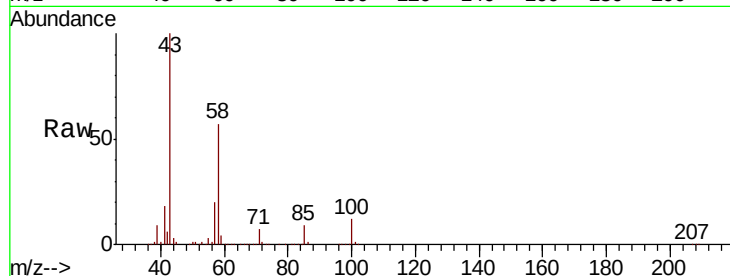
#59
2-Hexanone
Concen: 93.13 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003854.D
Acq: 03 Aug 2018 17:47

Instrument :
MSVOA_X
ClientSampleId :
VX0805MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.6	28.2	84.7

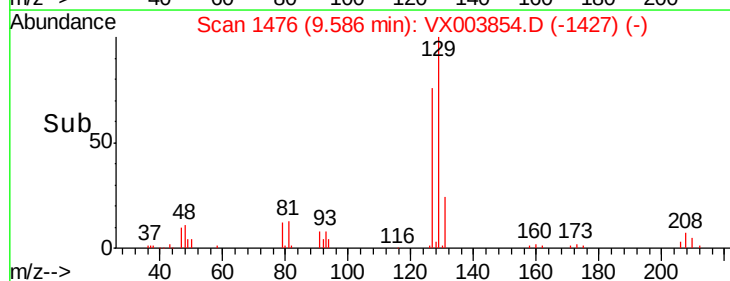
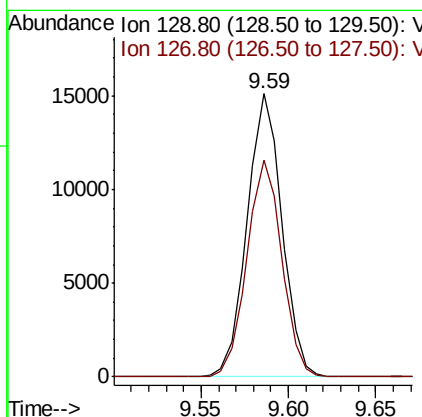
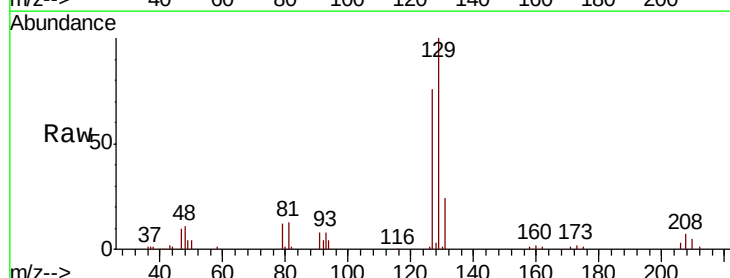
Manual Integrations
APPROVED

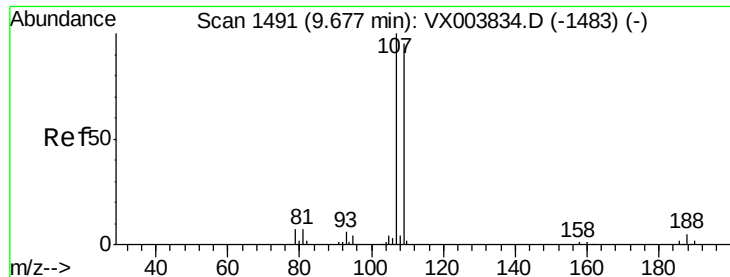
MMDadoda
8/6/2018 10:47:32 AM



#60
Dibromochloromethane
Concen: 18.33 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003854.D
Acq: 03 Aug 2018 17:47

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.9	39.0	116.9





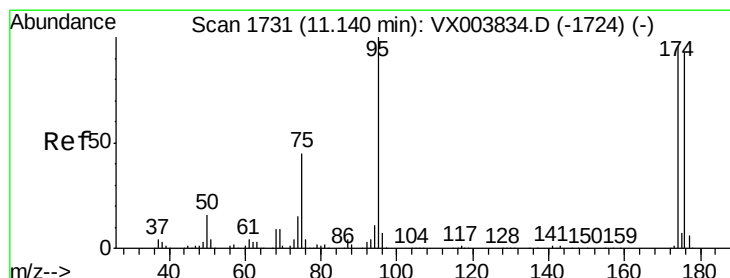
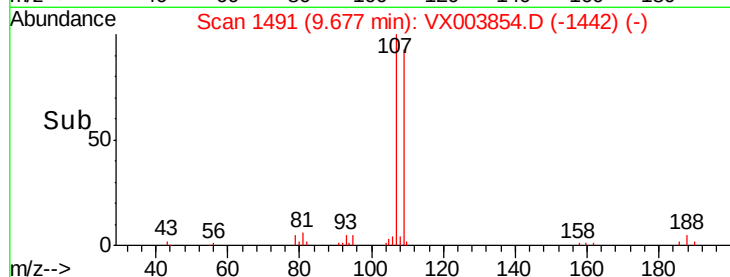
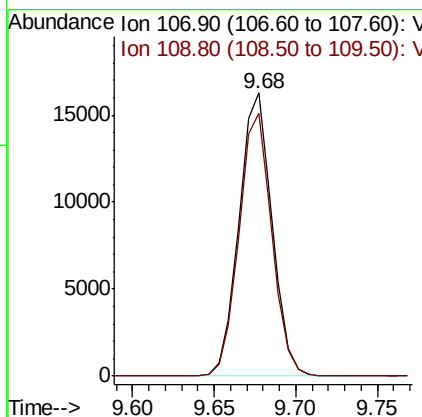
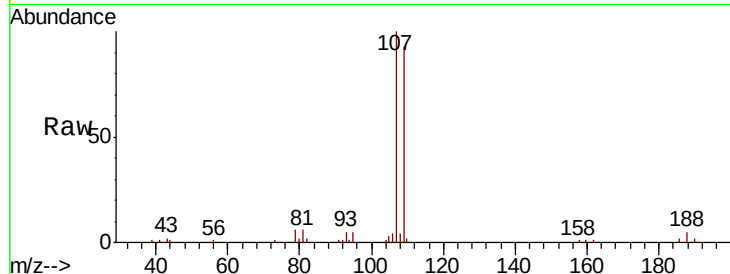
#61
 1,2-Dibromoethane
 Concen: 19.13 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. 0.00 min
 Lab File: VX003854.D
 Acq: 03 Aug 2018 17:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0805MBS01

Tot Ion:107 Resp: 22880
 Ion Ratio Lower Upper
 107 100
 109 92.6 75.8 113.8

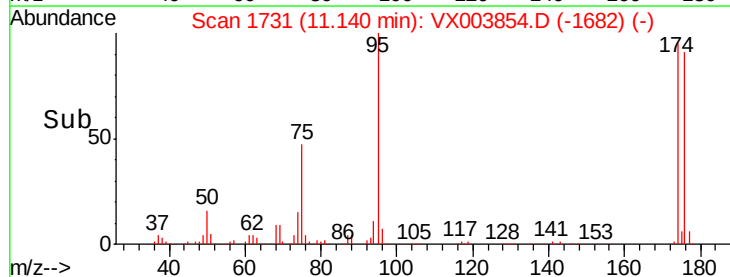
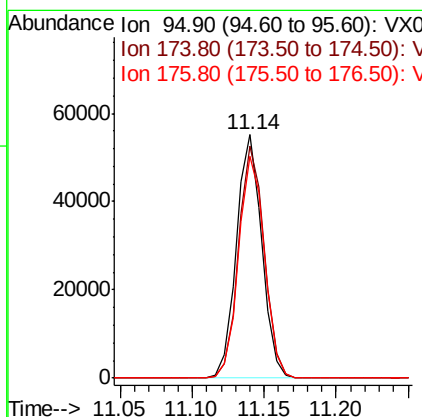
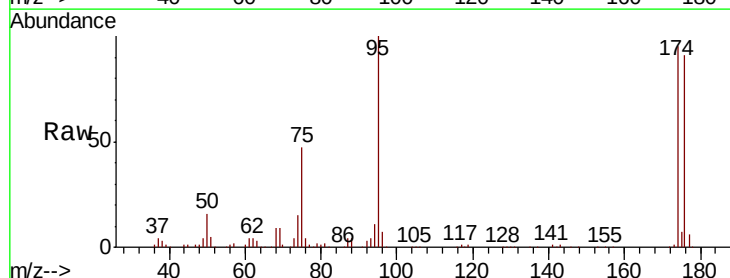
Manual Integrations
 APPROVED

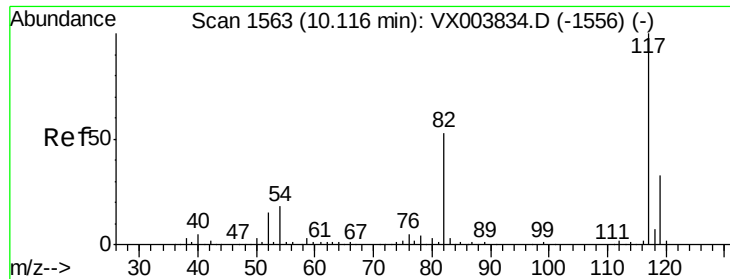
MMDadoda
 8/6/2018 10:47:32 AM



#62
 4-Bromofluorobenzene
 Concen: 46.51 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX003854.D
 Acq: 03 Aug 2018 17:47

Tgt Ion: 95 Resp: 67788
 Ion Ratio Lower Upper
 95 100
 174 96.3 0.0 192.2
 176 92.8 0.0 185.8





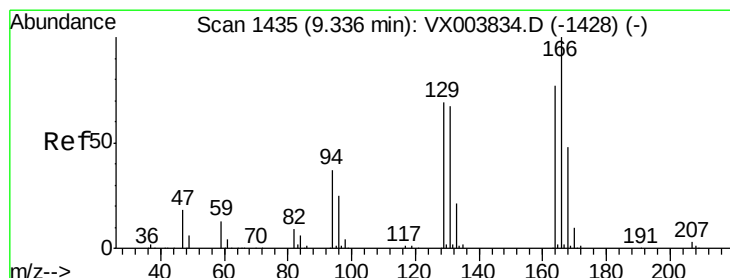
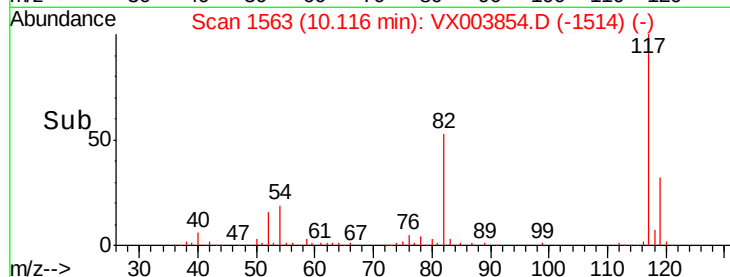
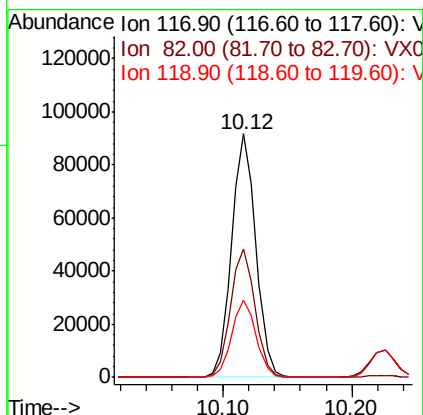
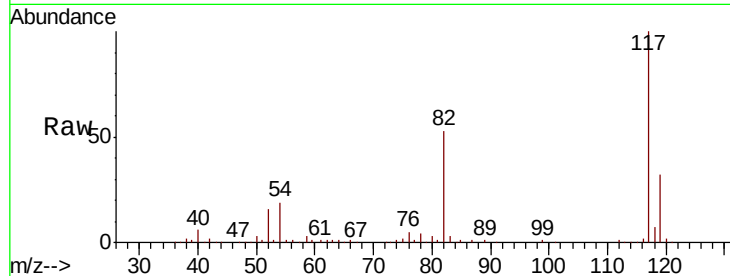
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003854.D
Acq: 03 Aug 2018 17:47

Instrument :
MSVOA_X
ClientSampleId :
VX0805MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	42.2	63.4
119	32.0	26.2	39.2

