

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083118\
 Data File : VX004336.D
 Acq On : 31 Aug 2018 19:40
 Operator : JC/MD
 Sample : VX0831WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831WBS02

Manual Integrations
 APPROVED

MMDadoda
 9/4/2018 12:10:57 PM

Quant Time: Sep 01 05:26:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	224691	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	359706	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	355404	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	216341	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	168980	57.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.40%	
35) Dibromofluoromethane	5.49	113	141227	52.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.56%	
50) Toluene-d8	8.71	98	512208	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	
62) 4-Bromofluorobenzene	11.14	95	195964	52.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	34382	13.21	ug/l	98
3) Chloromethane	1.32	50	61858	21.67	ug/l	100
4) Vinyl Chloride	1.40	62	56318	19.13	ug/l	99
5) Bromomethane	1.64	94	32289	21.08	ug/l	99
6) Chloroethane	1.72	64	51342	23.65	ug/l	100
7) Trichlorofluoromethane	1.92	101	64744	16.05	ug/l	94
8) Diethyl Ether	2.18	74	41330	23.92	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	33940	13.43	ug/l	97
10) Methyl Iodide	2.51	142	56456	22.38	ug/l	99
11) Tert butyl alcohol	3.07	59	78606	125.92	ug/l	99
12) 1,1-Dichloroethene	2.37	96	44808	18.82	ug/l	97
13) Acrolein	2.29	56	16661	110.70	ug/l	96
14) Allyl chloride	2.72	41	100158	22.90	ug/l	97
15) Acrylonitrile	3.15	53	192199	124.32	ug/l	99
16) Acetone	2.45	43	157235	127.57	ug/l	100
17) Carbon Disulfide	2.56	76	110701	17.28	ug/l	98
18) Methyl Acetate	2.78	43	137516	31.64	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	192455	24.53	ug/l	95
20) Methylene Chloride	2.86	84	65570	23.26	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	54154	20.55	ug/l	97
22) Diisopropyl ether	3.87	45	200896	24.60	ug/l	99
23) Vinyl Acetate	3.82	43	767019	115.90	ug/l	99
24) 1,1-Dichloroethane	3.70	63	110770	23.28	ug/l	99
25) 2-Butanone	4.70	43	251148	126.58	ug/l	100
26) 1,2-Dichloropropane	4.58	77	74684	20.01	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	68615	22.96	ug/l	97
28) Bromochloromethane	5.02	49	55176	26.19	ug/l	95
29) Tetrahydrofuran	5.16	42	157471	125.15	ug/l	99
30) Chloroform	5.21	83	112236	23.52	ug/l	99
31) Cyclohexane	5.57	56	58408	14.23	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	81638	20.52	ug/l	99
36) 1,1-Dichloropropene	5.79	75	69428	17.17	ug/l	99
37) Ethyl Acetate	4.86	43	87875	22.10	ug/l	100
38) Carbon Tetrachloride	5.78	117	64424	16.94	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083118\
 Data File : VX004336.D
 Acq On : 31 Aug 2018 19:40
 Operator : JC/MD
 Sample : VX0831WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0831WBS02

Manual Integrations
 APPROVED

MMDadoda
 9/4/2018 12:10:57 PM

Quant Time: Sep 01 05:26:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	52806	11.44	ug/l	95
40) Benzene	6.14	78	252924	20.93	ug/l	99
41) Methacrylonitrile	5.06	41	53177	23.07	ug/l	99
42) 1,2-Dichloroethane	6.20	62	90252	21.90	ug/l	99
43) Isopropyl Acetate	6.46	43	135122	22.11	ug/l	100
44) Trichloroethene	7.21	130	63144	18.88	ug/l	93
45) 1,2-Dichloropropane	7.51	63	67201	22.22	ug/l	99
46) Dibromomethane	7.67	93	42803	21.26	ug/l	98
47) Bromodichloromethane	7.90	83	80048	21.36	ug/l	98
48) Methyl methacrylate	7.78	41	71960	22.01	ug/l	99
49) 1,4-Dioxane	7.76	88	34454	464.07	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	478948	107.86	ug/l	99
52) Toluene	8.79	92	156941	20.75	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	86344	20.86	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	98118	21.77	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	69254	22.68	ug/l	99
56) Ethyl methacrylate	9.18	69	91960	22.12	ug/l	99
57) 1,3-Dichloropropane	9.37	76	116903	22.71	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	252080	118.36	ug/l	99
59) 2-Hexanone	9.50	43	365173	107.80	ug/l	99
60) Dibromochloromethane	9.59	129	62986	21.17	ug/l	100
61) 1,2-Dibromoethane	9.67	107	70197	22.22	ug/l	98
64) Tetrachloroethene	9.34	164	62046	17.67	ug/l	97
65) Chlorobenzene	10.14	112	177089	19.85	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.22	131	62918	20.45	ug/l	100
67) Ethyl Benzene	10.25	91	275510	19.02	ug/l	97
68) m/p-Xylenes	10.36	106	217629	38.42	ug/l	99
69) o-Xylene	10.70	106	107757	20.11	ug/l	99
70) Styrene	10.71	104	181988	20.98	ug/l	99
71) Bromoform	10.86	173	47299	19.07	ug/l	99
73) Isopropylbenzene	11.02	105	277697	19.54	ug/l	100
74) N-amyl acetate	10.90	43	113053	20.66	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	105307	21.18	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	96064m	21.83	ug/l	
77) Bromobenzene	11.26	156	81903	20.55	ug/l	96
78) n-propylbenzene	11.36	91	316379	19.36	ug/l	99
79) 2-Chlorotoluene	11.42	91	204047	20.29	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	237464	20.18	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	26649	19.65	ug/l	96
82) 4-Chlorotoluene	11.51	91	237528	20.07	ug/l	99
83) tert-Butylbenzene	11.77	119	226698	19.15	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	250534	20.74	ug/l	100
85) sec-Butylbenzene	11.95	105	262584	18.68	ug/l	99
86) p-Isopropyltoluene	12.07	119	245012	19.45	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	150431	20.05	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	155359	19.63	ug/l	99
89) n-Butylbenzene	12.39	91	197791	19.31	ug/l	99
90) Hexachloroethane	12.60	117	32534	18.48	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	155059	22.61	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	17484	19.96	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083118\
Data File : VX004336.D
Acq On : 31 Aug 2018 19:40
Operator : JC/MD
Sample : VX0831WBS02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0831WBS02

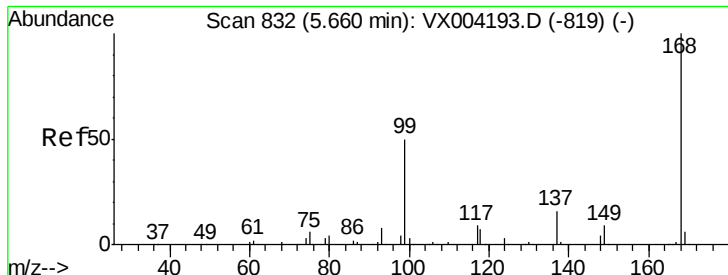
Manual Integrations
APPROVED

MMDadoda
9/4/2018 12:10:57 PM

Quant Time: Sep 01 05:26:37 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 23 05:39:44 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	103922	20.82	ug/l	97
94) Hexachlorobutadiene	13.79	225	43720	18.75	ug/l	96
95) Naphthalene	13.83	128	315665	22.36	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	111261	21.06	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. 0.00 min

Lab File: VX004336.D

Acq: 31 Aug 2018 19:40

Instrument :

MSVOA_X

ClientSampled :

VX0831WBS02

Tot Ion:168 Resp: 224691

Ion Ratio Lower Upper

168 100

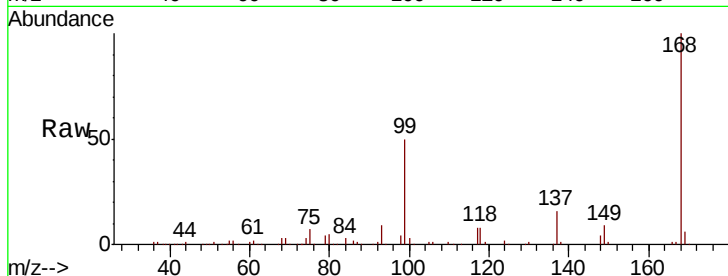
99 50.3 39.9 59.9

Manual Integrations

APPROVED

MMDadoda

9/4/2018 12:10:57 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

80000

60000

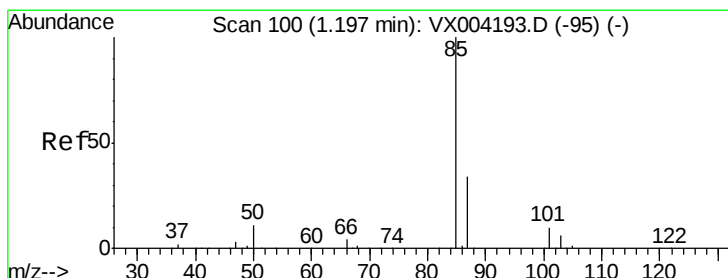
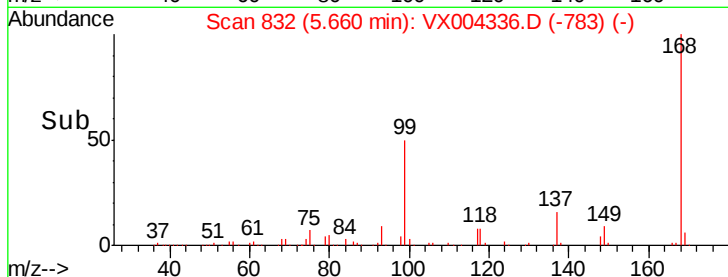
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 13.21 ug/l

RT: 1.19 min Scan# 99

Delta R.T. -0.01 min

Lab File: VX004336.D

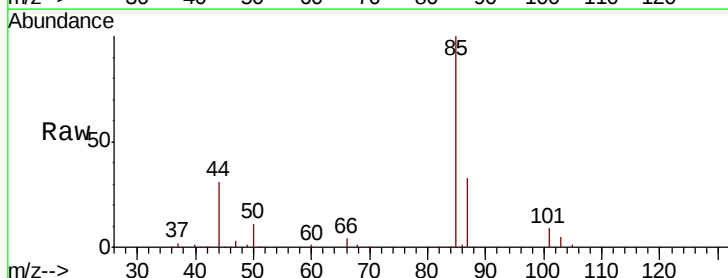
Acq: 31 Aug 2018 19:40

Tgt Ion: 85 Resp: 34382

Ion Ratio Lower Upper

85 100

87 32.6 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

30000

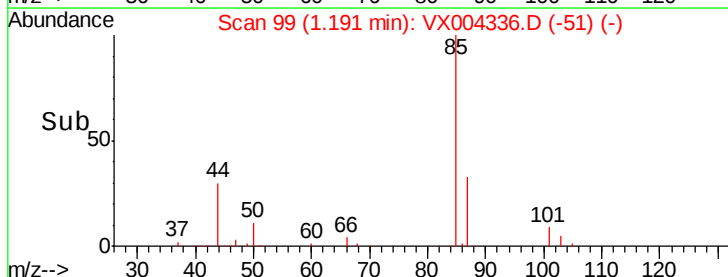
20000

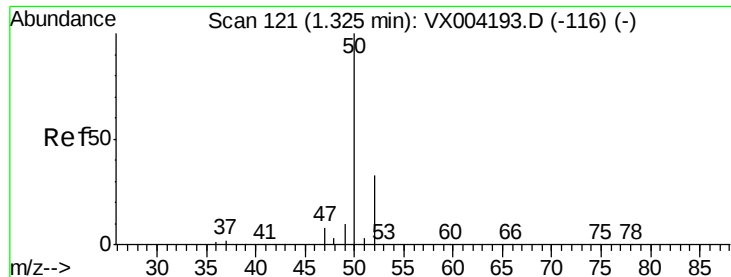
10000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 21.67 ug/l

RT: 1.32 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX004336.D

Acq: 31 Aug 2018 19:40

Instrument :

MSVOA_X

ClientSampled :

VX0831WBS02

Tot Ion: 50 Resp: 61858

Ion Ratio Lower Upper

50 100

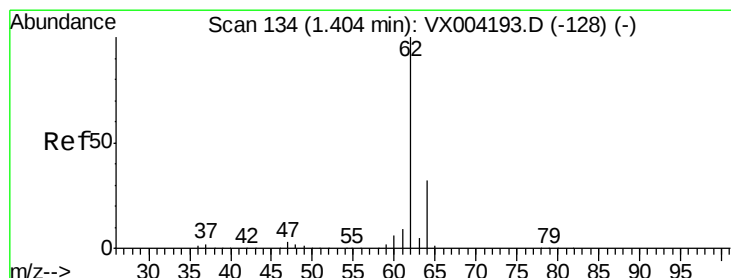
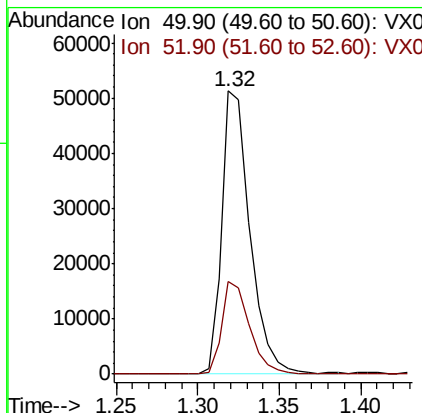
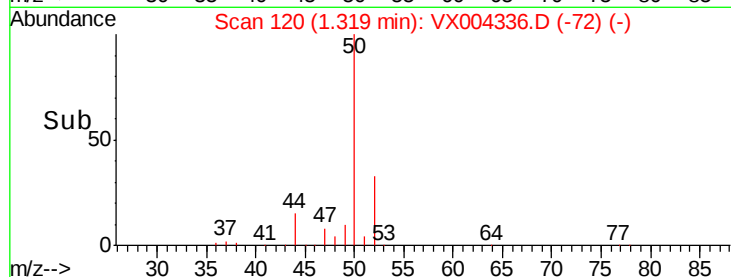
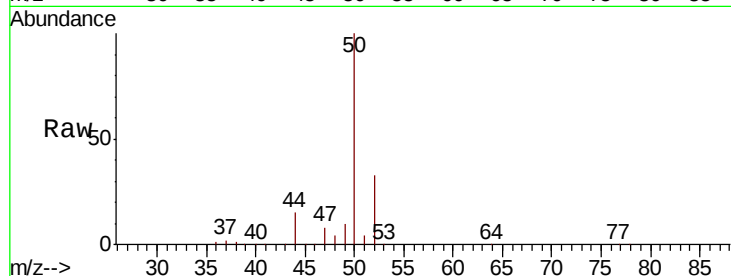
52 32.8 26.2 39.2

Manual Integrations

APPROVED

MMDadoda

9/4/2018 12:10:57 PM



#4

Vinyl Chloride

Concen: 19.13 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX004336.D

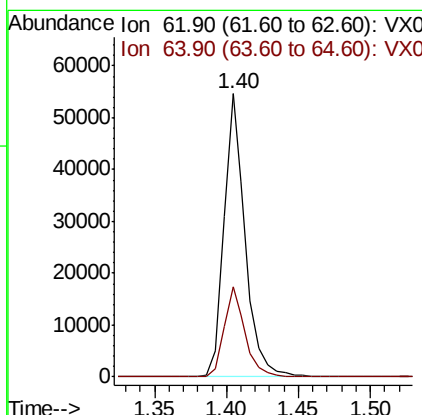
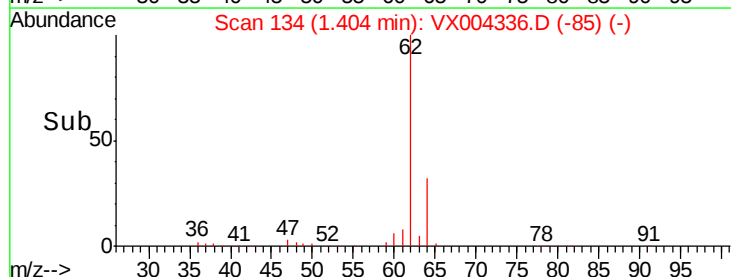
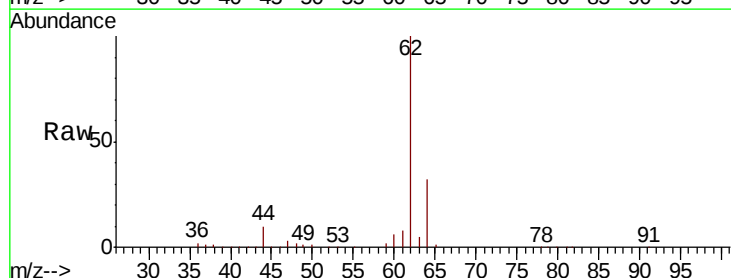
Acq: 31 Aug 2018 19:40

Tgt Ion: 62 Resp: 56318

Ion Ratio Lower Upper

62 100

64 31.9 25.8 38.8





#5

Bromomethane

Concen: 21.08 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004336.D

Acq: 31 Aug 2018 19:40

Instrument :

MSVOA_X

ClientSampleId :

VX0831WBS02

Tot Ion: 94 Resp: 32289

Ion Ratio Lower Upper

94 100

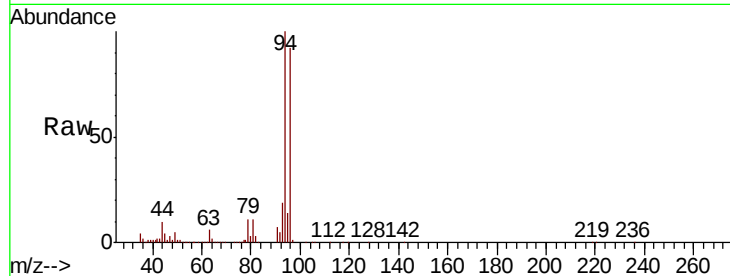
96 91.8 74.5 111.7

Manual Integrations

APPROVED

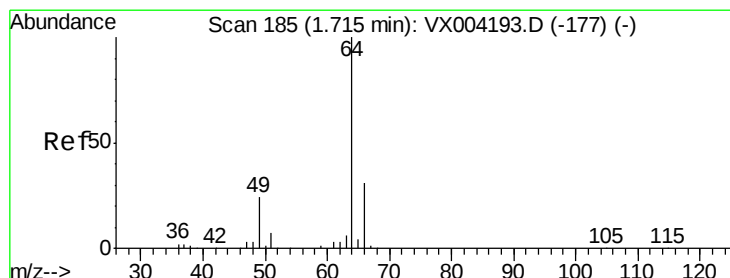
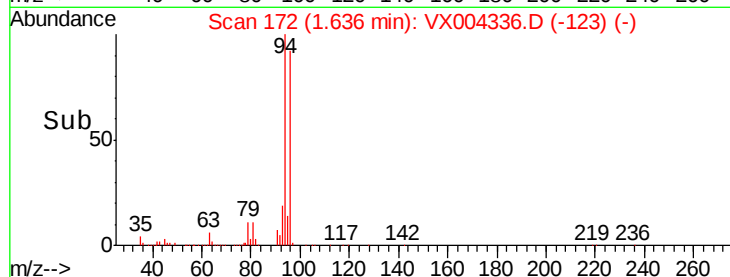
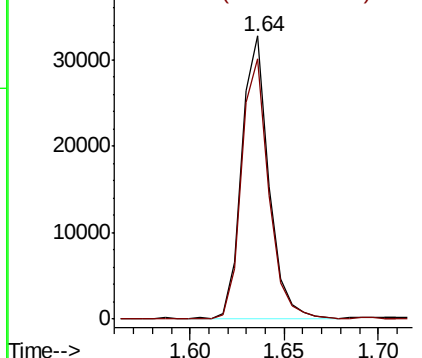
MMDadoda

9/4/2018 12:10:57 PM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 23.65 ug/l

RT: 1.72 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX004336.D

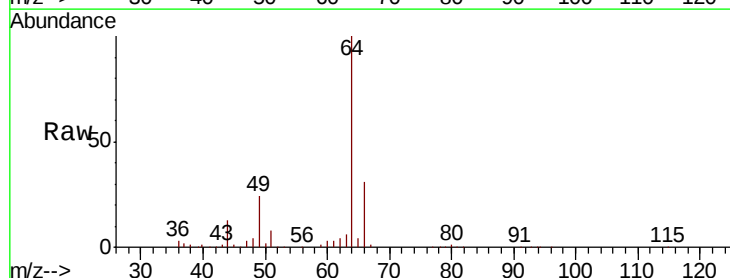
Acq: 31 Aug 2018 19:40

Tgt Ion: 64 Resp: 51342

Ion Ratio Lower Upper

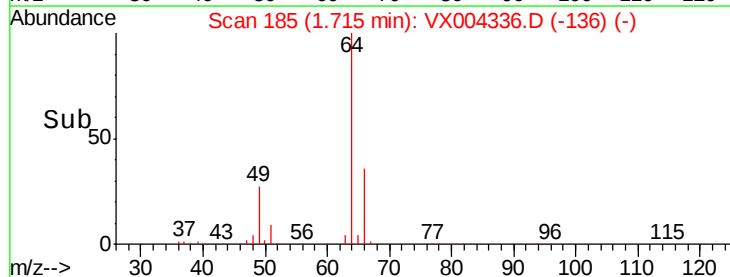
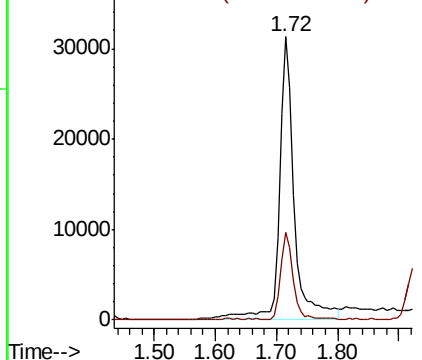
64 100

66 30.8 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

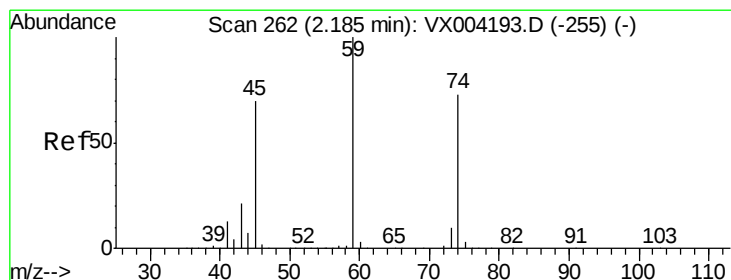
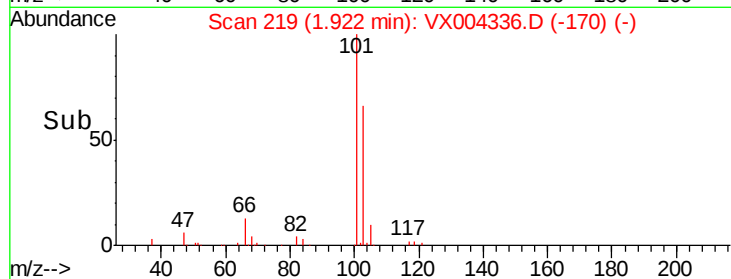
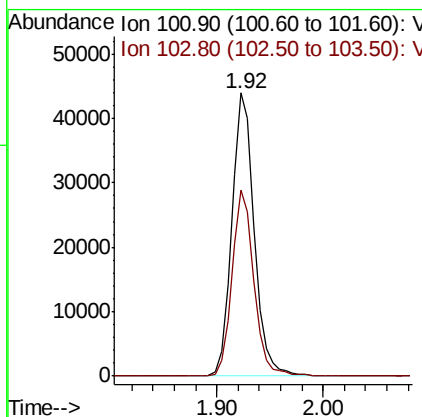
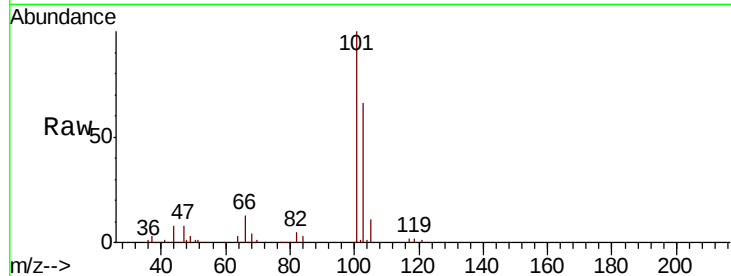
Trichlorofluoromethane
Concen: 16.05 ug/l
RT: 1.92 min Scan# 219
Delta R.T. 0.00 min
Lab File: VX004336.D
Acq: 31 Aug 2018 19:40

Instrument :
MSVOA_X
ClientSampleId :
VX0831WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.9	48.9	73.3

Manual Integrations
APPROVED

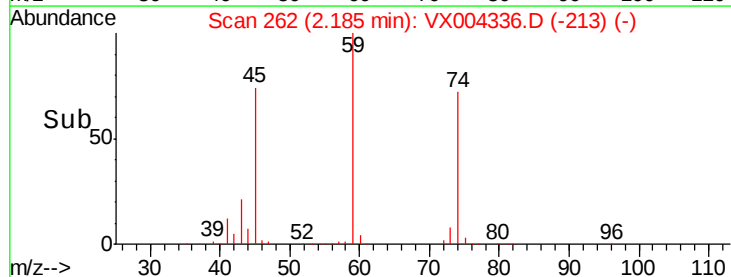
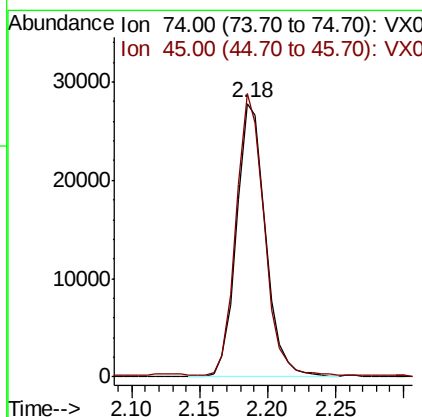
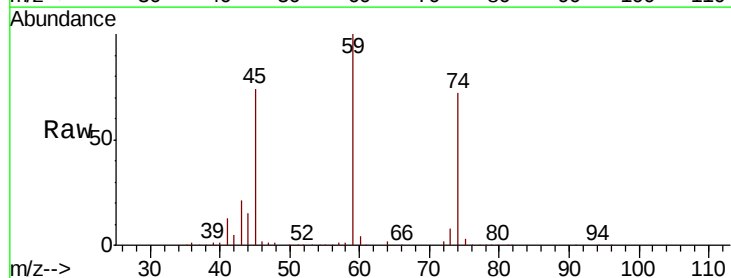
MMDadoda
9/4/2018 12:10:57 PM

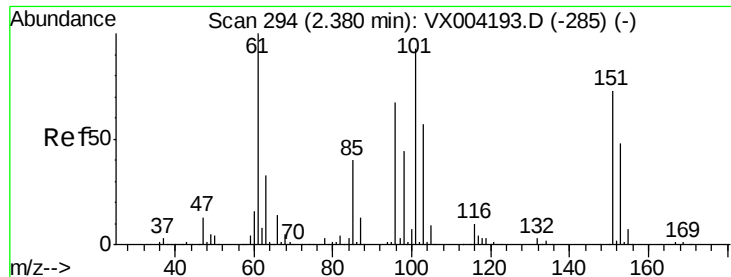


#8

Diethyl Ether
Concen: 23.92 ug/l
RT: 2.18 min Scan# 262
Delta R.T. 0.00 min
Lab File: VX004336.D
Acq: 31 Aug 2018 19:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.8	48.3	144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 13.43 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX004336.D

Acq: 31 Aug 2018 19:40

Instrument :

MSVOA_X

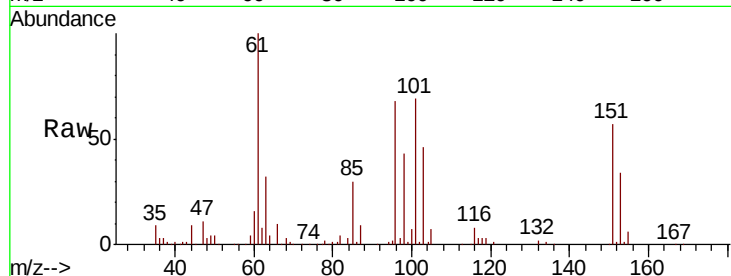
ClientSampleId :

VX0831WBS02

Tot Ion:	101	Resp:	33940
Ion Ratio	Lower	Upper	
101	100		
85	43.9	34.2	51.4
151	84.4	65.0	97.6