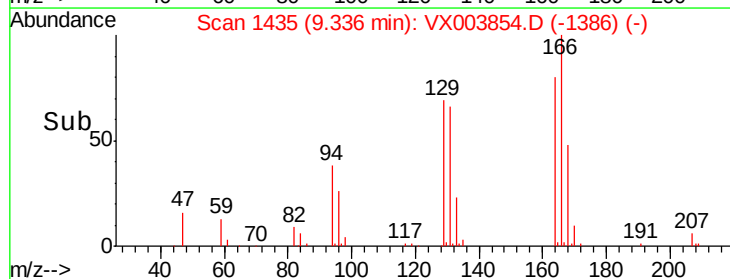
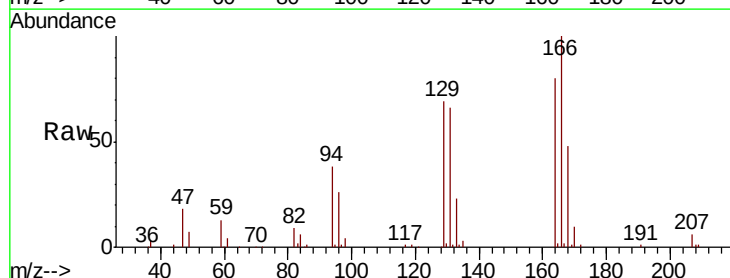
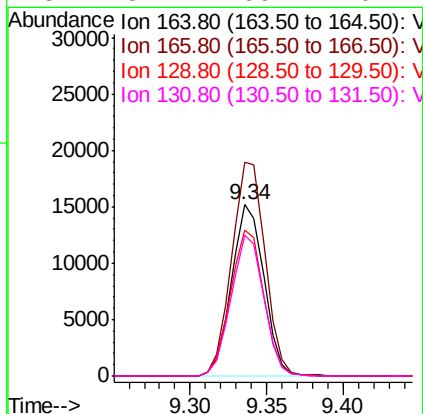
Manual Integrations
APPROVED

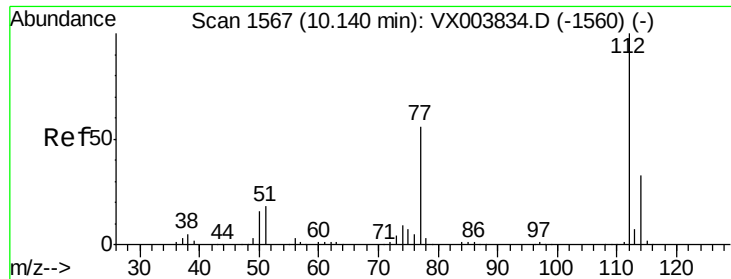
MMDadoda
8/6/2018 10:47:32 AM



#64
Tetrachloroethene
Concen: 20.45 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX003854.D
Acq: 03 Aug 2018 17:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.8	103.7	155.5
129	85.6	71.9	107.9
131	82.1	69.4	104.2





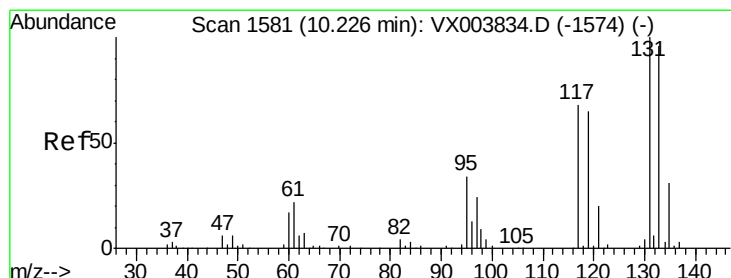
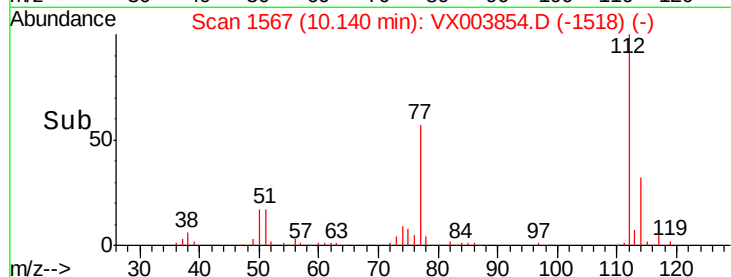
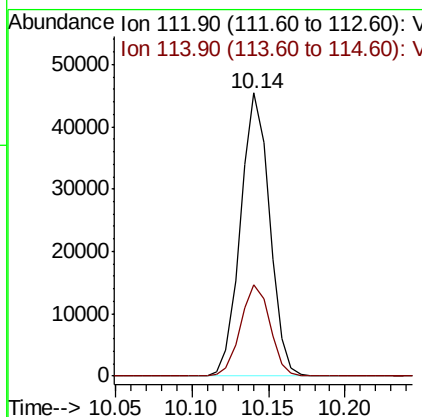
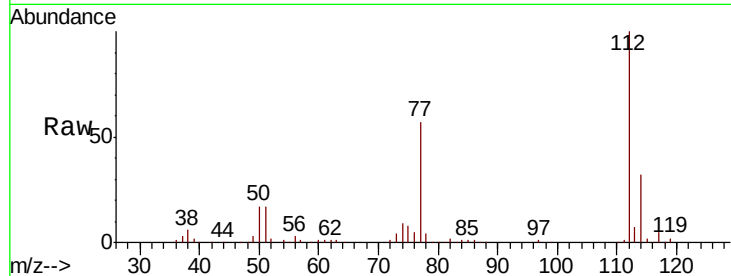
#65
Chlorobenzene
Concen: 20.09 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003854.D
Acq: 03 Aug 2018 17:47

Instrument :
MSVOA_X
ClientSampled :
VX0805MBS01

Tot Ion:112 Resp: 59890
Ion Ratio Lower Upper
112 100
114 32.3 26.2 39.4

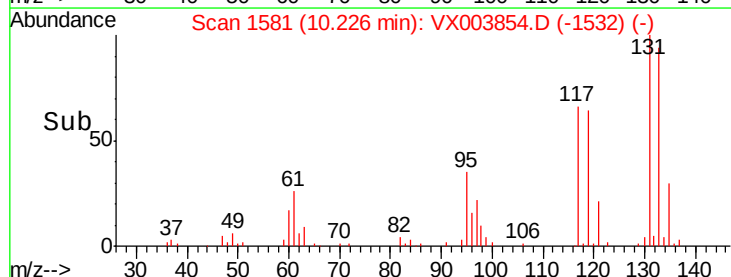
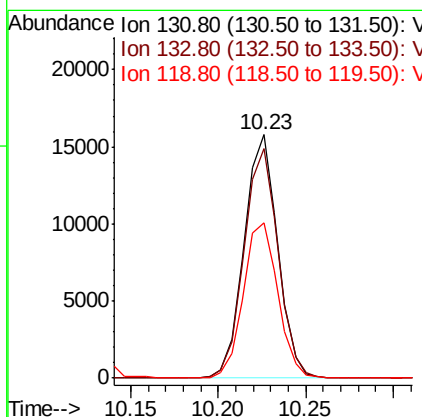
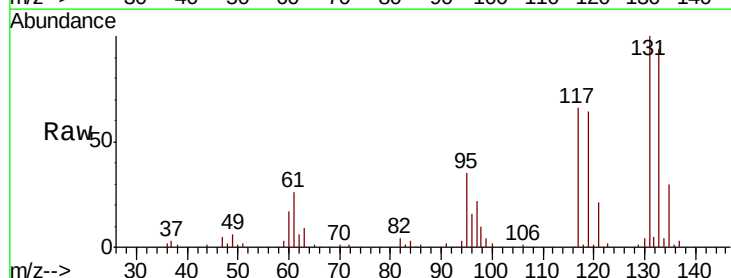
Manual Integrations
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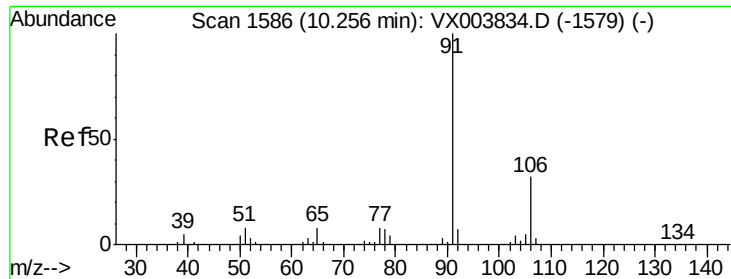
MMDadoda
8/6/2018 10:47:32 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.00 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003854.D
Acq: 03 Aug 2018 17:47

Tgt Ion:131 Resp: 20992
Ion Ratio Lower Upper
131 100
133 95.8 47.9 143.8
119 65.8 32.8 98.3





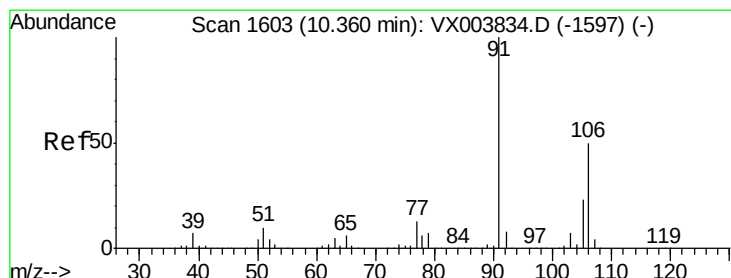
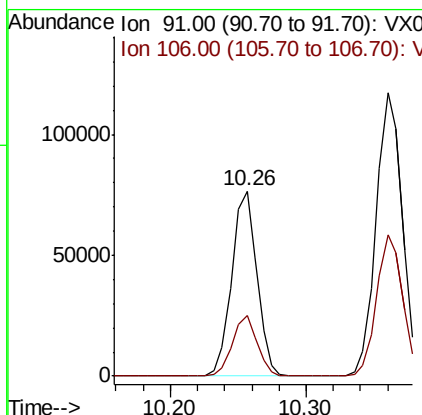
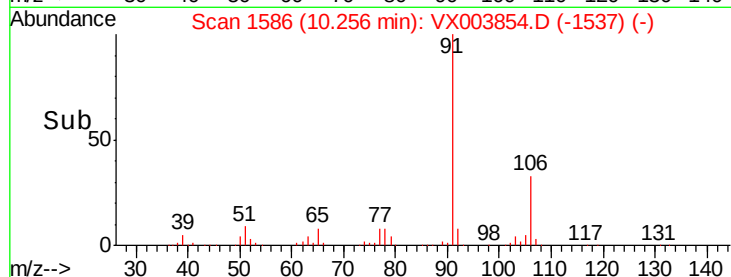
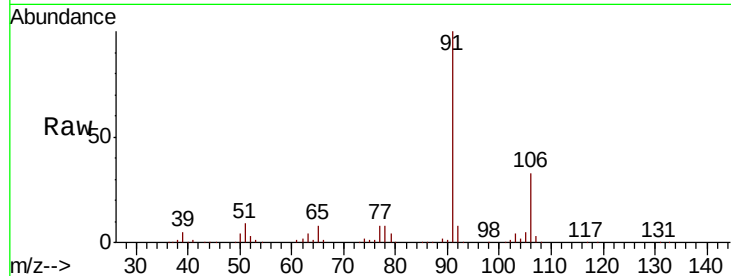
#67
Ethyl Benzene
Concen: 20.75 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003854.D
Acq: 03 Aug 2018 17:47

Instrument :
MSVOA_X
ClientSampled :
VX0805MBS01

Tot Ion: 91 Resp: 98907
Ion Ratio Lower Upper
91 100
106 32.6 25.7 38.5

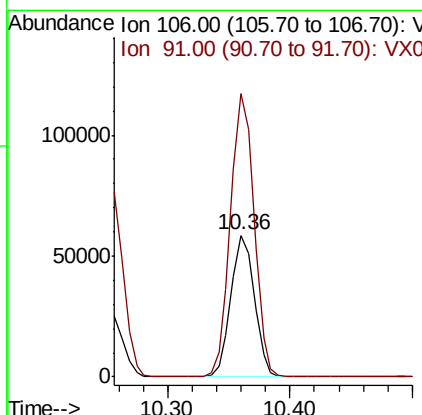
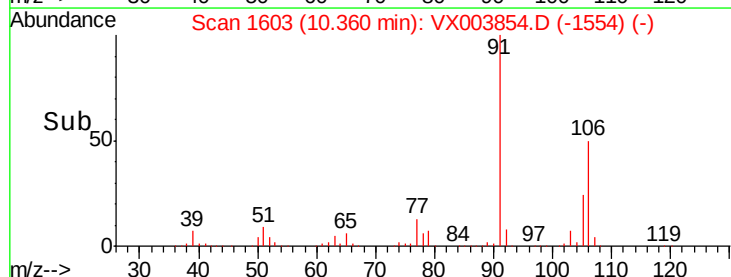
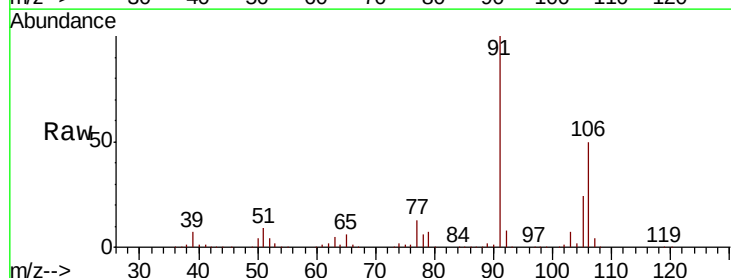
Manual Integrations
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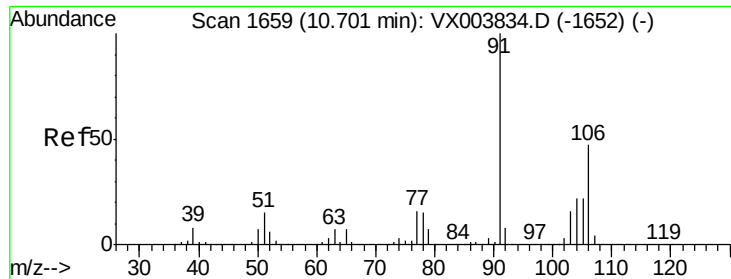
MMDadoda
8/6/2018 10:47:32 AM