Manual Integrations
APPROVED

MMDadoda
9/4/2018 12:10:57 PM

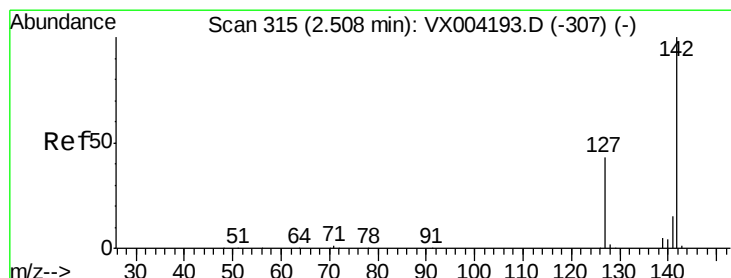
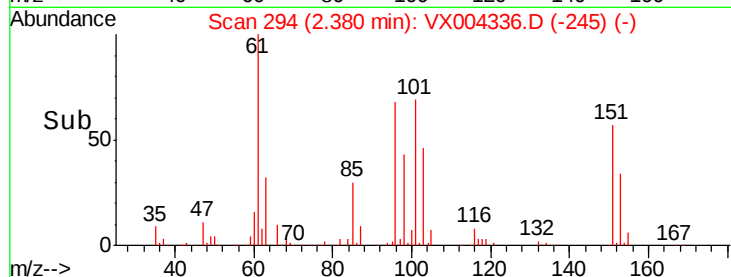
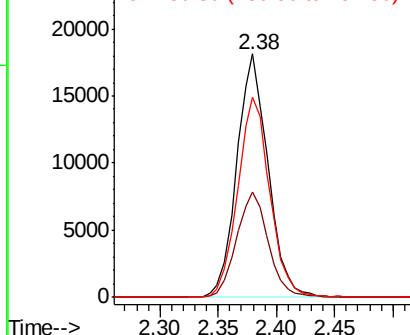


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 22.38 ug/l

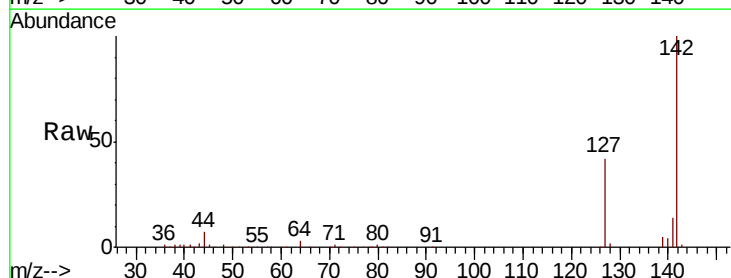
RT: 2.51 min Scan# 315

Delta R.T. 0.00 min

Lab File: VX004336.D

Acq: 31 Aug 2018 19:40

Tgt Ion:	142	Resp:	56456
Ion Ratio	Lower	Upper	
142	100		
127	41.5	33.8	50.6
141	14.1	11.4	17.0

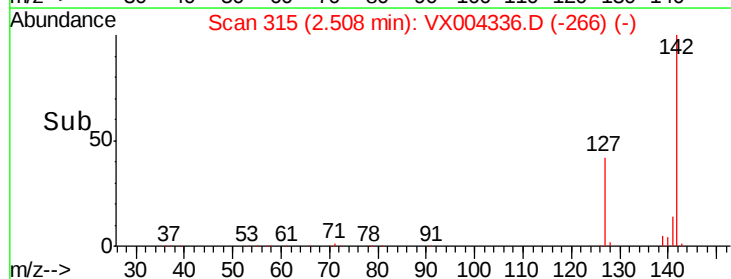
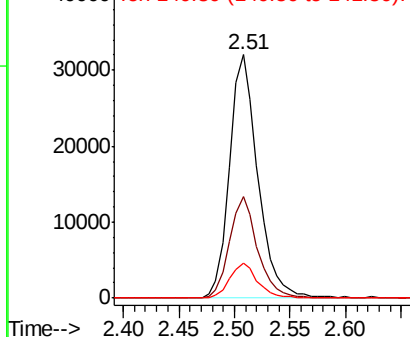


Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





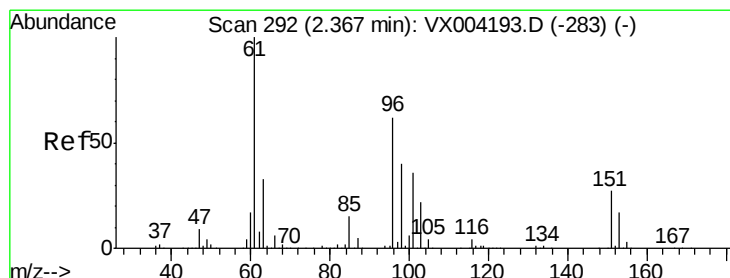
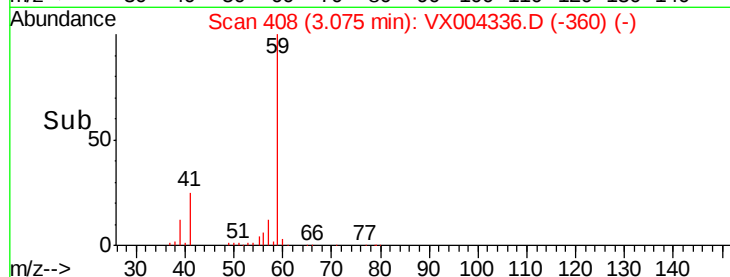
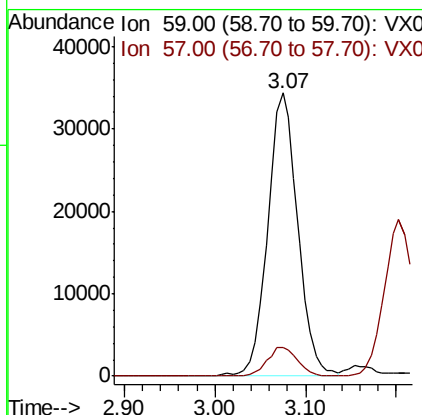
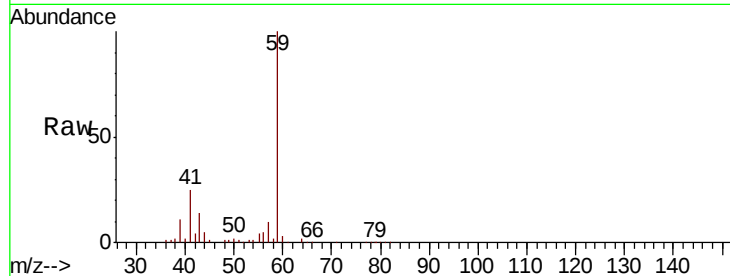
#11
Tert butyl alcohol
Concen: 125.92 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX004336.D
Acq: 31 Aug 2018 19:40

Instrument :
MSVOA_X
ClientSampleId :
VX0831WBS02

Tot Ion: 59 Resp: 78606
Ion Ratio Lower Upper
59 100
57 10.5 8.2 12.4

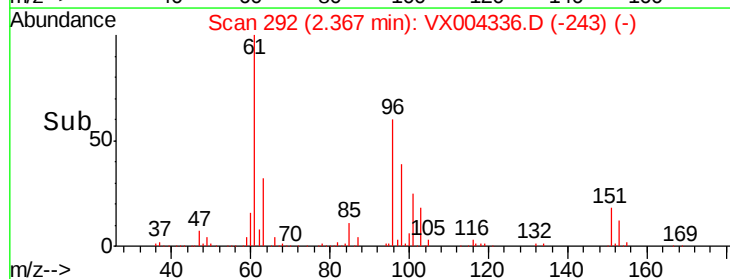
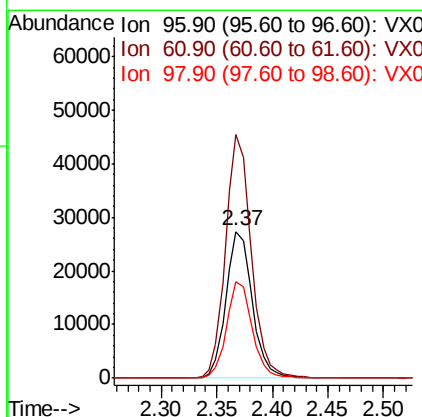
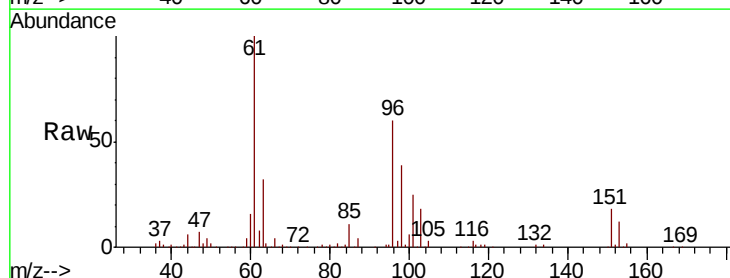
Manual Integrations
APPROVED

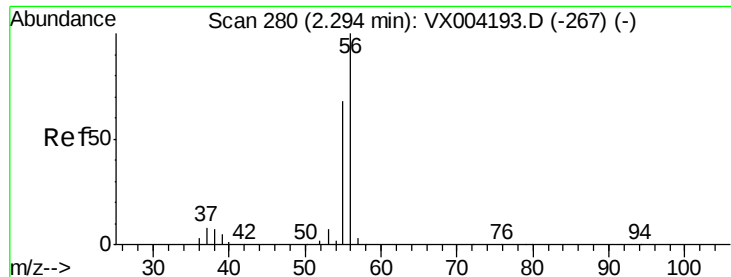
MMDadoda
9/4/2018 12:10:57 PM



#12
1,1-Dichloroethene
Concen: 18.82 ug/l
RT: 2.37 min Scan# 292
Delta R.T. 0.00 min
Lab File: VX004336.D
Acq: 31 Aug 2018 19:40

Tgt Ion: 96 Resp: 44808
Ion Ratio Lower Upper
96 100
61 165.7 128.8 193.2
98 65.3 52.2 78.2





#13

Acrolein

Concen: 110.70 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX004336.D

Acq: 31 Aug 2018 19:40

Instrument :

MSVOA_X

ClientSampleId :

VX0831WBS02

Tot Ion: 56 Resp: 16661

Ion Ratio Lower Upper

56 100

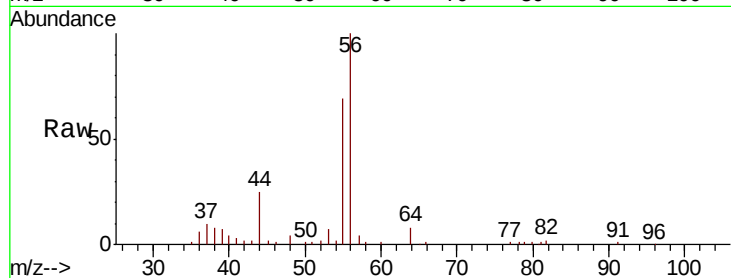
55 71.8 54.7 82.1

Manual Integrations

APPROVED

MMDadoda

9/4/2018 12:10:57 PM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

12000

10000

8000

6000

4000

2000

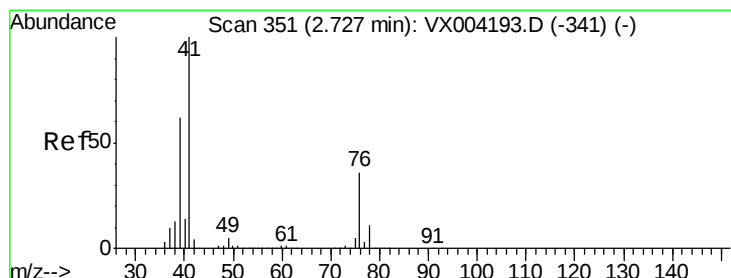
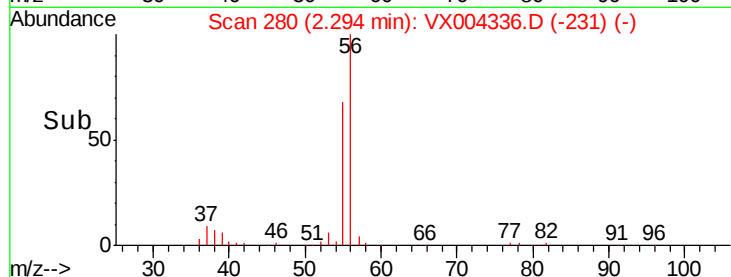
0

Time-->

2.20

2.30

2.40



#14

Allyl chloride

Concen: 22.90 ug/l

RT: 2.72 min Scan# 350

Delta R.T. -0.01 min

Lab File: VX004336.D

Acq: 31 Aug 2018 19:40

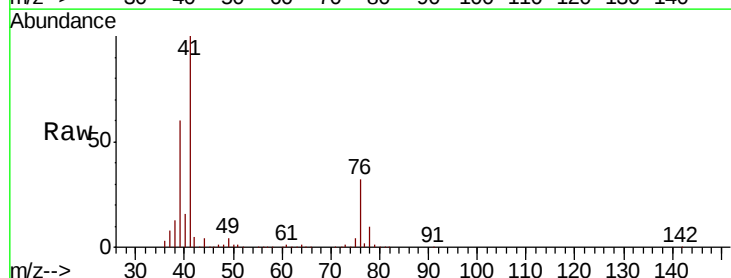
Tgt Ion: 41 Resp: 100158

Ion Ratio Lower Upper

41 100

39 58.5 48.9 73.3

76 31.4 26.7 40.1



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

80000

60000

40000

20000

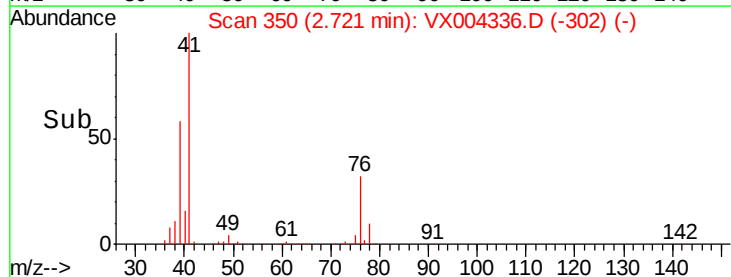
0

Time-->

2.60

2.70

2.80





#15

Acrylonitrile

Concen: 124.32 ug/l

RT: 3.15 min Scan# 420

Delta R.T. 0.00 min

Lab File: VX004336.D

Acq: 31 Aug 2018 19:40

Instrument :

MSVOA_X

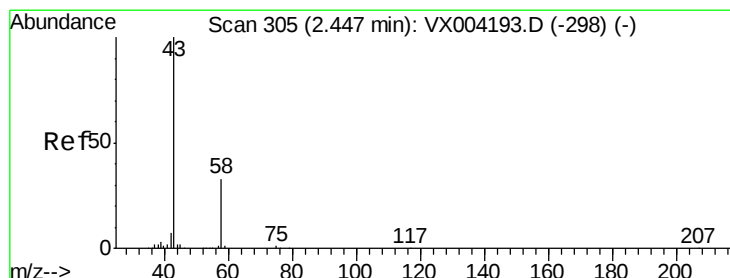
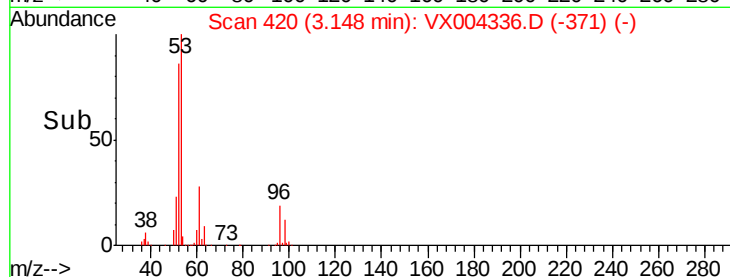
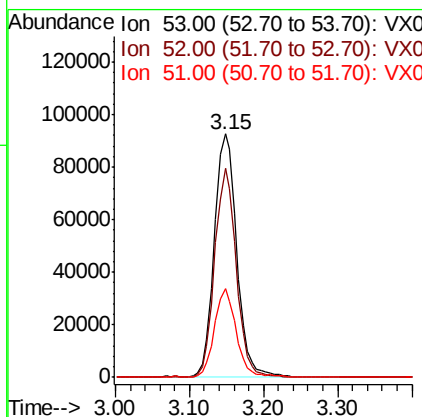
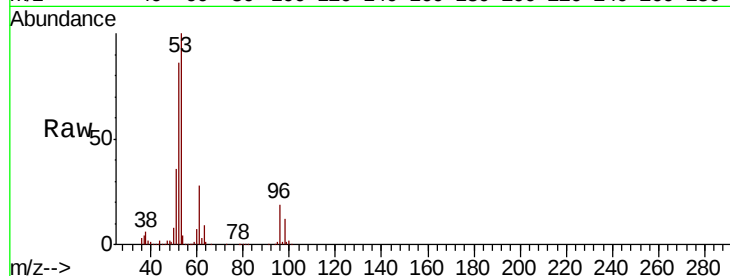
ClientSampleId :

VX0831WBS02

Tot Ion:	53	Resp:	192199
Ion	Ratio	Lower	Upper
53	100		
52	82.4	65.2	97.8
51	35.5	28.2	42.2

Manual Integrations
APPROVED

MMDadoda
9/4/2018 12:10:57 PM



#16

Acetone

Concen: 127.57 ug/l

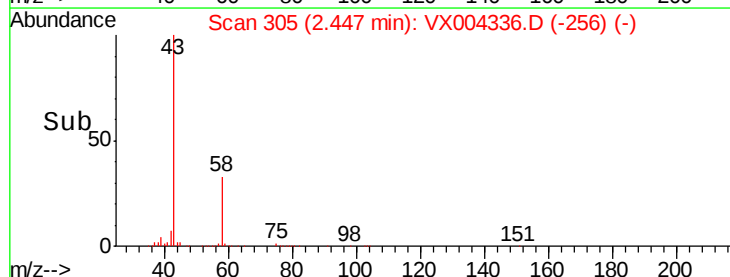
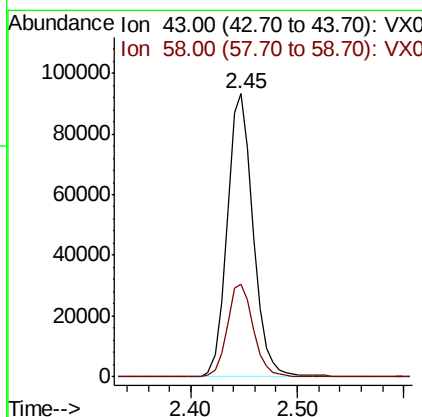
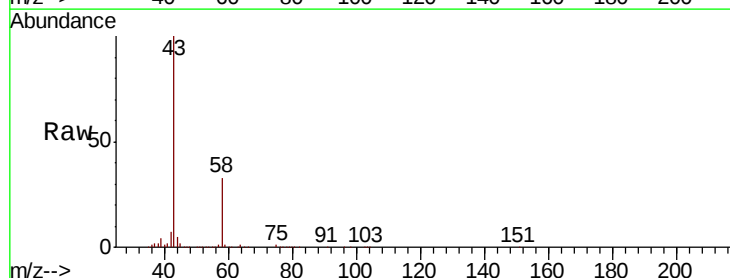
RT: 2.45 min Scan# 305

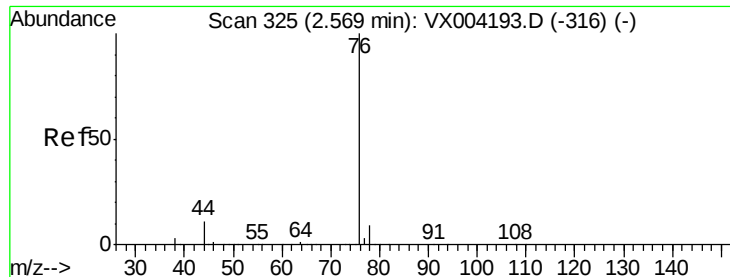
Delta R.T. 0.00 min

Lab File: VX004336.D

Acq: 31 Aug 2018 19:40

Tgt Ion:	43	Resp:	157235
Ion	Ratio	Lower	Upper
43	100		
58	32.7	26.2	39.4





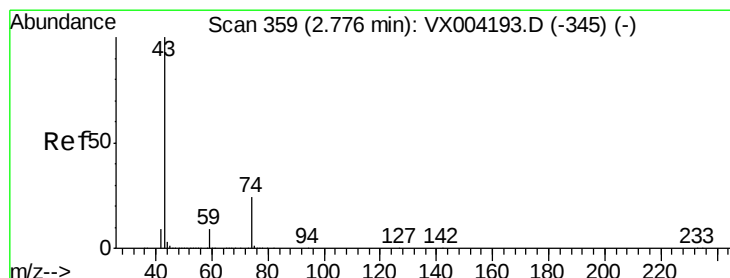
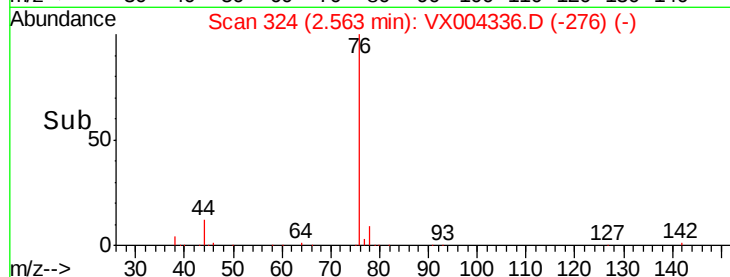
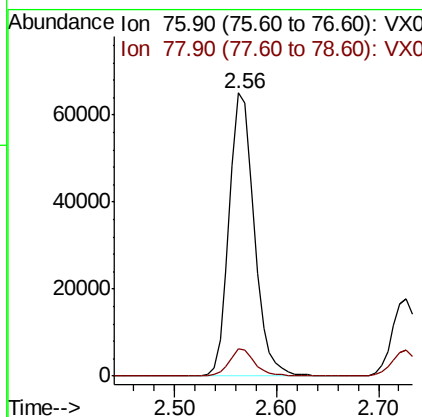
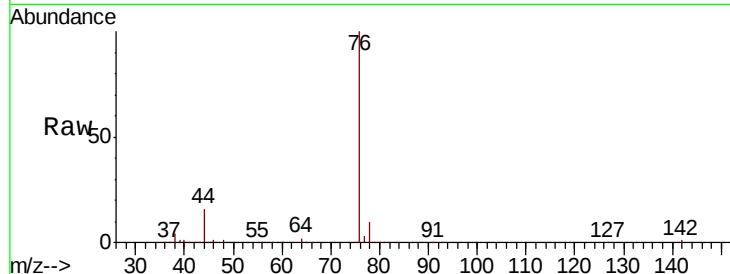
#17
Carbon Disulfide
Concen: 17.28 ug/l
RT: 2.56 min Scan# 324
Delta R.T. -0.01 min
Lab File: VX004336.D
Acq: 31 Aug 2018 19:40

Instrument :
MSVOA_X
ClientSampleId :
VX0831WBS02

Tot Ion: 76 Resp: 110701
Ion Ratio Lower Upper
76 100
78 9.5 7.0 10.6

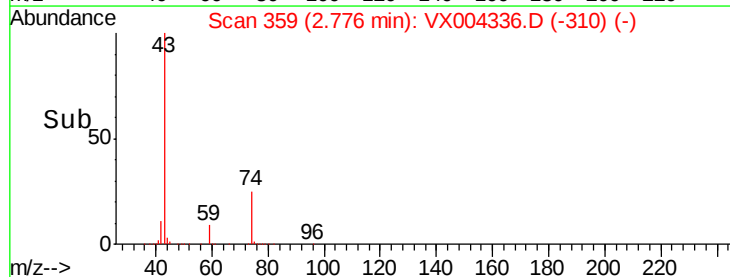
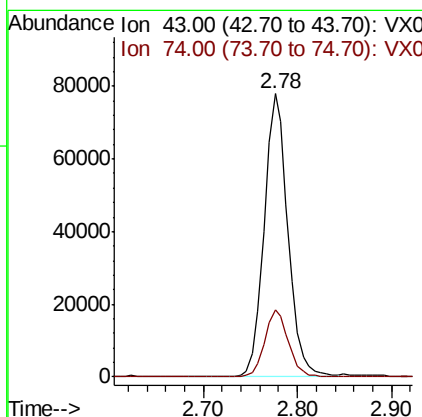
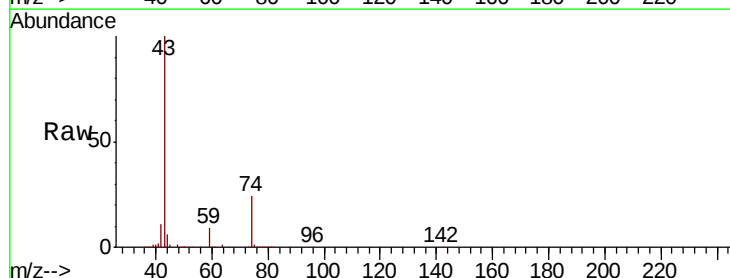
Manual Integrations
APPROVED

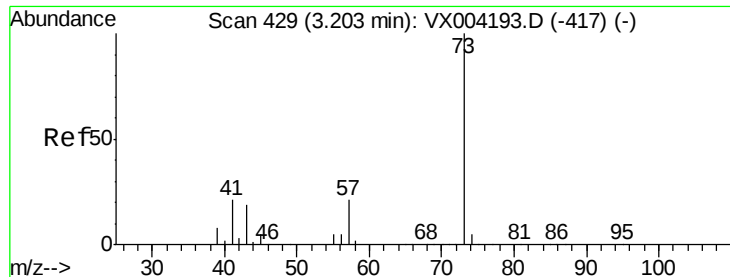
MMDadoda
9/4/2018 12:10:57 PM



#18
Methyl Acetate
Concen: 31.64 ug/l
RT: 2.78 min Scan# 359
Delta R.T. 0.00 min
Lab File: VX004336.D
Acq: 31 Aug 2018 19:40

Tgt Ion: 43 Resp: 137516
Ion Ratio Lower Upper
43 100
74 23.9 19.4 29.2





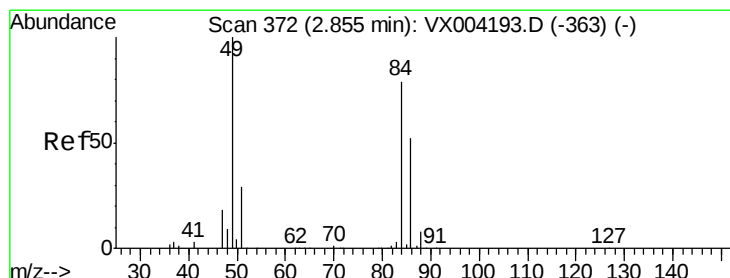
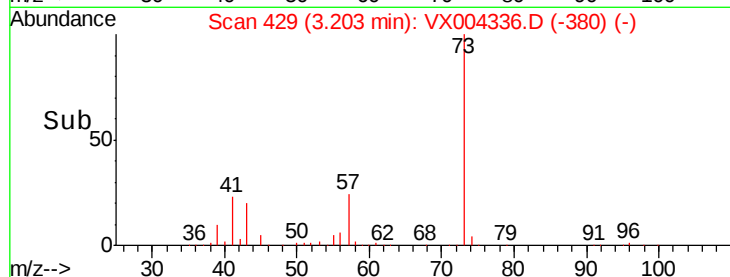
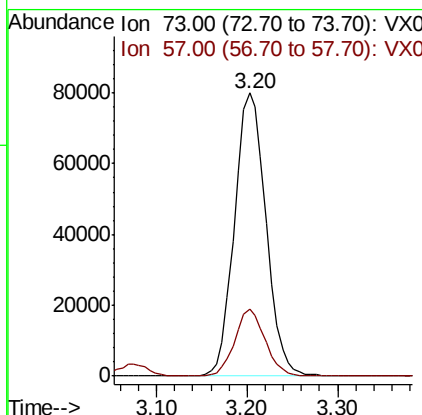
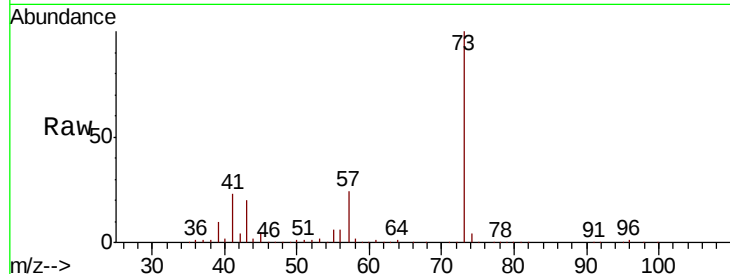
#19
Methvl tert-butvl Ether
Concen: 24.53 ug/l
RT: 3.20 min Scan# 429
Delta R.T. 0.00 min
Lab File: VX004336.D
Acq: 31 Aug 2018 19:40