#68
m/p-Xylenes
Concen: 41.81 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003854.D
Acq: 03 Aug 2018 17:47

Tgt Ion: 106 Resp: 77911
Ion Ratio Lower Upper
106 100
91 201.2 161.3 241.9





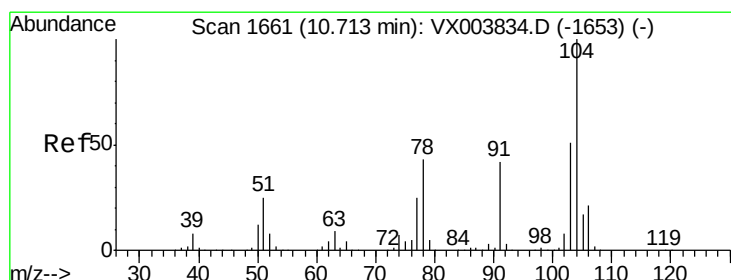
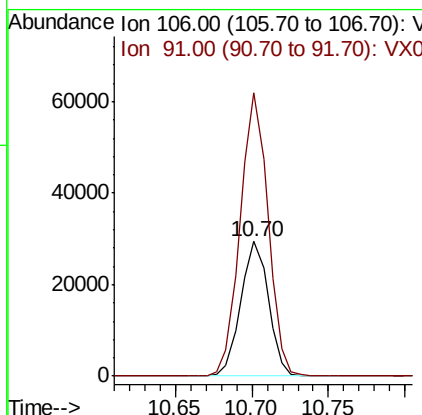
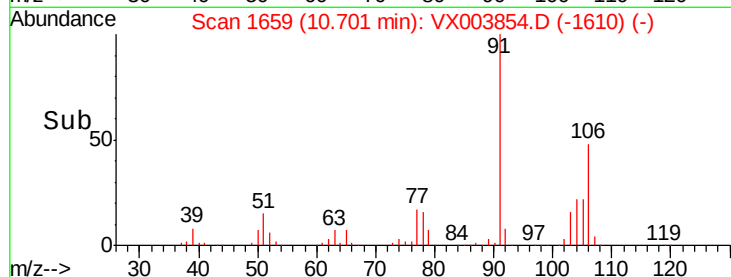
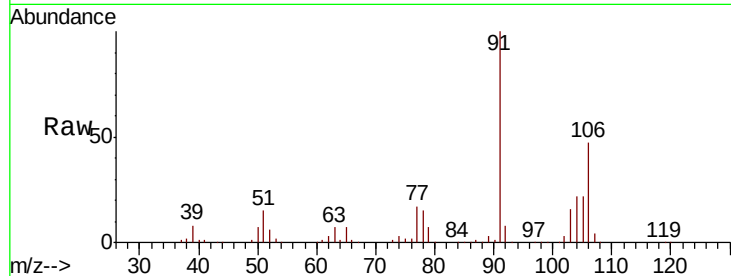
#69
o-Xylene
Concen: 20.70 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003854.D
Acq: 03 Aug 2018 17:47

Instrument :
MSVOA_X
ClientSampleId :
VX0805MBS01

Tot Ion:106 Resp: 37179
Ion Ratio Lower Upper
106 100
91 210.6 105.7 317.1

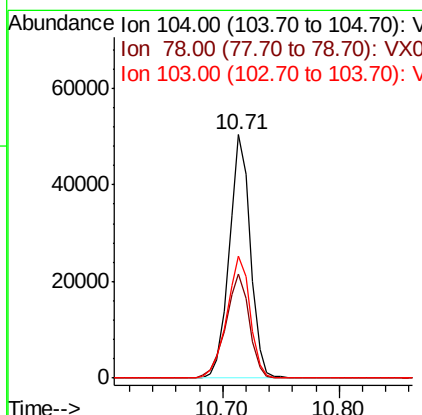
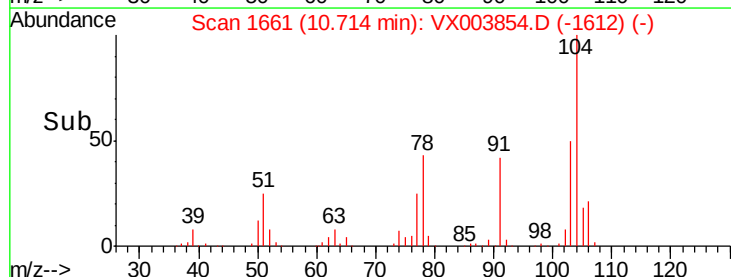
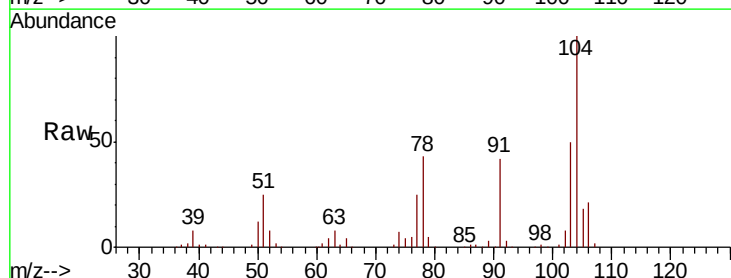
Manual Integrations
APPROVED

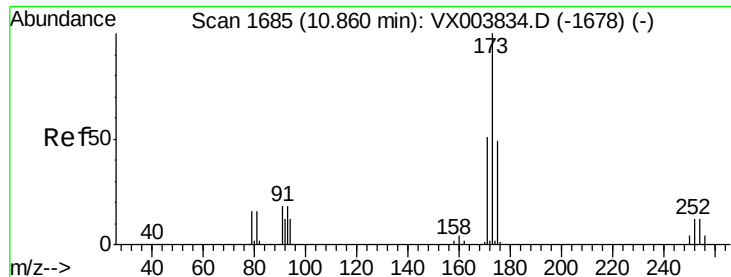
MMDadoda
8/6/2018 10:47:32 AM



#70
Styrene
Concen: 21.27 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003854.D
Acq: 03 Aug 2018 17:47

Tgt Ion:104 Resp: 63460
Ion Ratio Lower Upper
104 100
78 47.3 37.8 56.8
103 55.2 44.2 66.4





#71

Bromoform

Concen: 18.77 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003854.D

Acq: 03 Aug 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

VX0805MBS01

Tot Ion:173 Resp: 16343

Ion Ratio Lower Upper

173 100

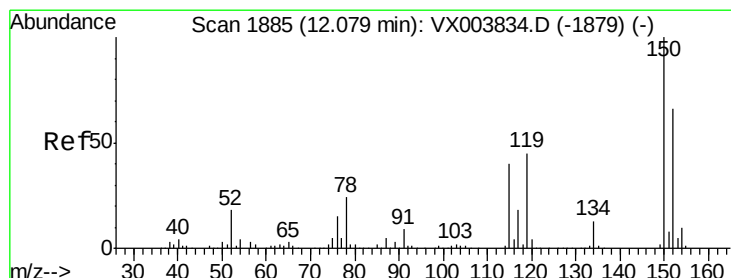
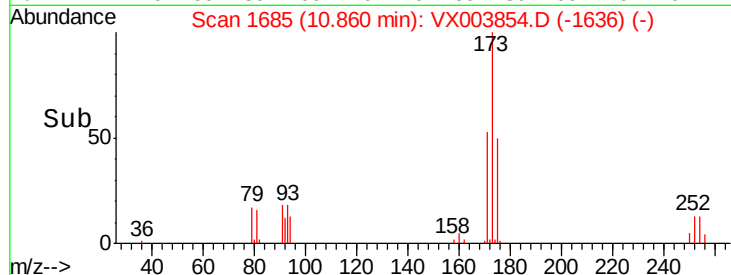
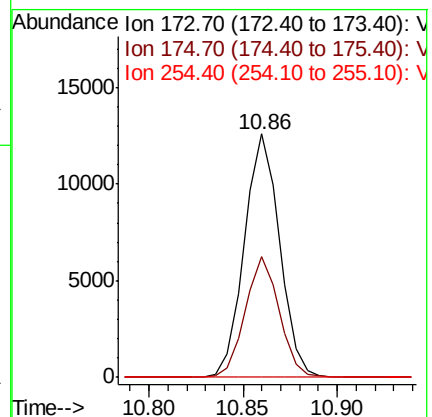
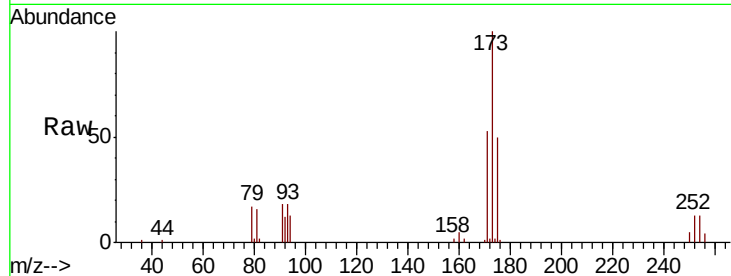
175 47.9 24.4 73.2

254 0.0 0.1 0.1#

Manual Integrations
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8/6/2018 10:47:32 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003854.D

Acq: 03 Aug 2018 17:47

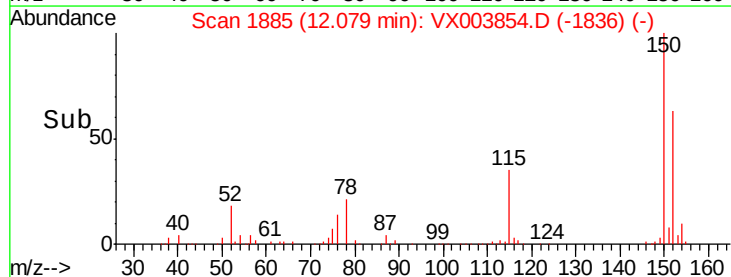
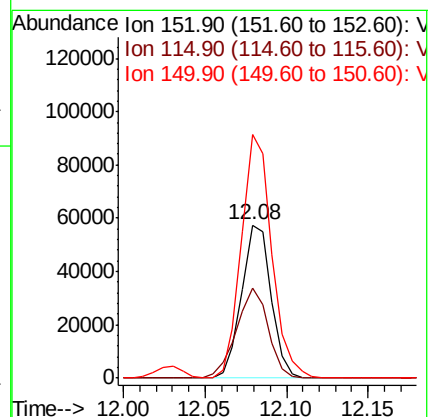
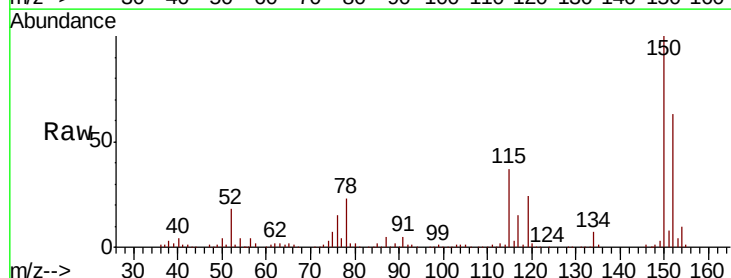
Tgt Ion:152 Resp: 72382