Instrument :
MSVOA_X
ClientSampleId :
VX0831WBS02

Tot Ion: 73 Resp: 192455
Ion Ratio Lower Upper
73 100
57 23.7 17.1 25.7

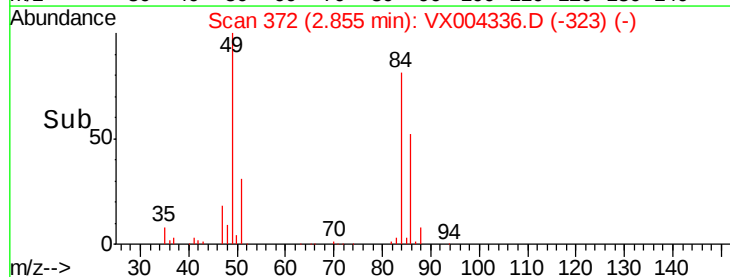
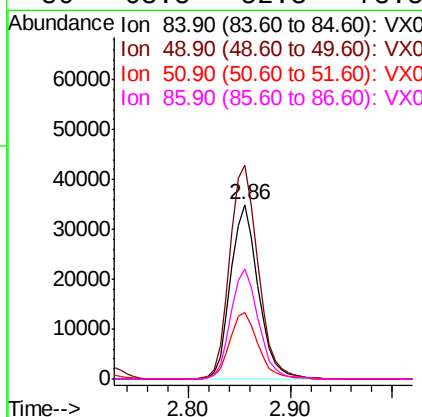
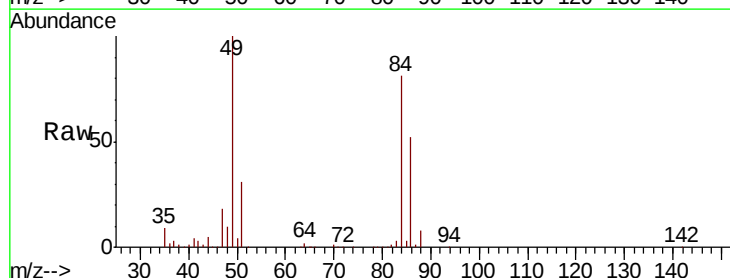
Manual Integrations
APPROVED

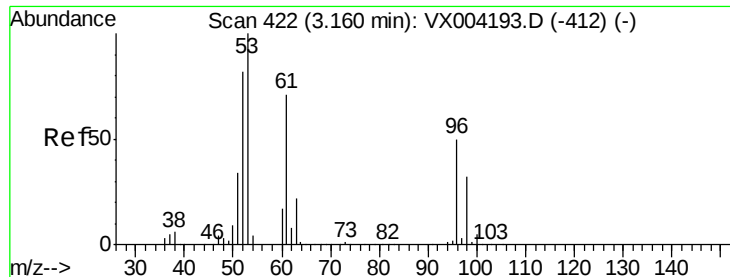
MMDadoda
9/4/2018 12:10:57 PM



#20
Methylene Chloride
Concen: 23.26 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX004336.D
Acq: 31 Aug 2018 19:40

Tgt Ion: 84 Resp: 65570
Ion Ratio Lower Upper
84 100
49 122.7 101.2 151.8
51 38.1 29.5 44.3
86 63.5 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 20.55 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.00 min

Lab File: VX004336.D

Acq: 31 Aug 2018 19:40

Instrument :

MSVOA_X

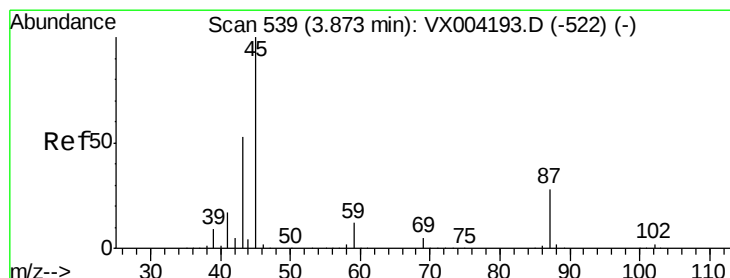
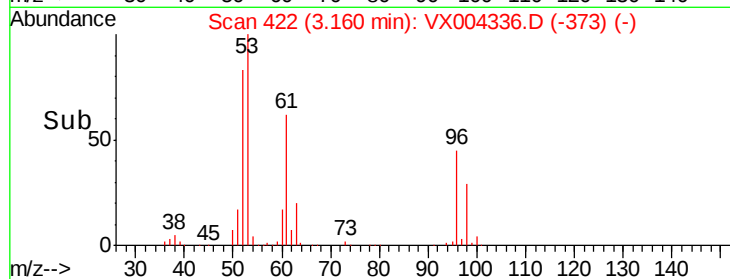
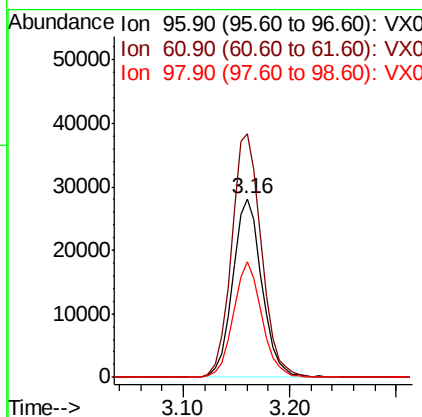
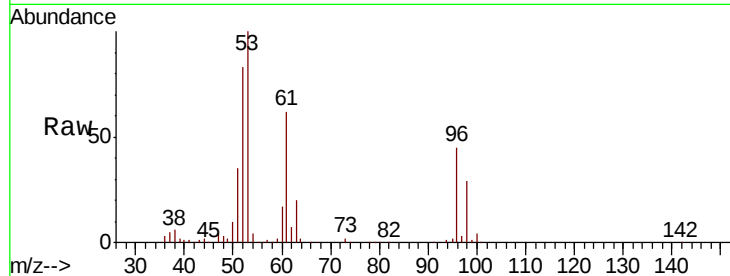
ClientSampled :

VX0831WBS02

Tot Ion:	96	Resp:	54154
Ion	Ratio	Lower	Upper
96	100		
61	136.1	113.8	170.6
98	64.7	51.8	77.8

Manual Integrations
APPROVED

MMDadoda
9/4/2018 12:10:57 PM



#22

Diisopropyl ether

Concen: 24.60 ug/l

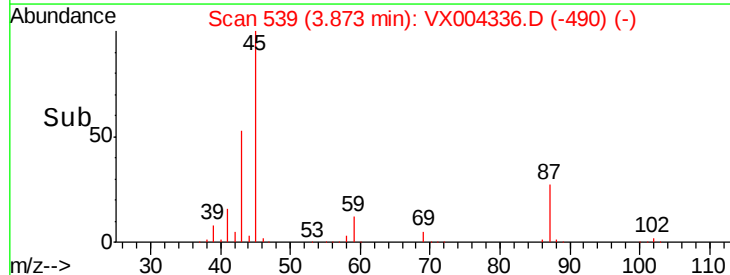
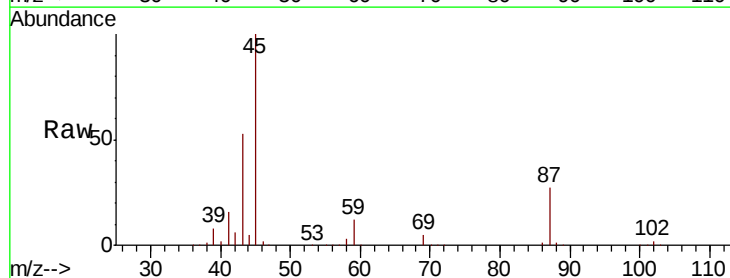
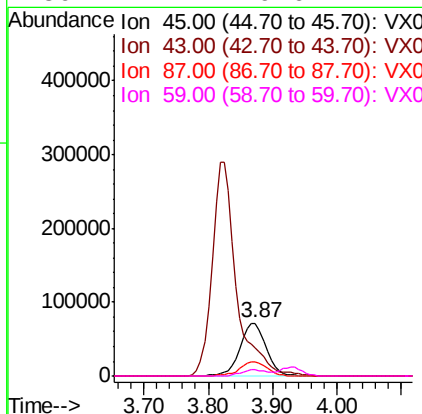
RT: 3.87 min Scan# 539

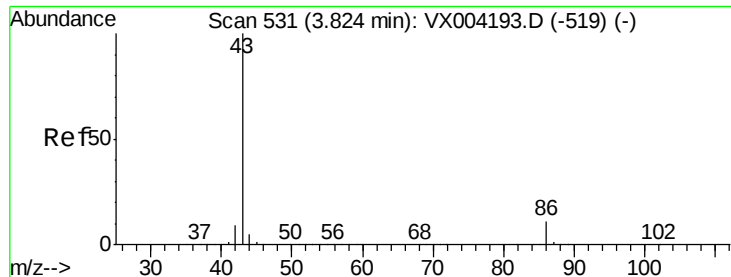
Delta R.T. 0.00 min

Lab File: VX004336.D

Acq: 31 Aug 2018 19:40

Tgt Ion:	45	Resp:	200896
Ion	Ratio	Lower	Upper
45	100		
43	52.9	42.8	64.2
87	26.7	22.6	34.0
59	12.1	9.6	14.4





#23

Vinyl Acetate

Concen: 115.90 ug/l

RT: 3.82 min Scan# 530

Delta R.T. -0.01 min

Lab File: VX004336.D

Acq: 31 Aug 2018 19:40

Instrument :

MSVOA_X

ClientSampled :

VX0831WBS02

Tot Ion: 43 Resp: 767019

Ion Ratio Lower Upper

43 100

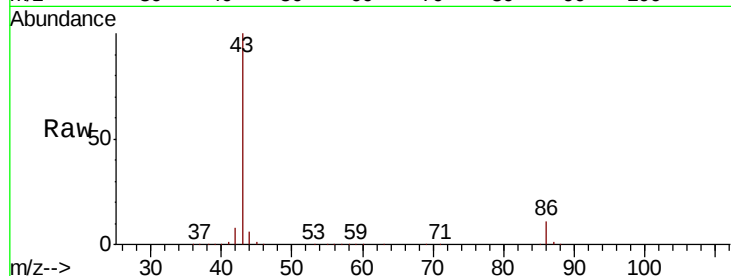
86 10.8 8.9 13.3

Manual Integrations

APPROVED

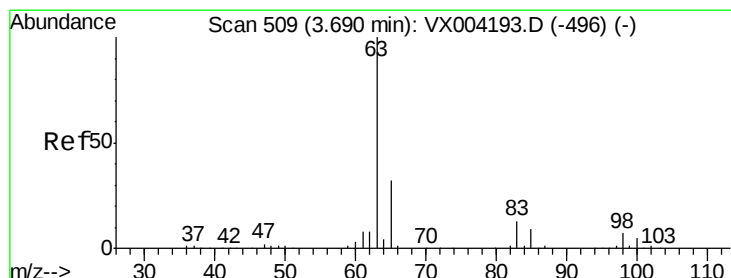
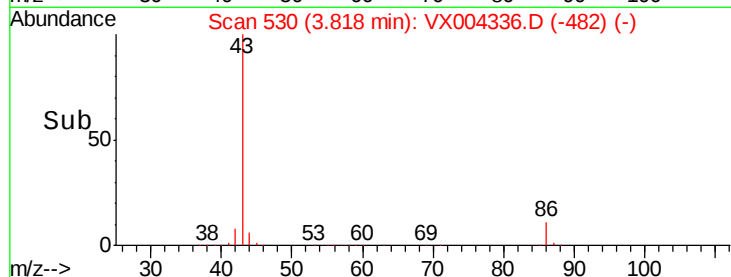
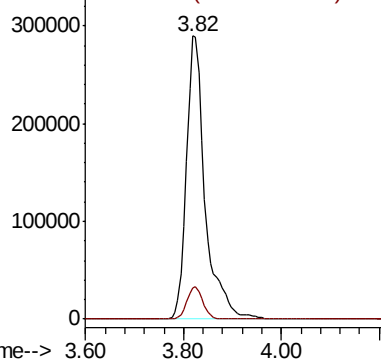
MMDadoda

9/4/2018 12:10:57 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 23.28 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.01 min

Lab File: VX004336.D

Acq: 31 Aug 2018 19:40

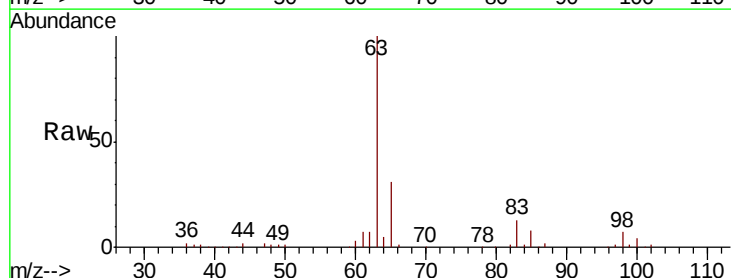
Tgt Ion: 63 Resp: 110770

Ion Ratio Lower Upper

63 100

98 7.3 3.5 10.4

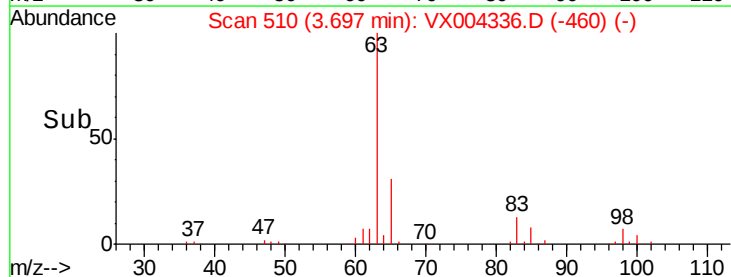
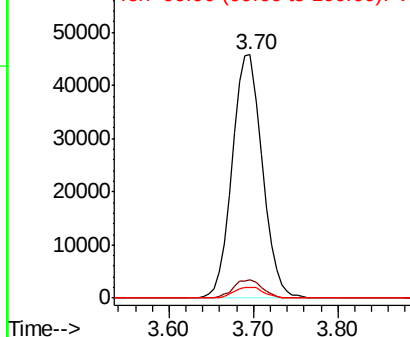
100 4.3 2.4 7.1

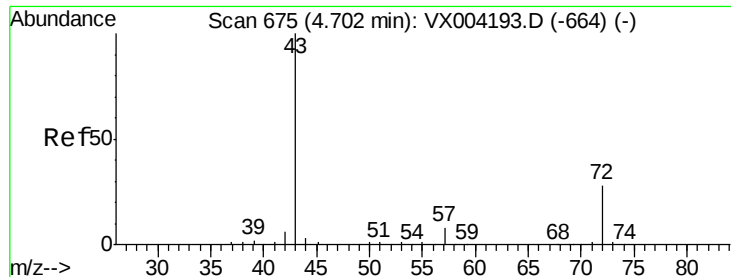


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 126.58 ug/l

RT: 4.70 min Scan# 675

Delta R.T. 0.00 min

Lab File: VX004336.D

Acq: 31 Aug 2018 19:40

Instrument :

MSVOA_X

ClientSampled :

VX0831WBS02

Tot Ion: 43 Resp: 251148

Ion Ratio Lower Upper

43 100

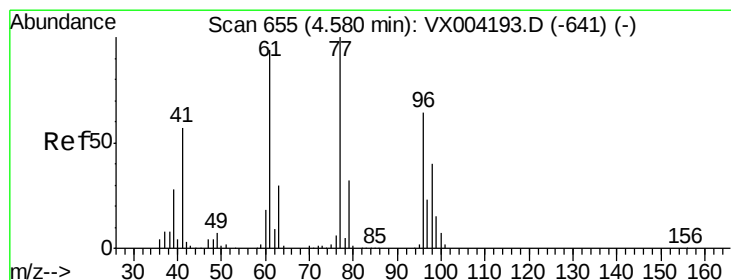
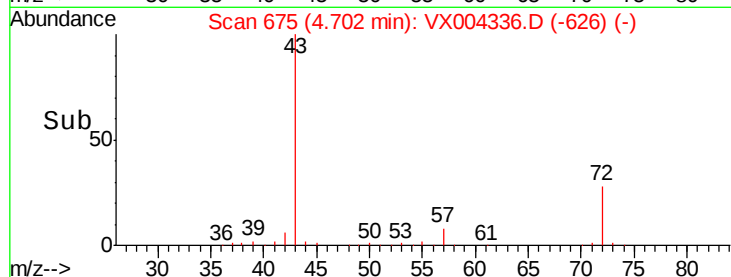
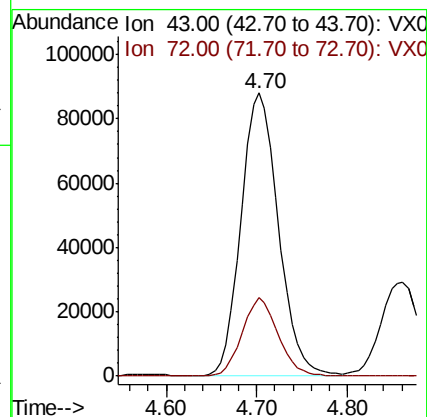
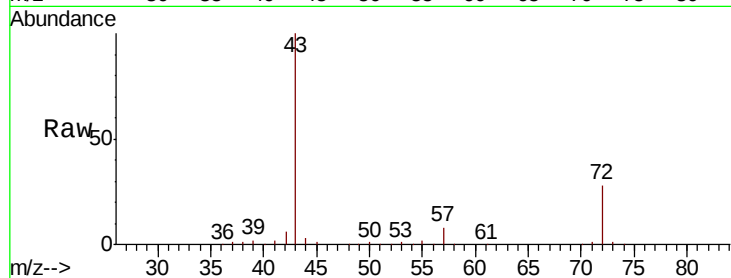
72 27.7 22.0 33.0

Manual Integrations

APPROVED

MMDadoda

9/4/2018 12:10:57 PM



#26

2,2-Dichloropropane

Concen: 20.01 ug/l

RT: 4.58 min Scan# 655

Delta R.T. 0.00 min

Lab File: VX004336.D

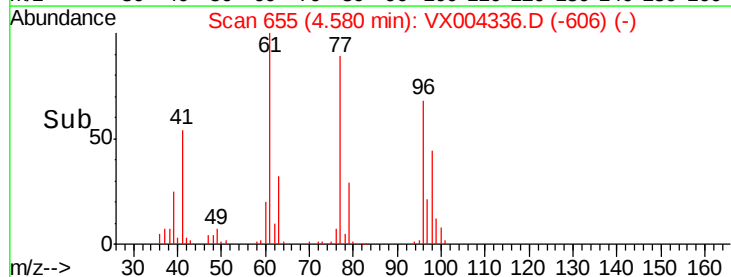
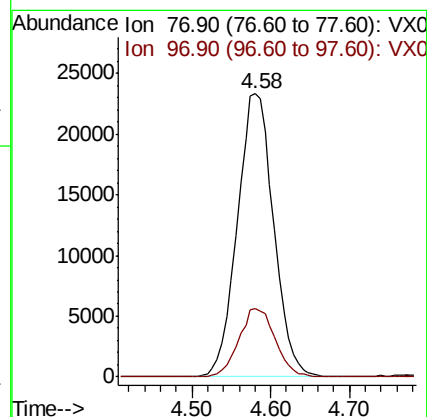
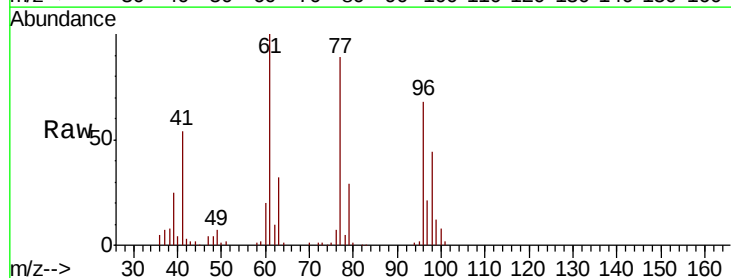
Acq: 31 Aug 2018 19:40

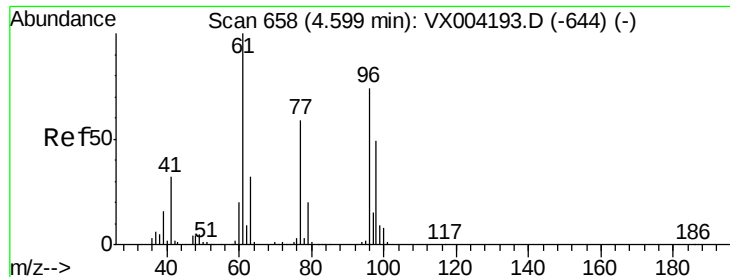
Tgt Ion: 77 Resp: 74684

Ion Ratio Lower Upper

77 100

97 24.1 11.7 35.0





#27

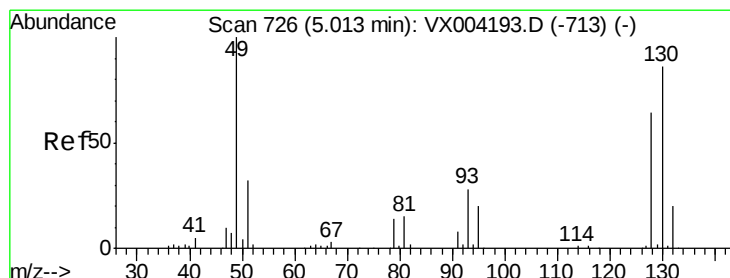
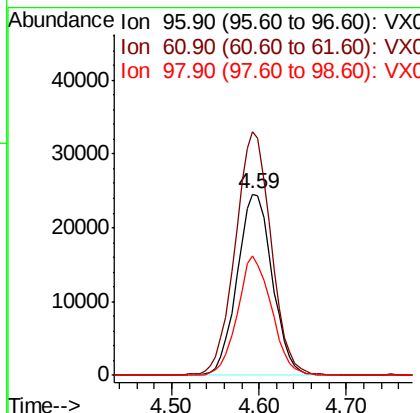
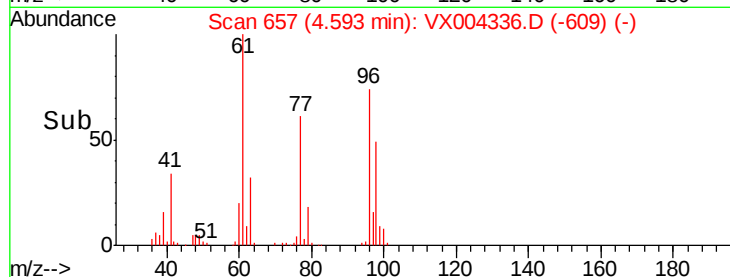
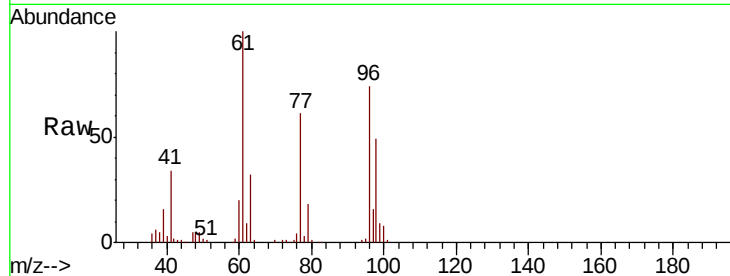
cis-1,2-Dichloroethene
 Concen: 22.96 ug/l
 RT: 4.59 min Scan# 657
 Delta R.T. -0.01 min
 Lab File: VX004336.D
 Acq: 31 Aug 2018 19:40

Instrument :
 MSVOA_X
 ClientSampled :
 VX0831WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.3	0.0	282.6
98	63.9	0.0	130.2

Manual Integrations
 APPROVED

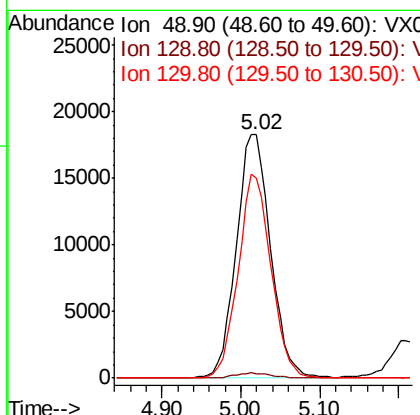
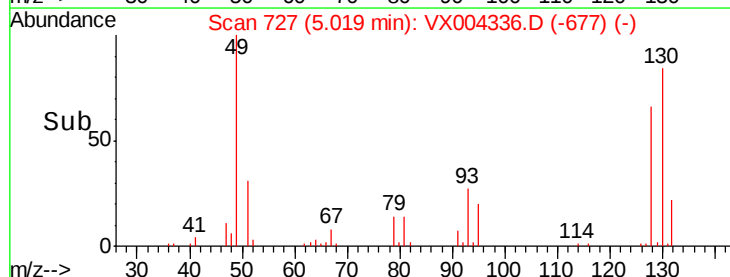
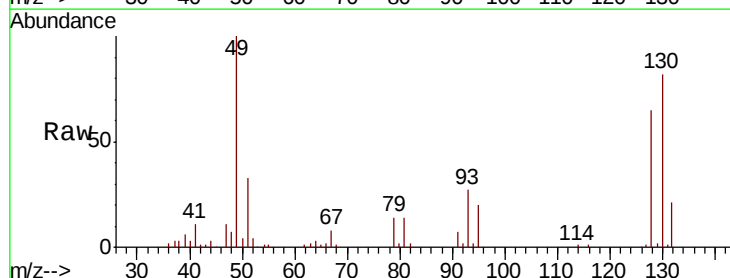
MMDadoda
 9/4/2018 12:10:57 PM

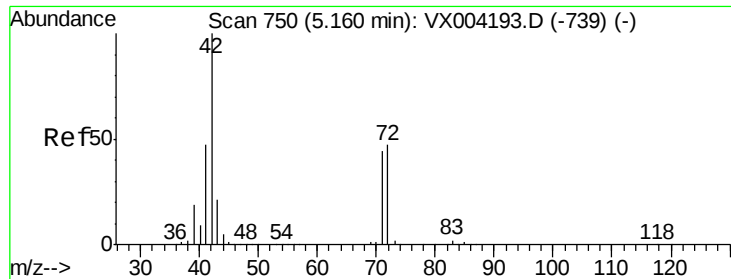


#28

Bromochloromethane
 Concen: 26.19 ug/l
 RT: 5.02 min Scan# 727
 Delta R.T. 0.01 min
 Lab File: VX004336.D
 Acq: 31 Aug 2018 19:40

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	80.2	67.5	101.3





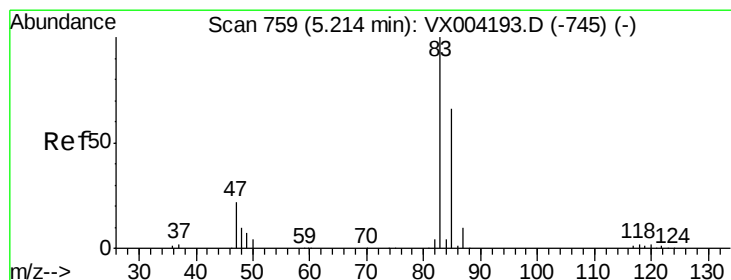
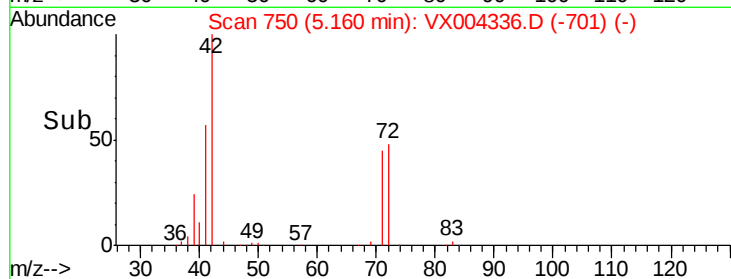
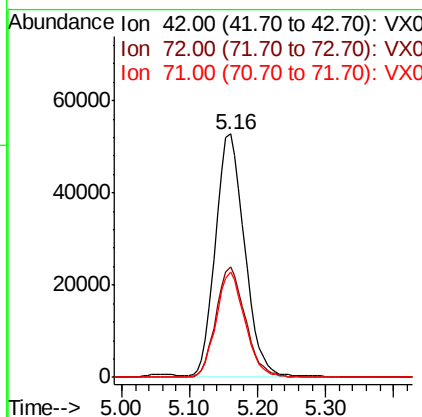
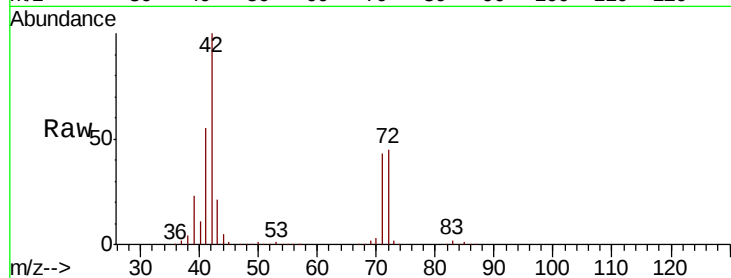
#29
Tetrahydrofuran
Concen: 125.15 ug/l
RT: 5.16 min Scan# 750
Delta R.T. 0.00 min
Lab File: VX004336.D
Acq: 31 Aug 2018 19:40