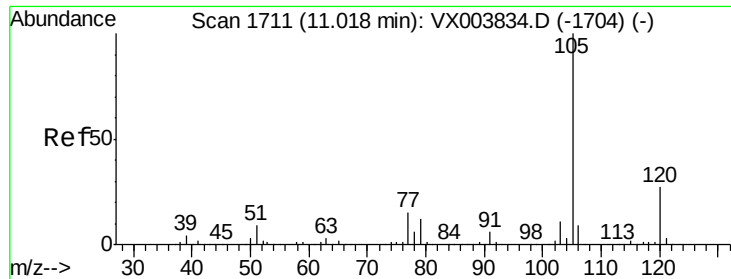
Ion Ratio Lower Upper

152 100

115 63.5 37.4 112.1

150 164.3 0.0 346.6





#73

Isopropylbenzene

Concen: 21.83 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX003854.D

Acq: 03 Aug 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

VX0805MBS01

Tot Ion: 105 Resp: 101335

Ion Ratio Lower Upper

105 100

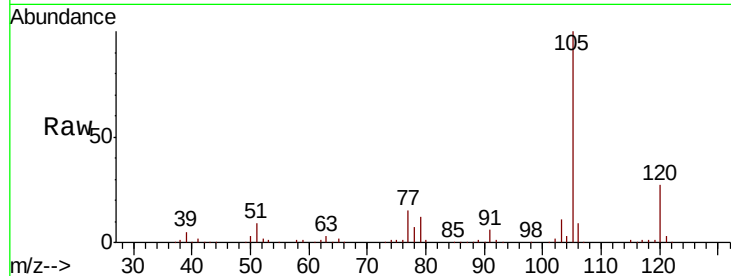
120 26.9 13.6 40.7

Manual Integrations

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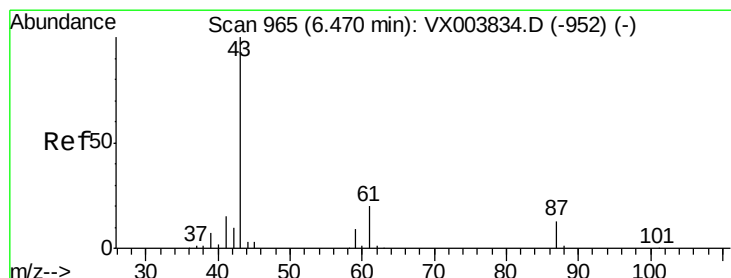
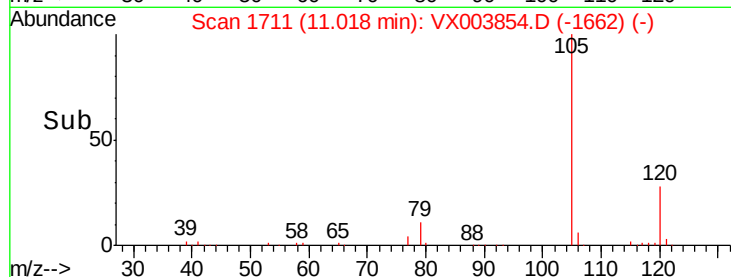
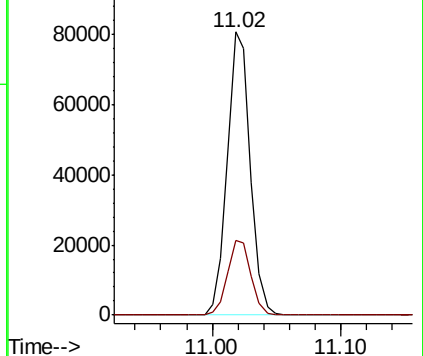
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.86 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX003854.D

Acq: 03 Aug 2018 17:47

Tgt Ion: 43 Resp: 45715

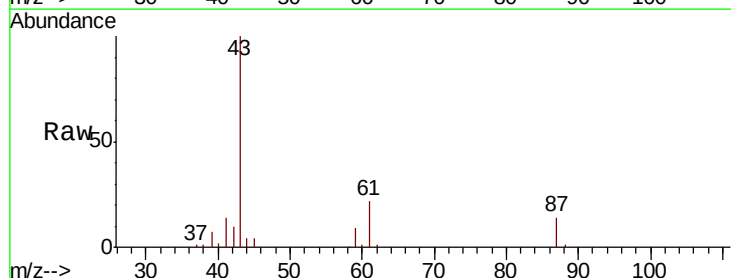
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 20.7 16.7 25.1

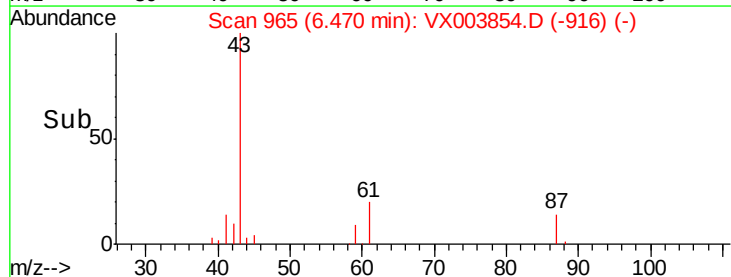
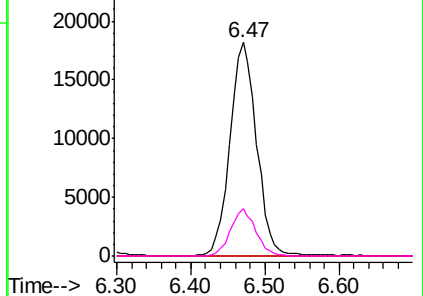


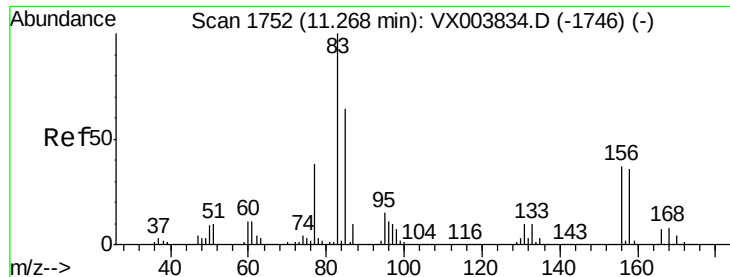
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.10 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VX003854.D

Acq: 03 Aug 2018 17:47

Instrument :

MSVOA_X

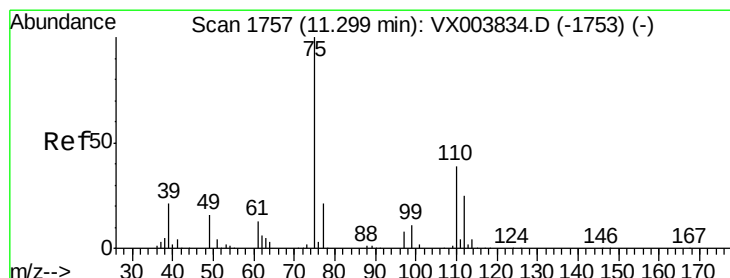
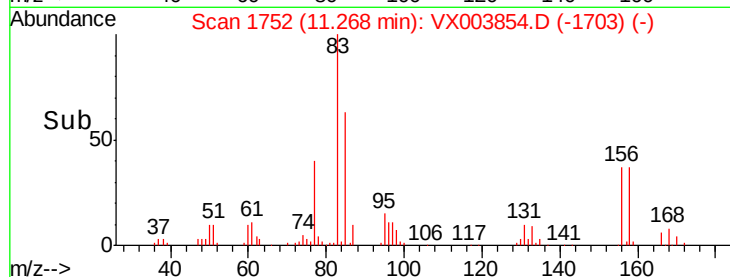
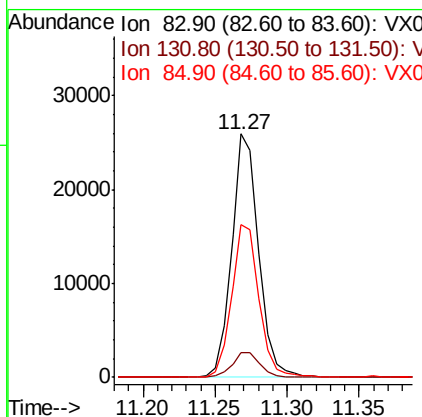
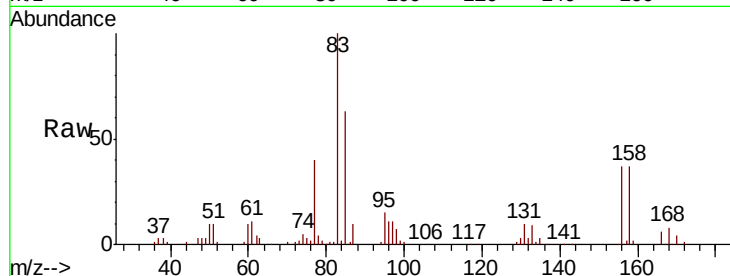
ClientSampleId :

VX0805MBS01

Tot Ion:	83	Resp:	33997
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.3	15.9
85	63.8	32.1	96.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.26 ug/l m

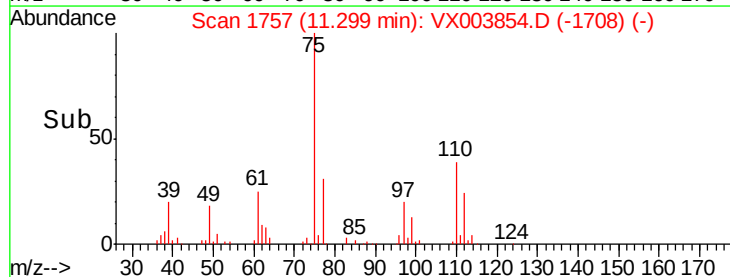
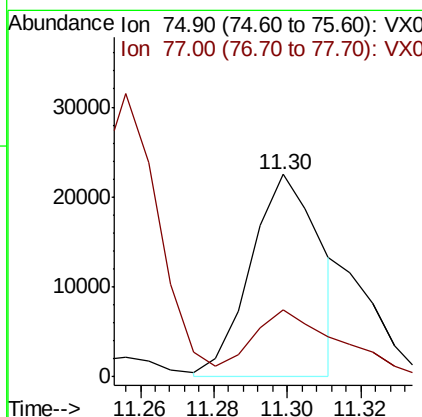
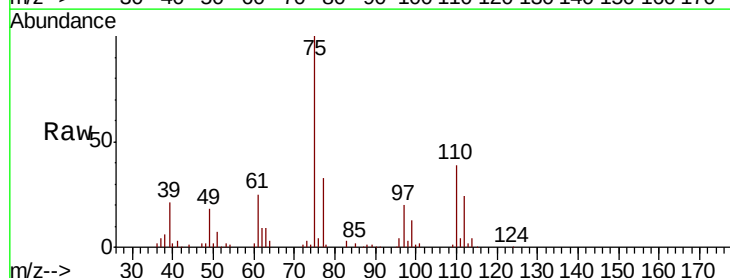
RT: 11.30 min Scan# 1757

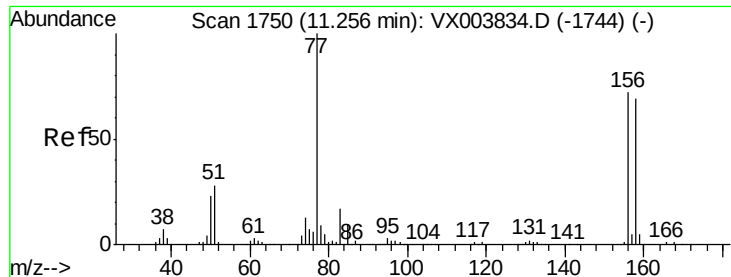
Delta R.T. 0.00 min

Lab File: VX003854.D

Acq: 03 Aug 2018 17:47

Tgt Ion:	75	Resp:	29561
Ion Ratio	Lower	Upper	
75	100		
77	41.9	21.1	63.3





#77

Bromobenzene

Concen: 21.03 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003854.D

Acq: 03 Aug 2018 17:47

Instrument :

MSVOA_X

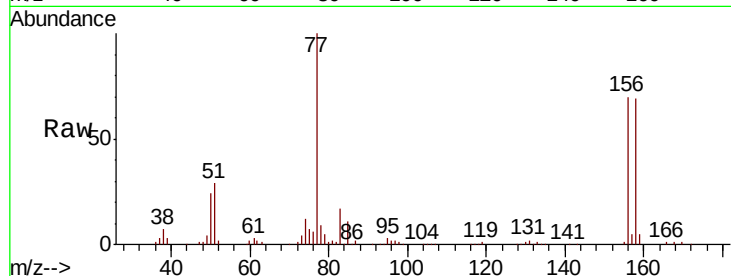
ClientSampleId :

VX0805MBS01

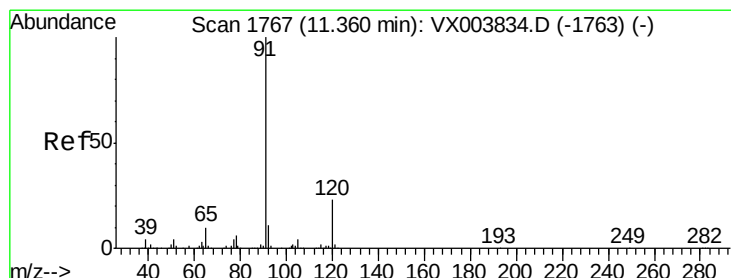
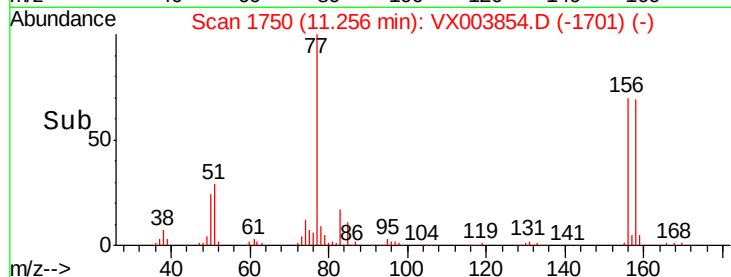
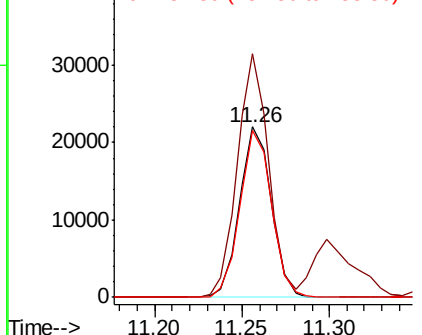
Tot Ion:	156	Resp:	27851
Ion	Ratio	Lower	Upper
156	100		
77	140.1	69.0	206.9
158	97.1	48.1	144.4