Instrument :
MSVOA_X
ClientSampleId :
VX0831WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.8	37.4	56.0
71	42.7	34.5	51.7

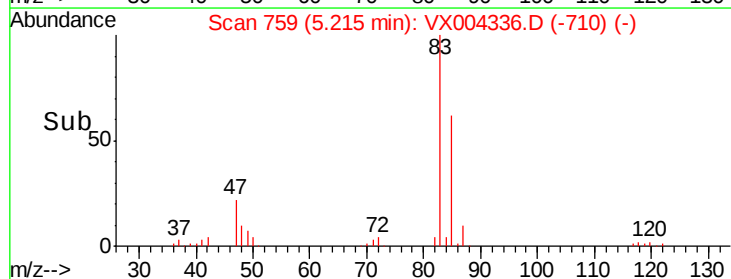
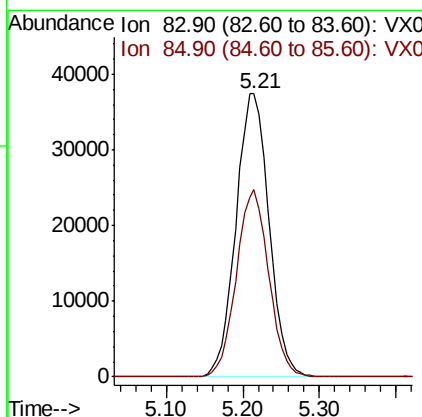
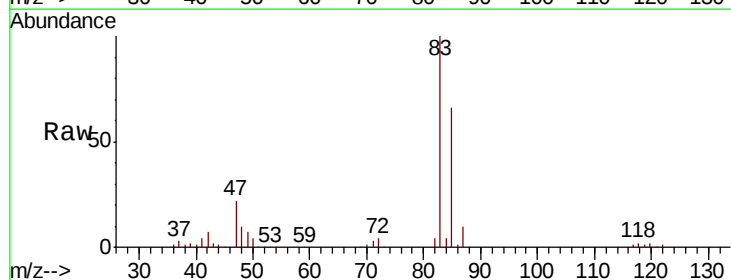
Manual Integrations
APPROVED

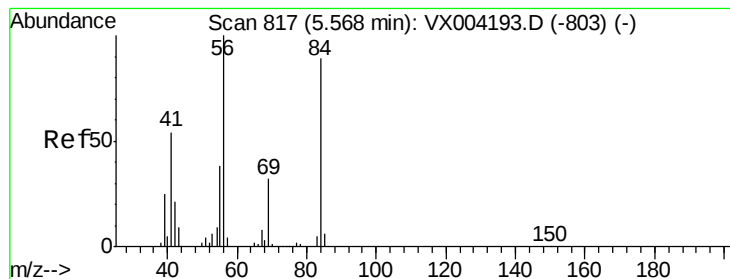
MMDadoda
9/4/2018 12:10:57 PM



#30
Chloroform
Concen: 23.52 ug/l
RT: 5.21 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX004336.D
Acq: 31 Aug 2018 19:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	52.6	79.0





#31

Cyclohexane

Concen: 14.23 ug/l

RT: 5.57 min Scan# 817

Delta R.T. 0.00 min

Lab File: VX004336.D

Acq: 31 Aug 2018 19:40

Instrument :

MSVOA_X

ClientSampled :

VX0831WBS02

Tot Ion: 56 Resp: 58408

Ion Ratio Lower Upper

56 100

69 28.0 25.4 38.2

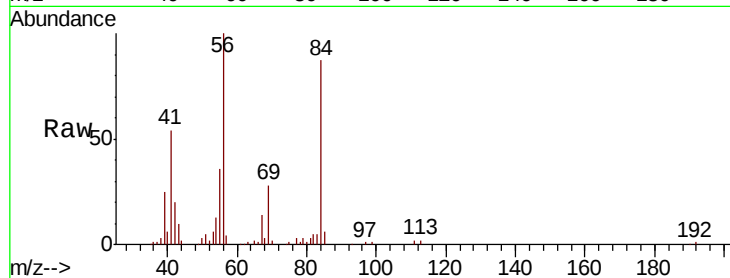
84 84.5 71.4 107.2

Manual Integrations

APPROVED

MMDadoda

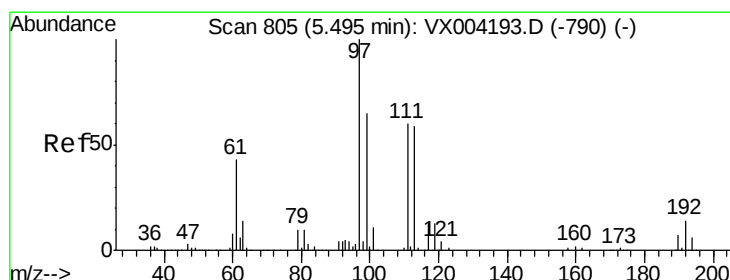
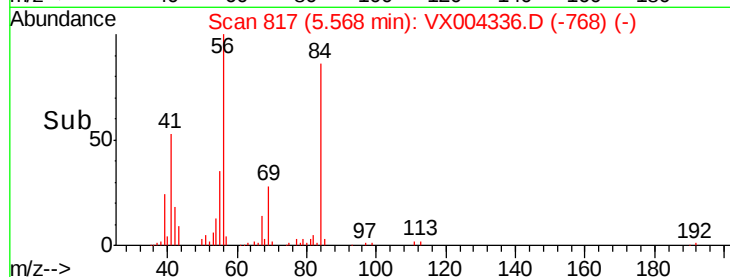
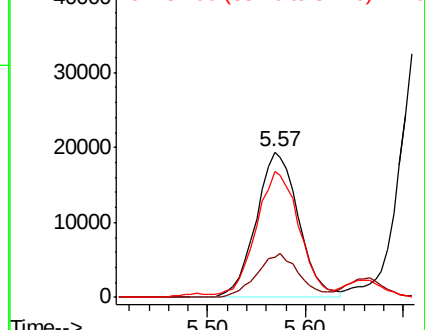
9/4/2018 12:10:57 PM



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: 20.52 ug/l

RT: 5.49 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX004336.D

Acq: 31 Aug 2018 19:40

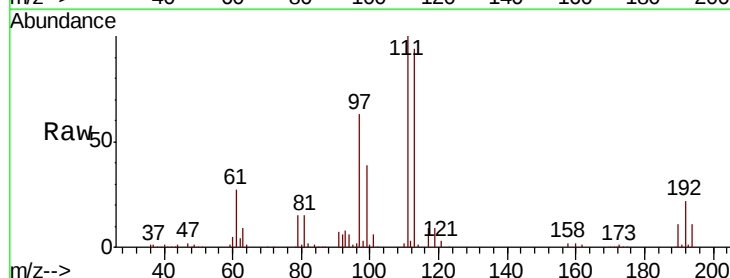
Tgt Ion: 97 Resp: 81638

Ion Ratio Lower Upper

97 100

99 64.2 52.0 78.0

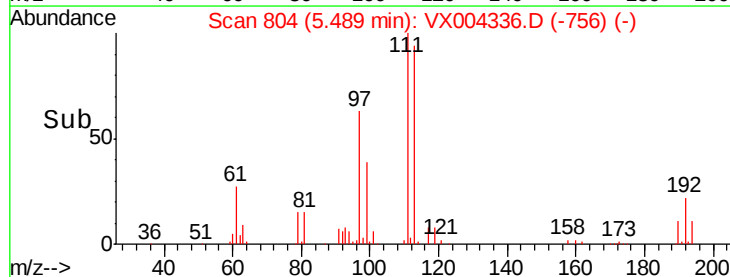
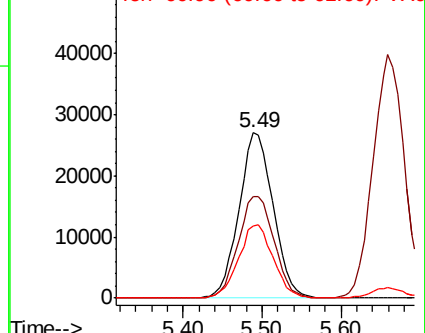
61 45.0 34.9 52.3



Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





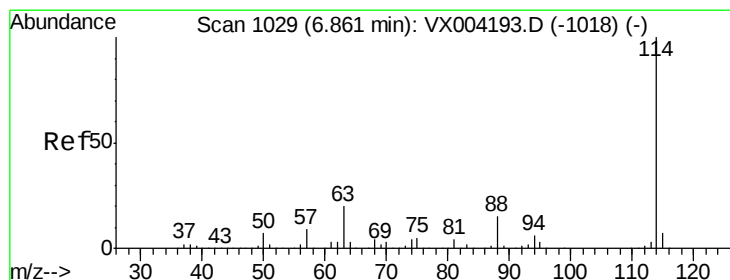
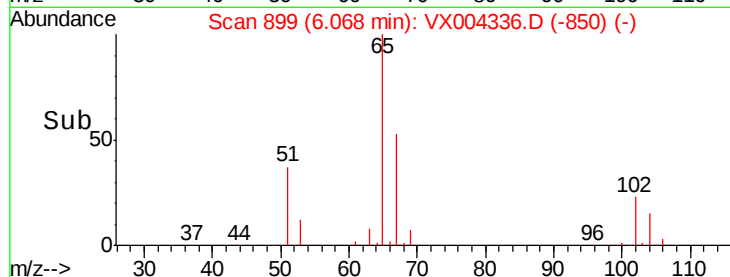
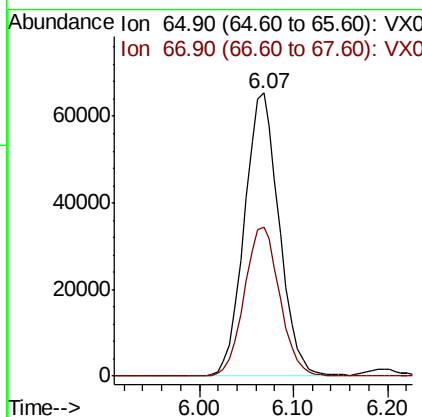
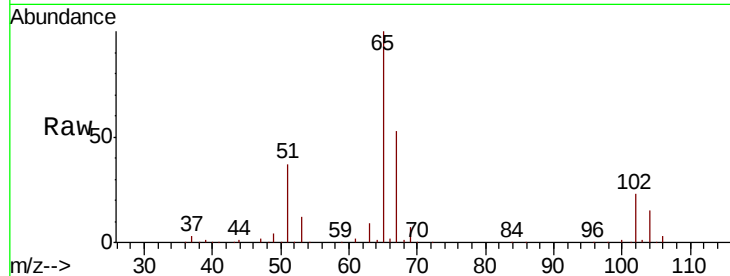
#33
 1,2-Dichloroethane-d4
 Concen: 57.70 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX004336.D
 Acq: 31 Aug 2018 19:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	168980		
67	53.7	0.0	106.8	

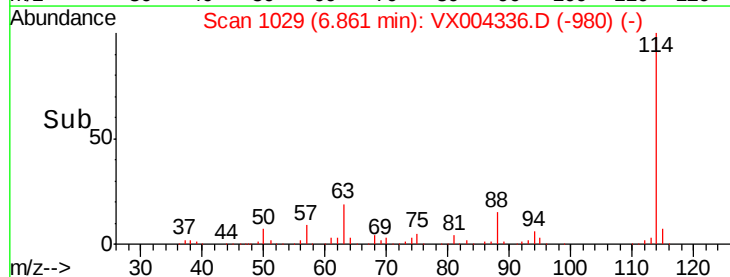
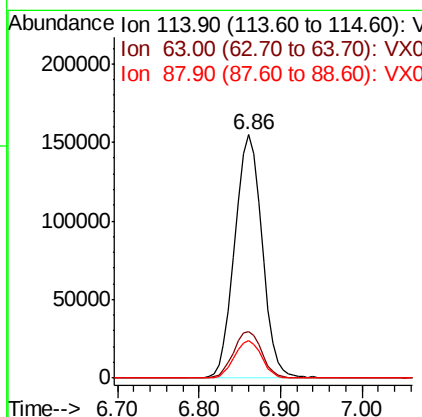
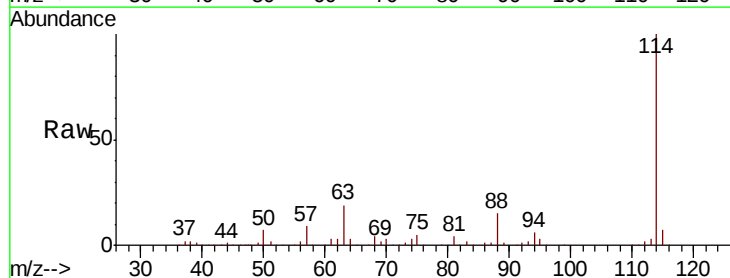
Manual Integrations
 APPROVED

MMDadoda
 9/4/2018 12:10:57 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. 0.00 min
 Lab File: VX004336.D
 Acq: 31 Aug 2018 19:40

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	359706		
63	19.3	0.0	39.0	
88	15.3	0.0	30.4	





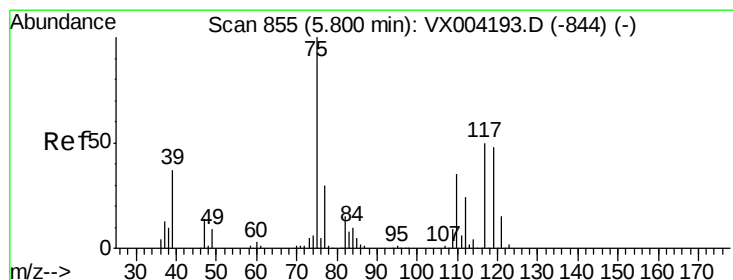
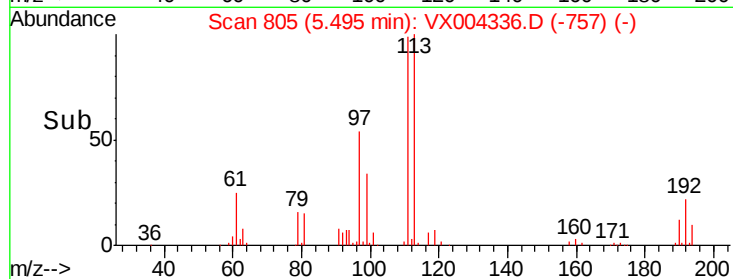
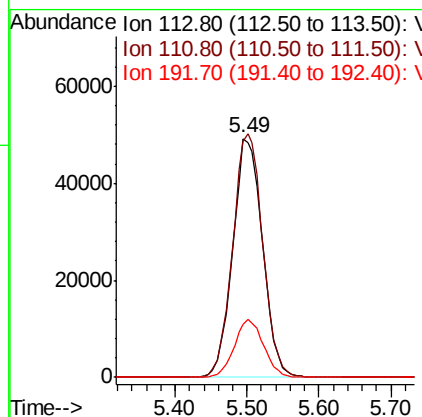
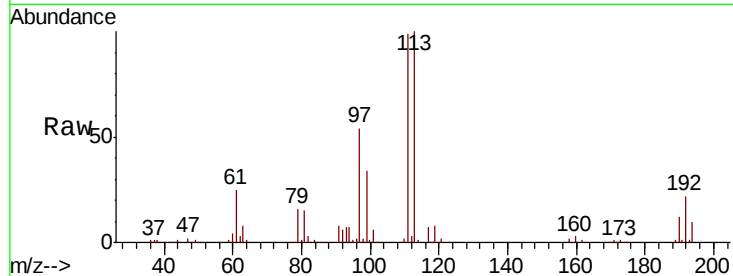
#35
 Dibromofluoromethane
 Concen: 52.78 ug/l
 RT: 5.49 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX004336.D
 Acq: 31 Aug 2018 19:40