Manual Integrations
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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.96 ug/l

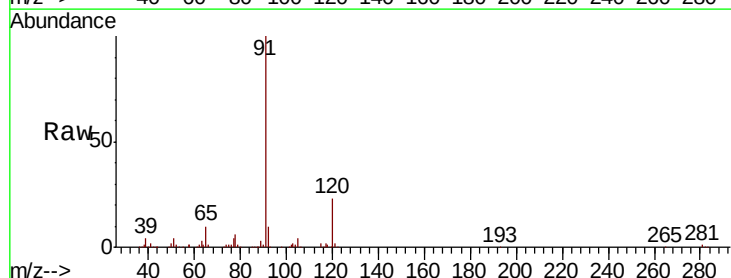
RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

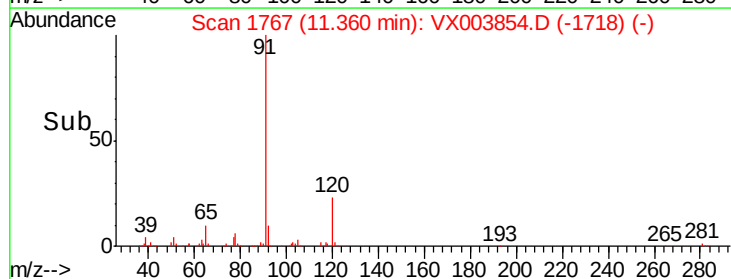
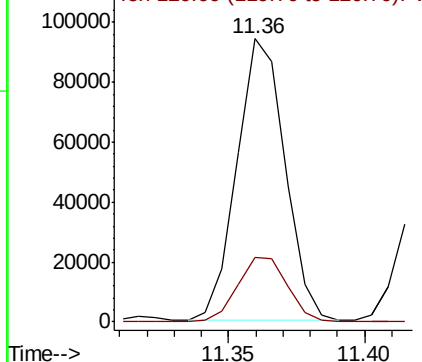
Lab File: VX003854.D

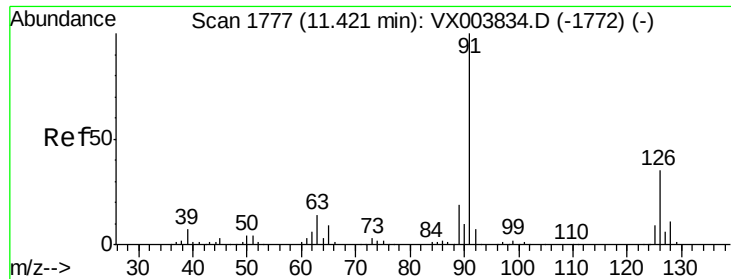
Acq: 03 Aug 2018 17:47

Tgt Ion:	91	Resp:	115309
Ion	Ratio	Lower	Upper
91	100		
120	23.9	12.1	36.3



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.12 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. 0.00 min

Lab File: VX003854.D

Acq: 03 Aug 2018 17:47

Instrument :

MSVOA_X

ClientSampled :

VX0805MBS01

Tot Ion: 91 Resp: 68590

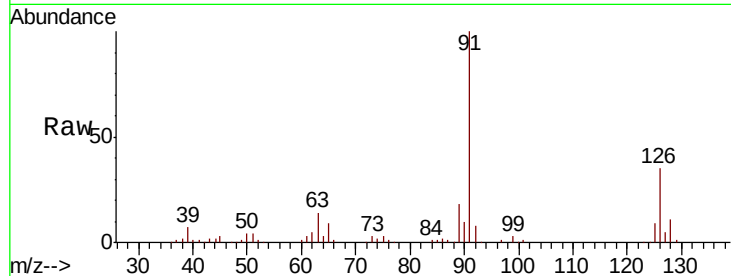
Ion Ratio Lower Upper

91 100

126 36.2 17.9 53.7

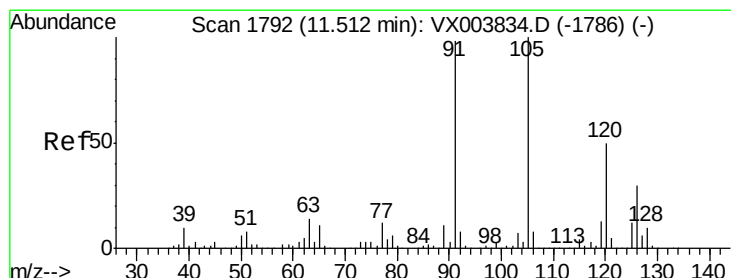
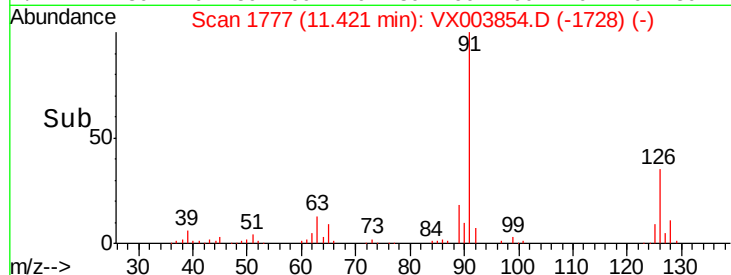
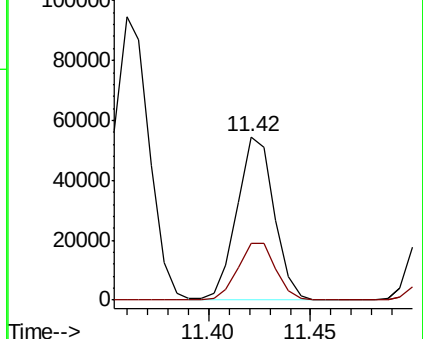
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 22.00 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX003854.D

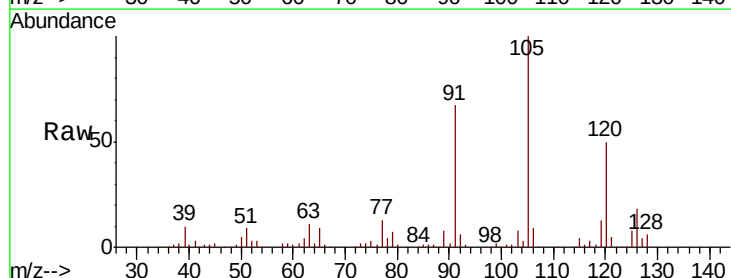
Acq: 03 Aug 2018 17:47

Tgt Ion:105 Resp: 85677

Ion Ratio Lower Upper

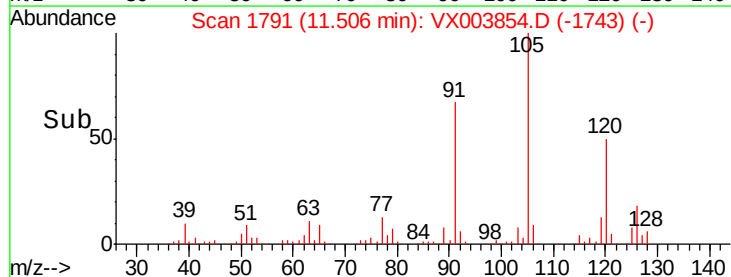
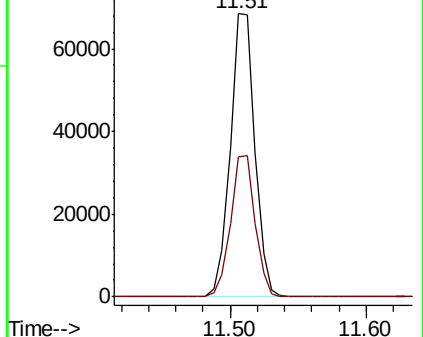
105 100

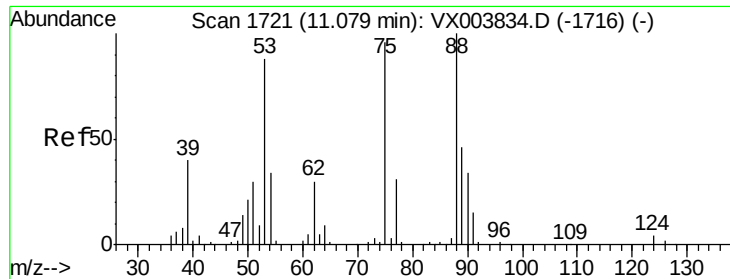
120 49.9 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





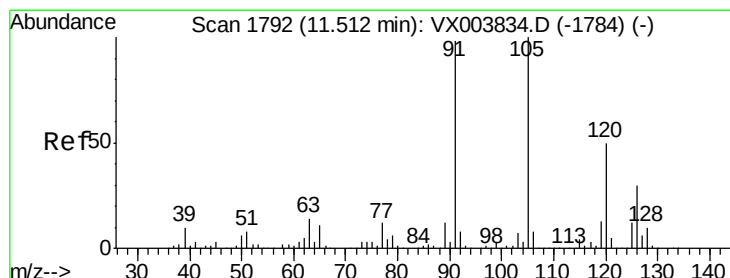
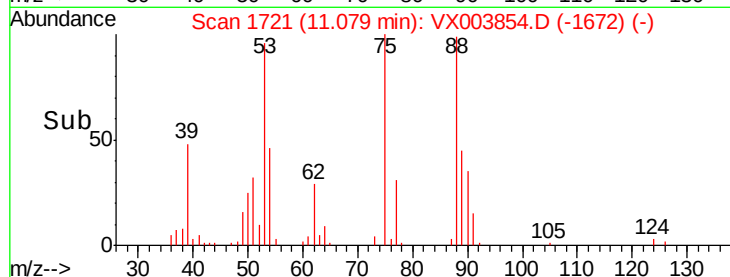
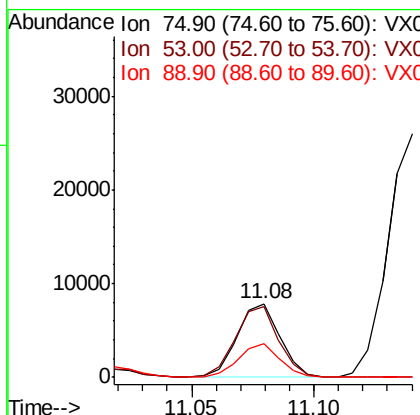
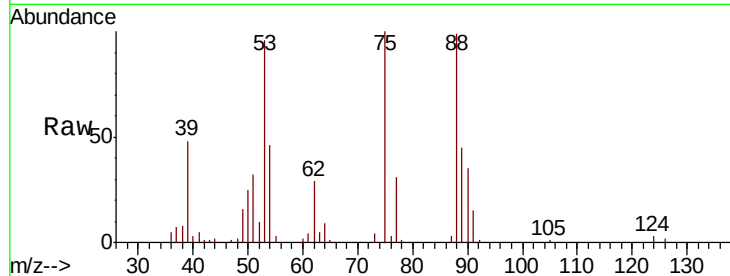
#81
trans-1,4-Dichloro-2-butene
Concen: 20.65 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX003854.D
Acq: 03 Aug 2018 17:47

Instrument :
MSVOA_X
ClientSampled :
VX0805MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.3	74.9	112.3
89	44.4	36.6	54.8

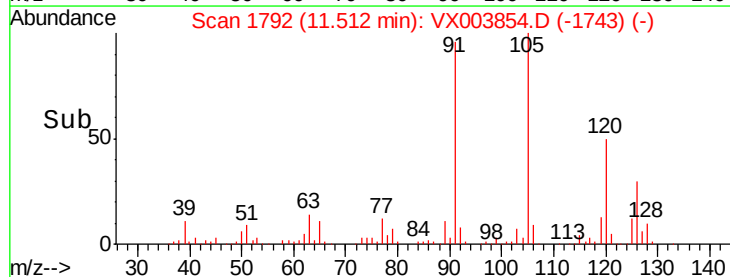
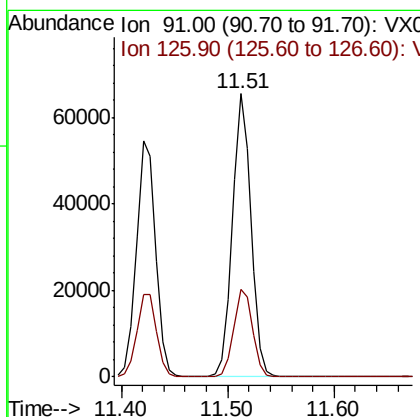
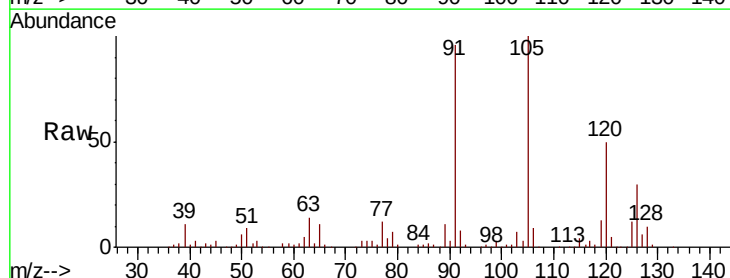
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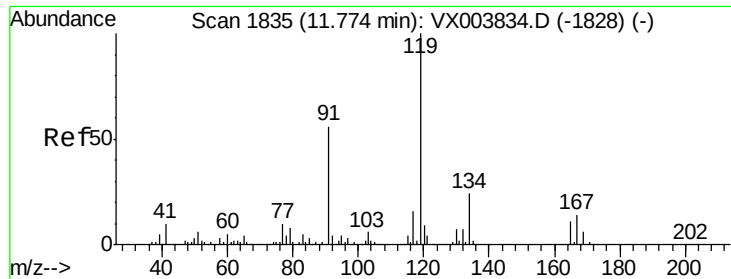
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#82
4-Chlorotoluene
Concen: 21.43 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003854.D
Acq: 03 Aug 2018 17:47

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.5	16.0	47.9





#83

tert-Butylbenzene

Concen: 21.55 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX003854.D

Acq: 03 Aug 2018 17:47

Instrument :

MSVOA_X

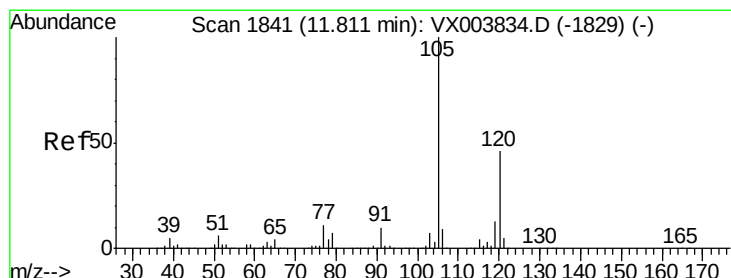
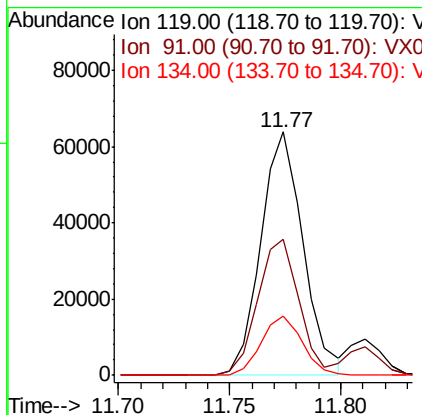
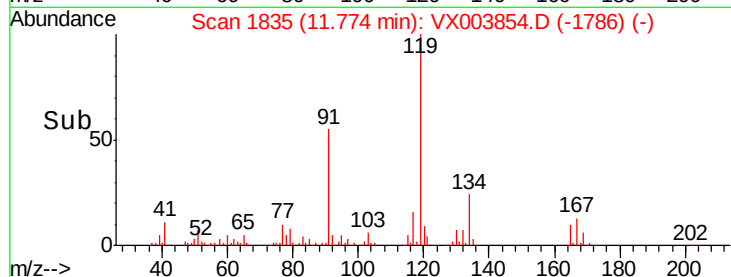
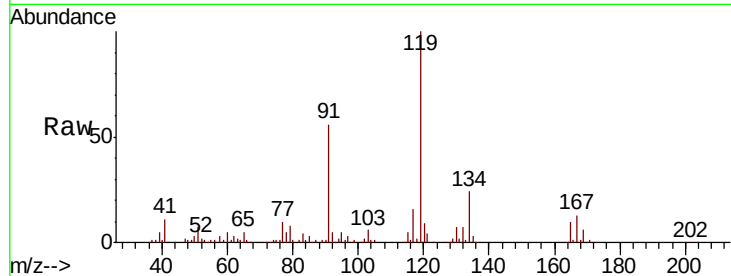
ClientSampleId :

VX0805MBS01

Tot Ion:	119	Resp:	84401
Ion Ratio	Lower	Upper	
119	100		
91	54.2	26.6	79.7
134	23.5	11.6	34.7

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#84

1,2,4-Trimethylbenzene

Concen: 21.83 ug/l

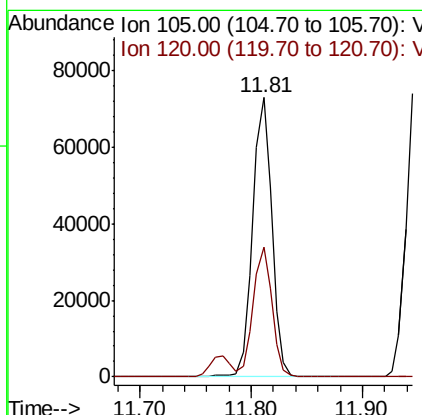
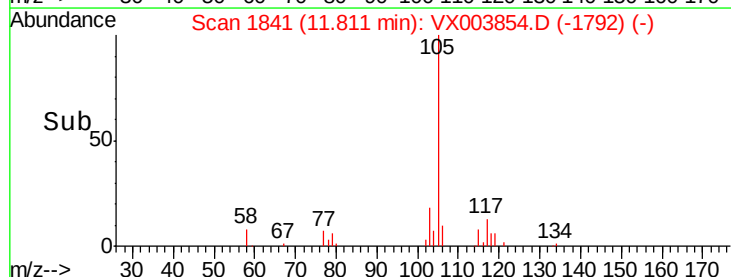
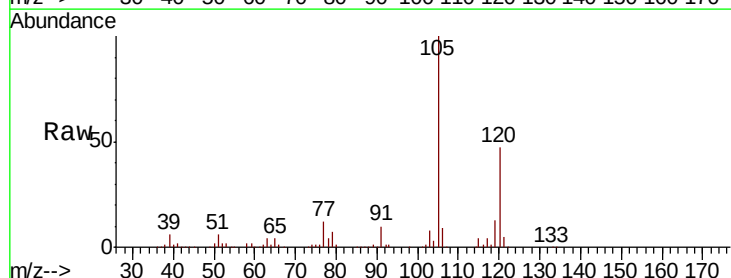
RT: 11.81 min Scan# 1841

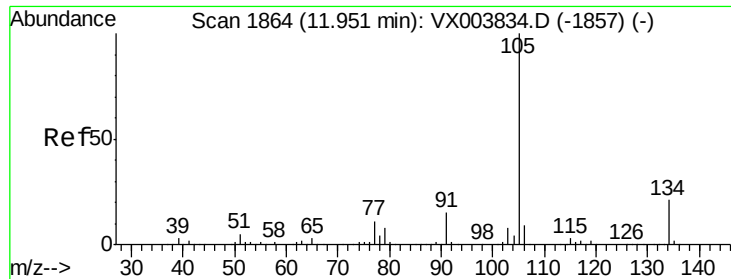
Delta R.T. 0.00 min

Lab File: VX003854.D

Acq: 03 Aug 2018 17:47

Tgt Ion:	105	Resp:	87943
Ion Ratio	Lower	Upper	
105	100		
120	45.8	22.9	68.5





#85

sec-Butylbenzene

Concen: 22.07 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003854.D

Acq: 03 Aug 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

VX0805MBS01

Tot Ion:105 Resp: 99845

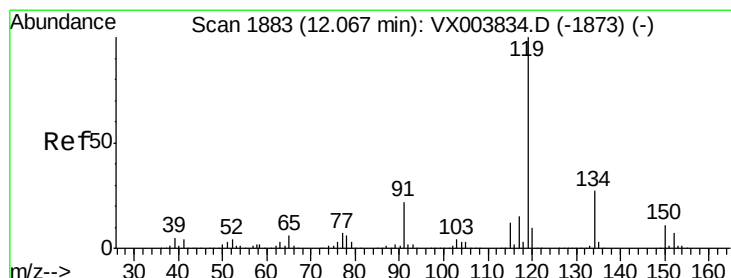
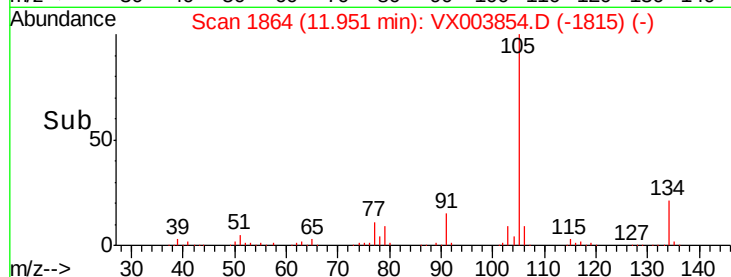
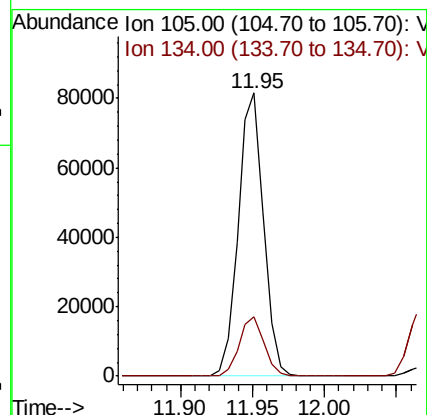
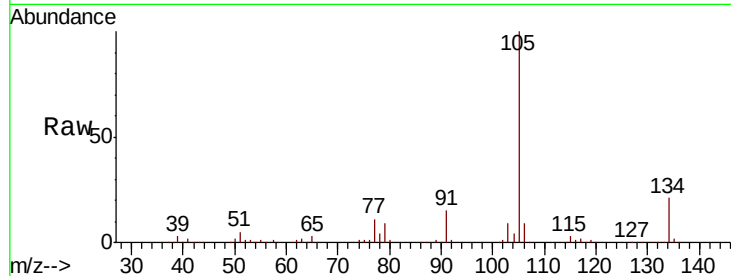
Ion Ratio Lower Upper

105 100

134 20.7 10.4 31.4

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#86

p-Isopropyltoluene

Concen: 21.98 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003854.D

Acq: 03 Aug 2018 17:47

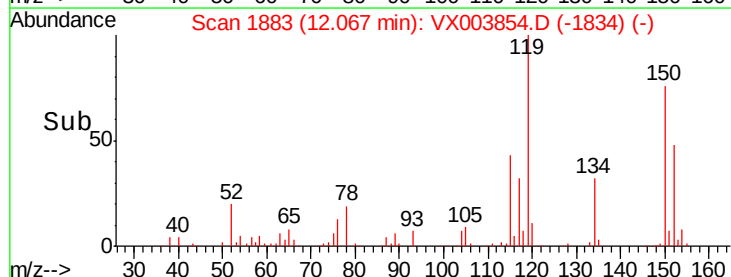
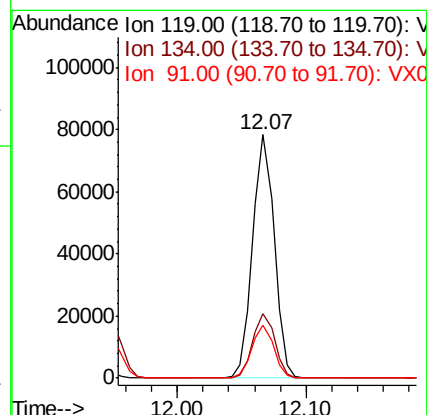
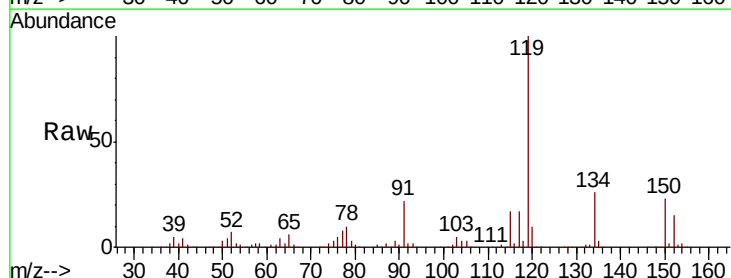
Tgt Ion:119 Resp: 90103

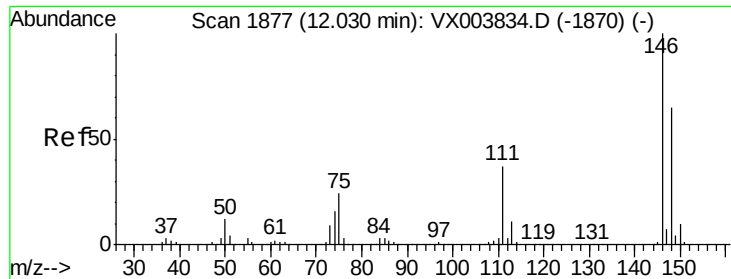
Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

91 22.1 11.1 33.1





#87

1,3-Dichlorobenzene

Concen: 20.48 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX003854.D

Acq: 03 Aug 2018 17:47

Instrument :

MSVOA_X

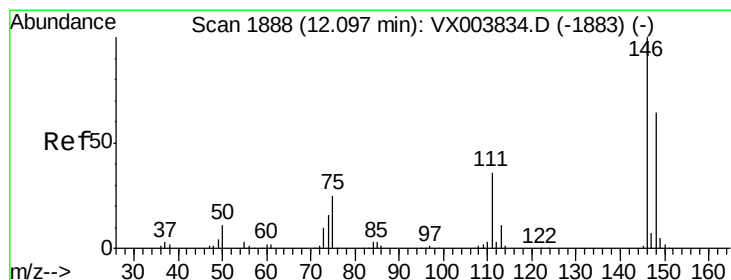
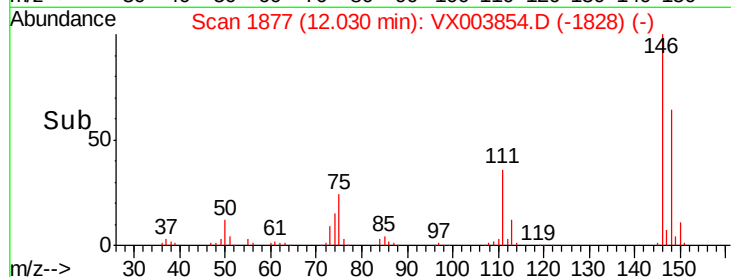
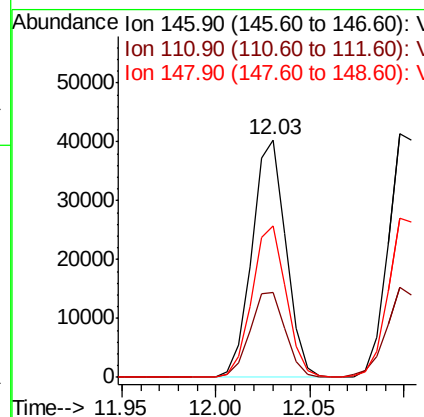
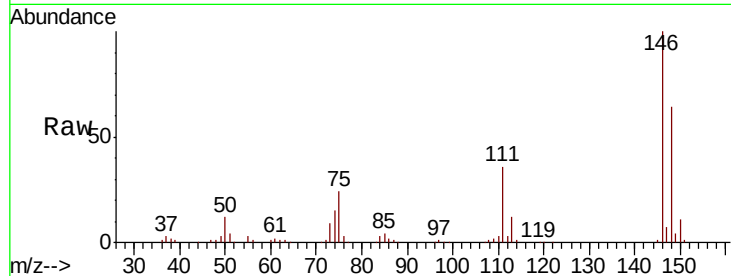
ClientSampleId :

VX0805MBS01

Tot Ion:	146	Resp:	50421
Ion Ratio	Lower	Upper	
146	100		
111	37.3	18.8	56.4
148	64.0	32.2	96.6

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#88

1,4-Dichlorobenzene

Concen: 20.31 ug/l

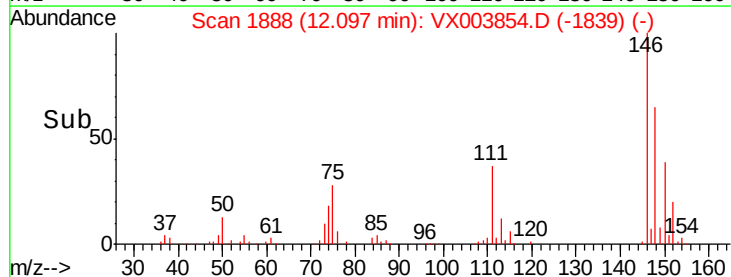
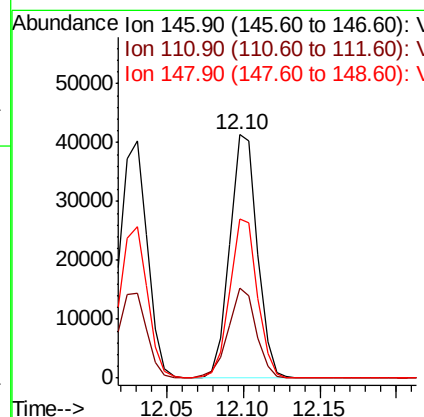
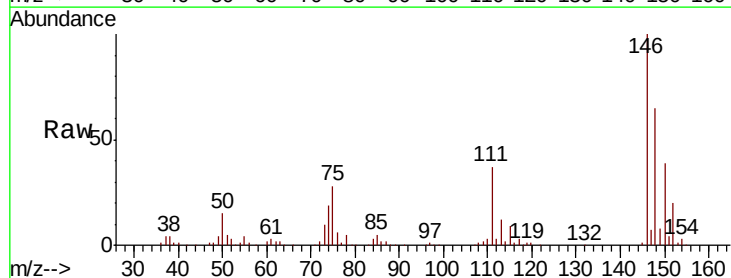
RT: 12.10 min Scan# 1888

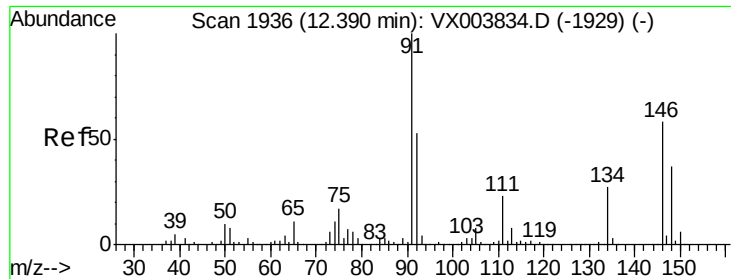
Delta R.T. 0.00 min

Lab File: VX003854.D

Acq: 03 Aug 2018 17:47

Tgt Ion:	146	Resp:	51688
Ion Ratio	Lower	Upper	
146	100		
111	37.3	18.1	54.3
148	65.5	32.1	96.5





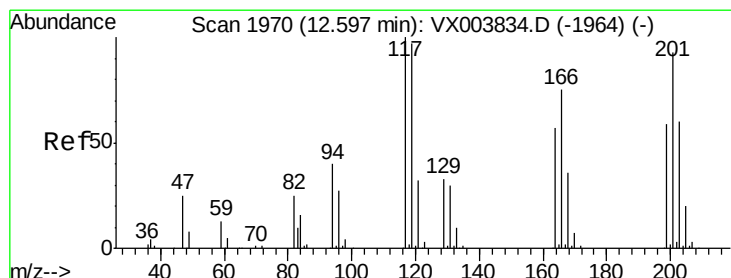
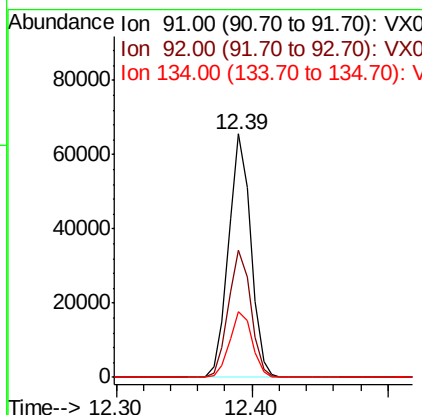
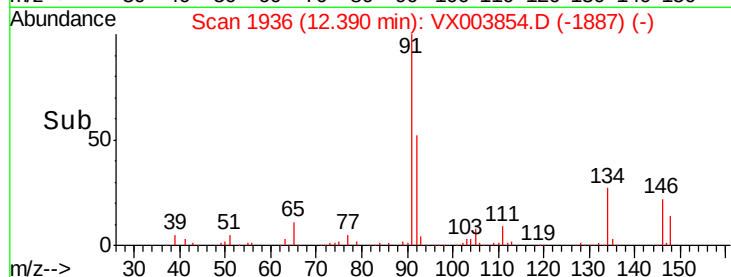
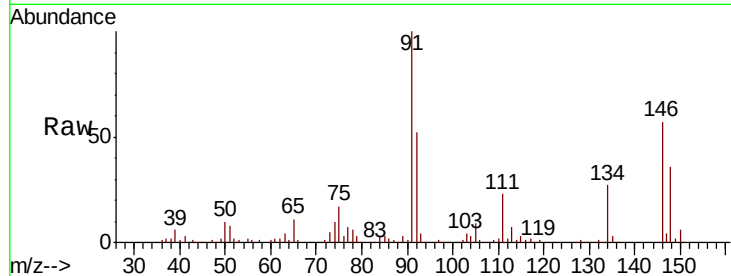
#89
n-Butylbenzene
Concen: 21.21 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003854.D
Acq: 03 Aug 2018 17:47

Instrument :
MSVOA_X
ClientSampleId :
VX0805MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.3	78.9
134	27.4	13.7	41.0

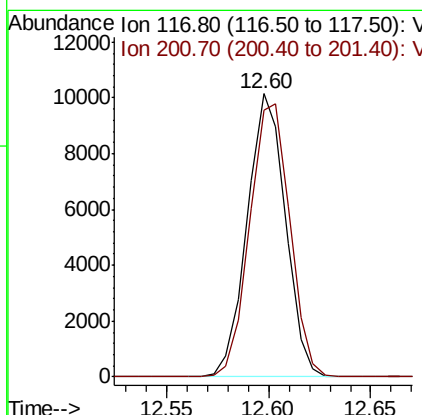
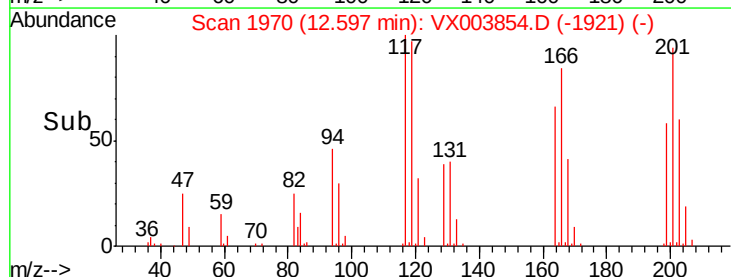
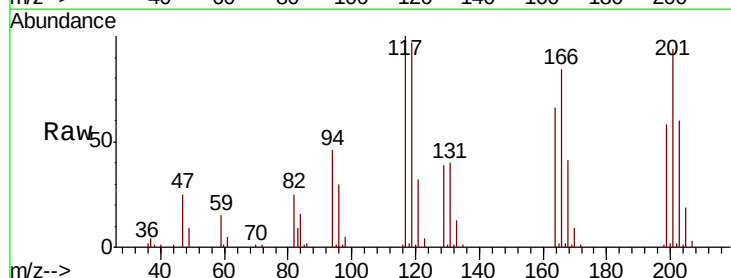
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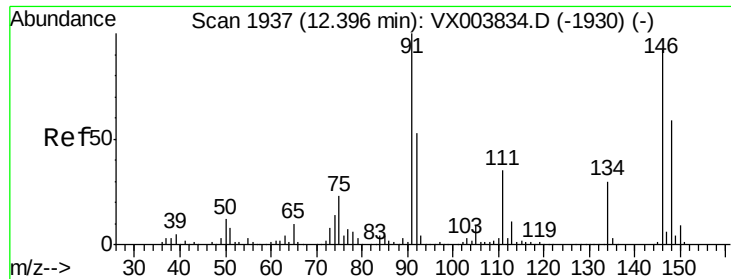
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#90
Hexachloroethane
Concen: 19.92 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003854.D
Acq: 03 Aug 2018 17:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	101.2	49.9	149.6





#91

1,2-Dichlorobenzene

Concen: 20.27 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX003854.D

Acq: 03 Aug 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

VX0805MBS01

Tot Ion:146 Resp: 50987

Ion Ratio Lower Upper

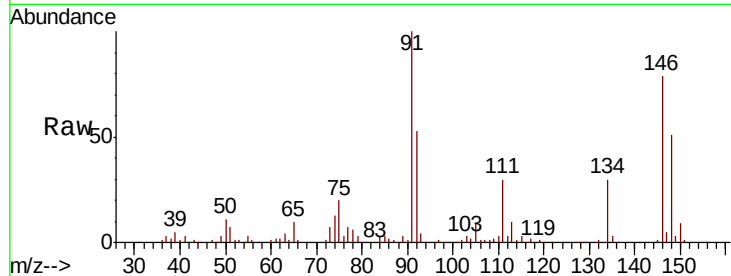
146 100

111 39.0 19.1 57.5

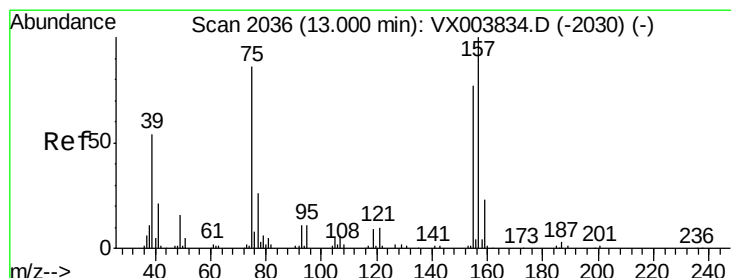
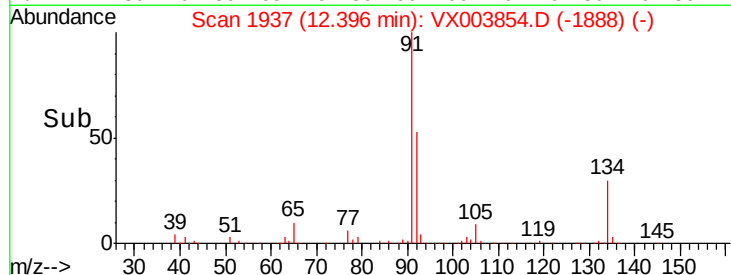
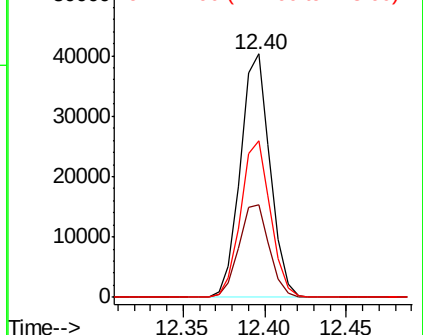
148 64.7 32.0 96.2

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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.59 ug/l

RT: 13.00 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VX003854.D

Acq: 03 Aug 2018 17:47

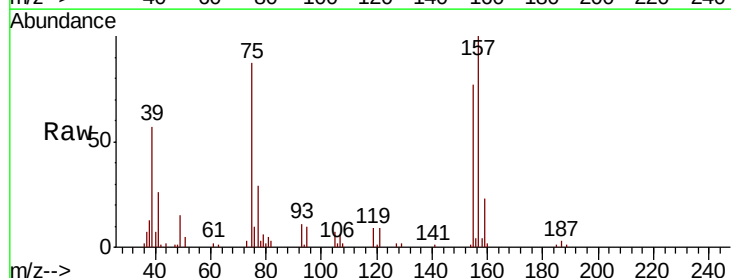
Tgt Ion: 75 Resp: 6950

Ion Ratio Lower Upper

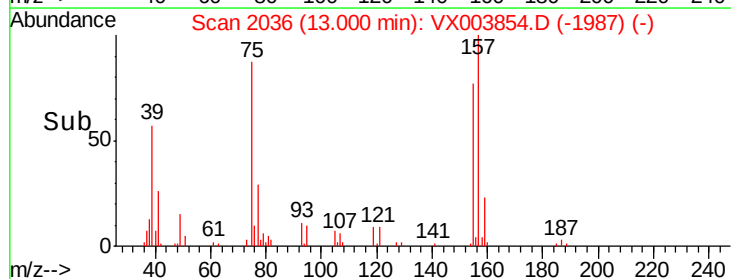
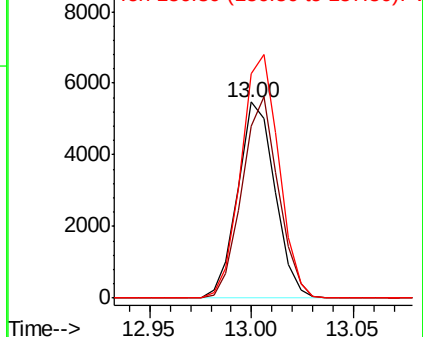
75 100

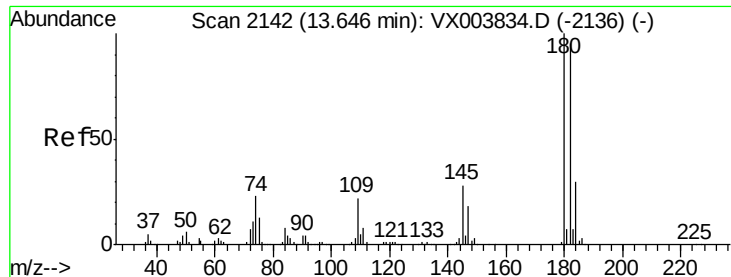
155 100.4 49.5 148.3

157 125.6 64.5 193.5



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





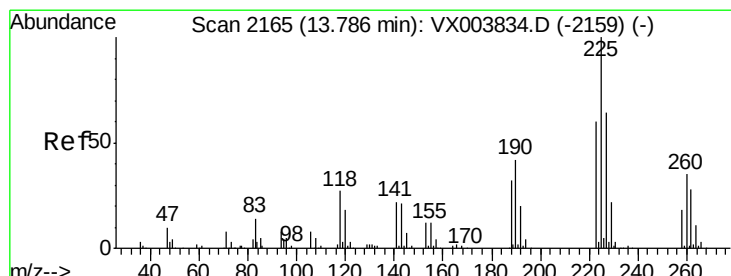
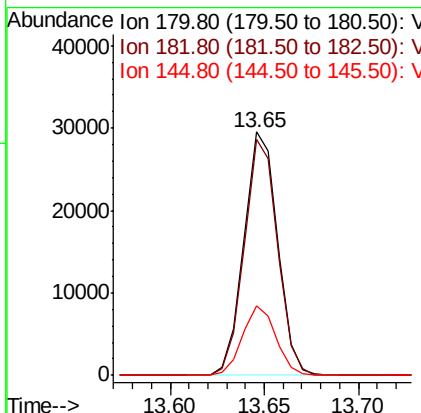
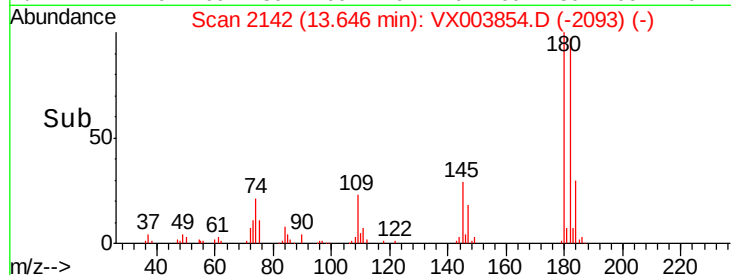
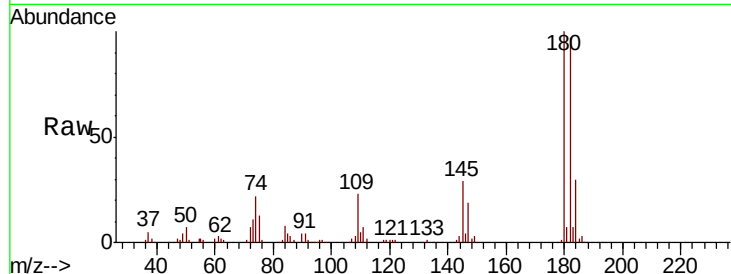
#93
 1,2,4-Trichlorobenzene
 Concen: 20.54 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VX003854.D
 Acq: 03 Aug 2018 17:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0805MBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.6	142.9
145	28.1	13.8	41.3

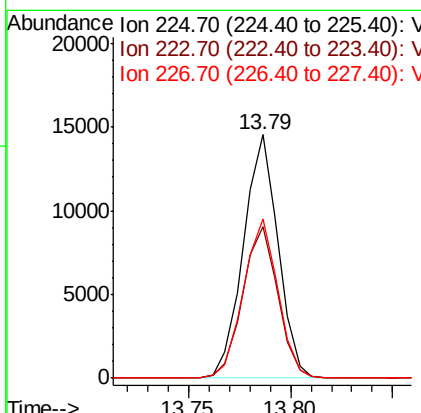
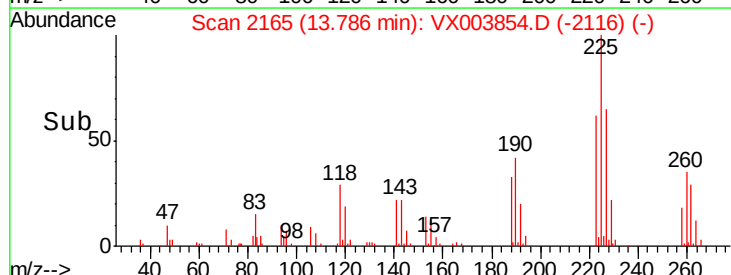
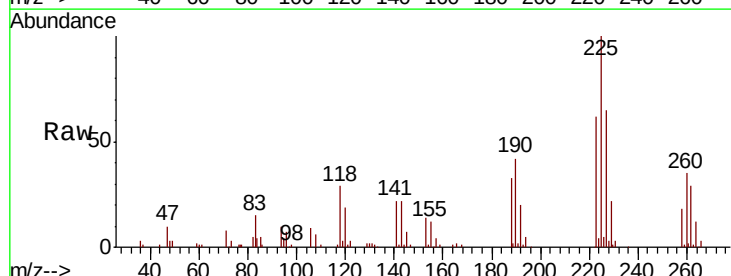
Manual Integrations
 APPROVED

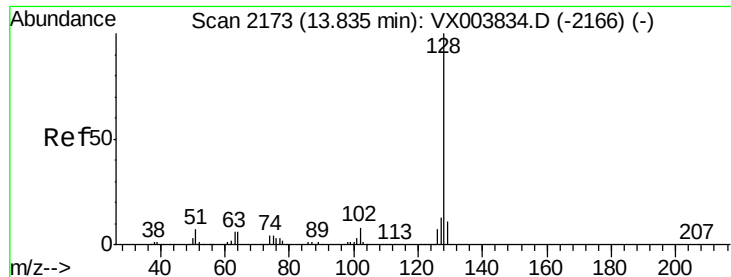
MMDadoda
 8/6/2018 10:47:32 AM



#94
 Hexachlorobutadiene
 Concen: 20.37 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003854.D
 Acq: 03 Aug 2018 17:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	30.4	91.3
227	65.2	32.2	96.6





#95

Naphthalene

Concen: 20.86 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX003854.D

Acq: 03 Aug 2018 17:47

Instrument :

MSVOA_X

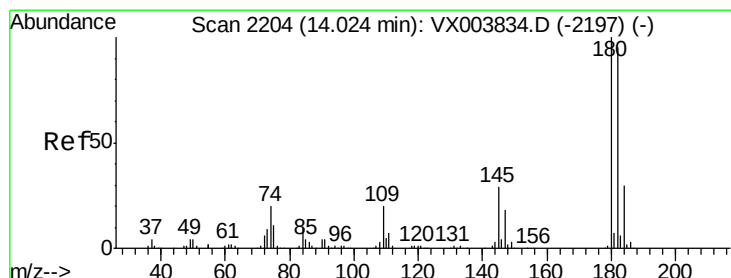
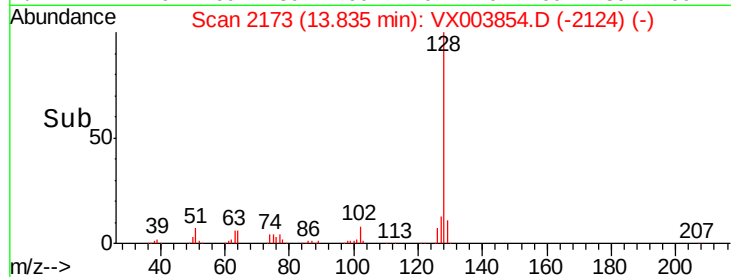
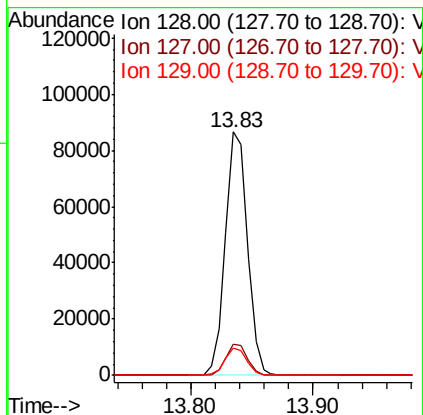
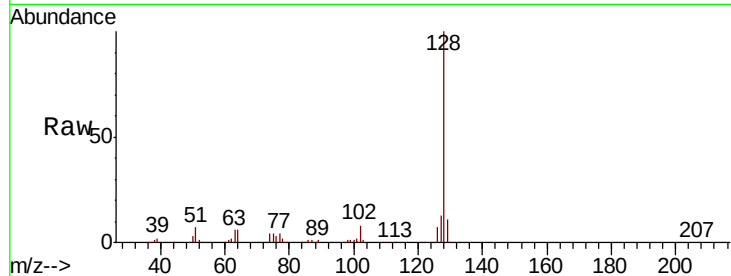
ClientSampleId :

VX0805MBS01

Tot Ion:	128	Resp:	108257
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.2	15.4
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/6/2018 10:47:32 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.24 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003854.D

Acq: 03 Aug 2018 17:47

Tgt Ion:	180	Resp:	37536
Ion Ratio	Lower	Upper	
180	100		
182	96.3	47.8	143.4
145	30.0	14.6	44.0