Instrument :
 MSVOA_X
 ClientSampled :
 VX0831WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	141227		
111	102.8	82.4	123.6	
192	23.7	19.4	29.2	

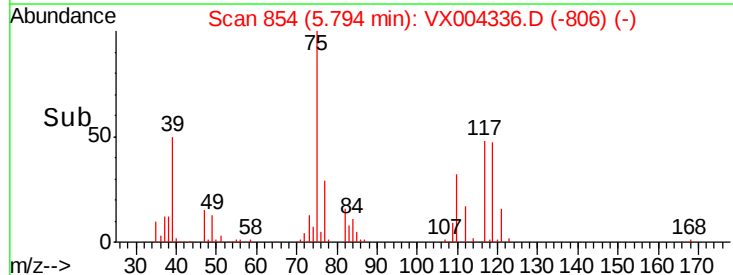
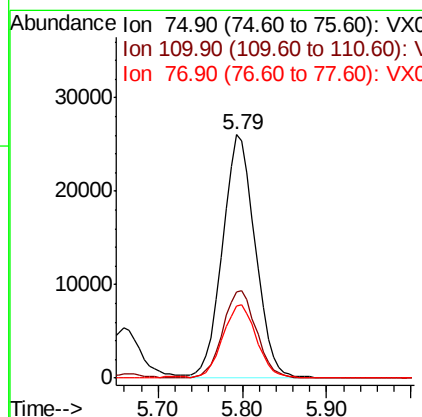
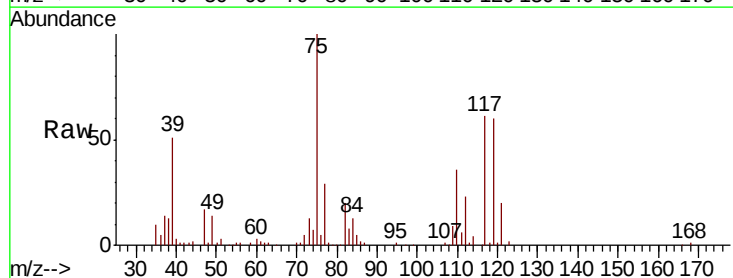
Manual Integrations
 APPROVED

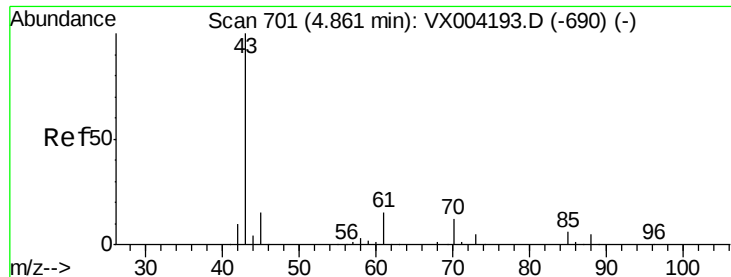
MMDadoda
 9/4/2018 12:10:57 PM



#36
 1,1-Dichloropropene
 Concen: 17.17 ug/l
 RT: 5.79 min Scan# 854
 Delta R.T. -0.01 min
 Lab File: VX004336.D
 Acq: 31 Aug 2018 19:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	69428		
110	36.7	18.0	54.0	
77	30.9	24.6	36.8	





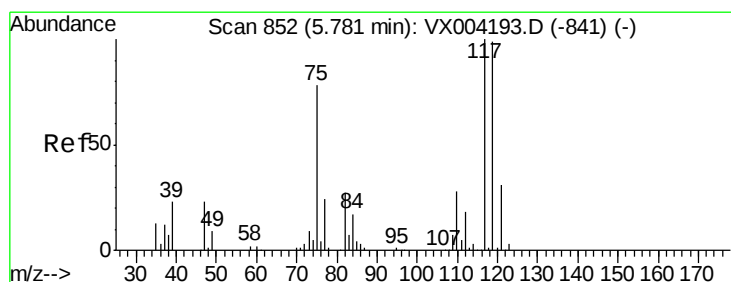
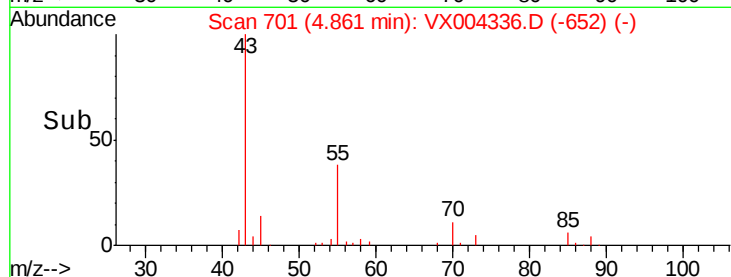
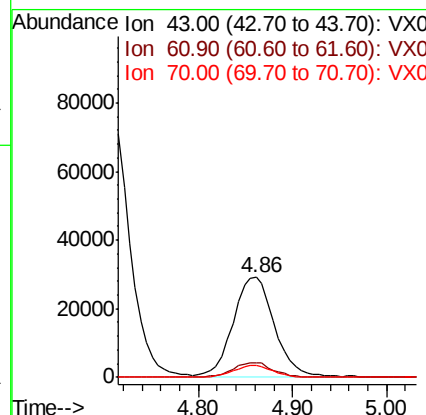
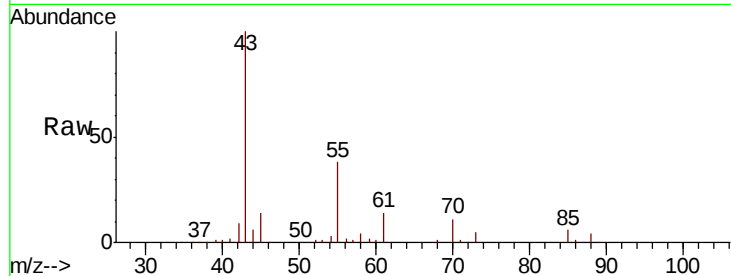
#37
Ethyl Acetate
Concen: 22.10 ug/l
RT: 4.86 min Scan# 701
Delta R.T. 0.00 min
Lab File: VX004336.D
Acq: 31 Aug 2018 19:40

Instrument :
MSVOA_X
ClientSampleId :
VX0831WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.5	17.3
70	11.5	9.0	13.6

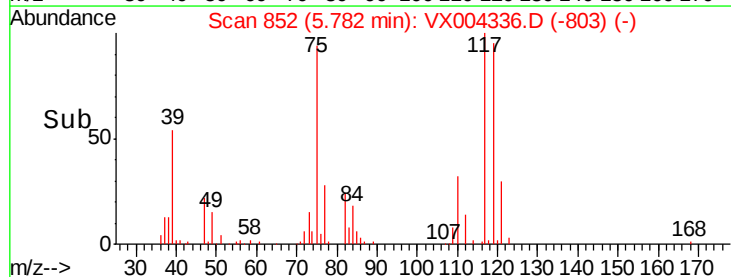
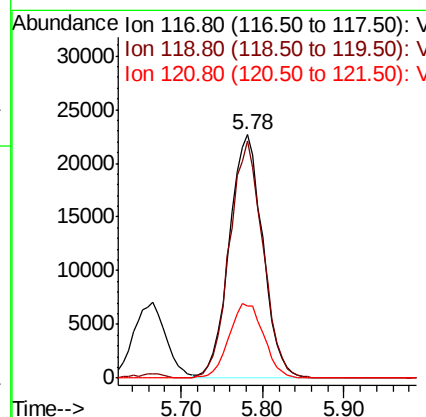
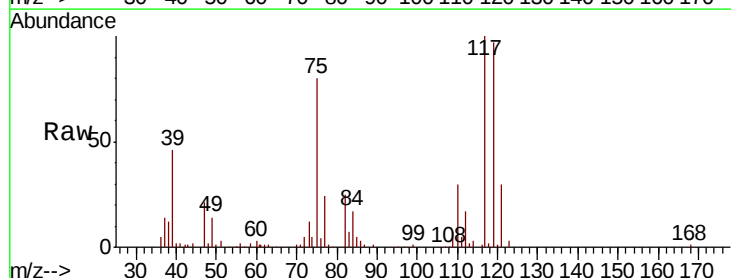
Manual Integrations
APPROVED

MMDadoda
9/4/2018 12:10:57 PM



#38
Carbon Tetrachloride
Concen: 16.94 ug/l
RT: 5.78 min Scan# 852
Delta R.T. 0.00 min
Lab File: VX004336.D
Acq: 31 Aug 2018 19:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	78.8	118.2
121	29.6	24.9	37.3





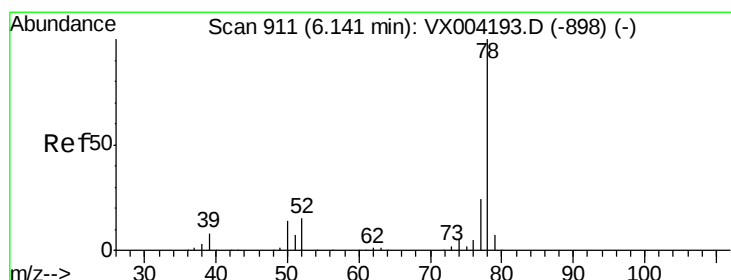
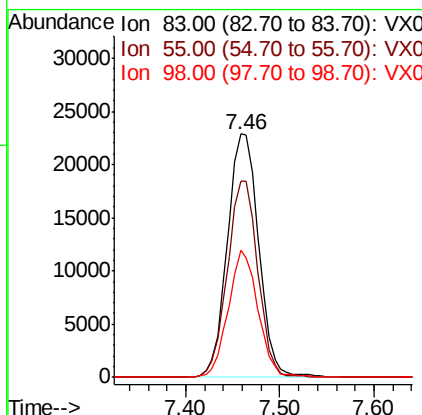
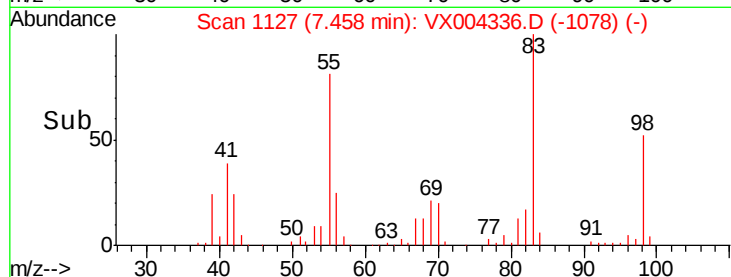
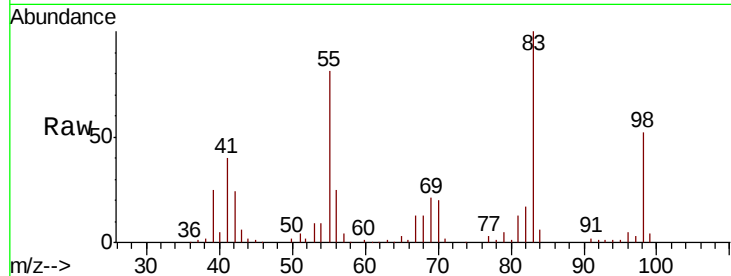
#39
Methvlcvclohexane
Concen: 11.44 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VX004336.D
Acq: 31 Aug 2018 19:40

Instrument :
MSVOA_X
ClientSampleId :
VX0831WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.8	61.0	91.4
98	52.2	39.6	59.4

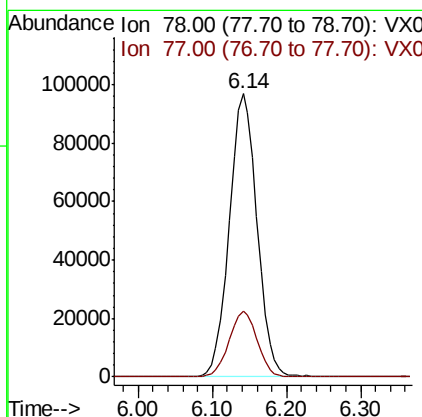
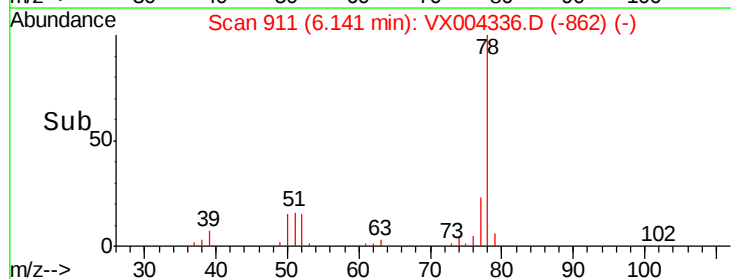
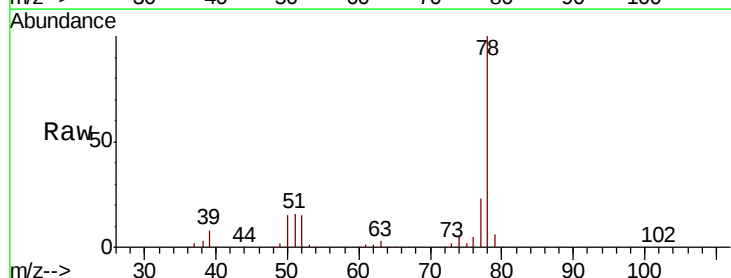
Manual Integrations
APPROVED

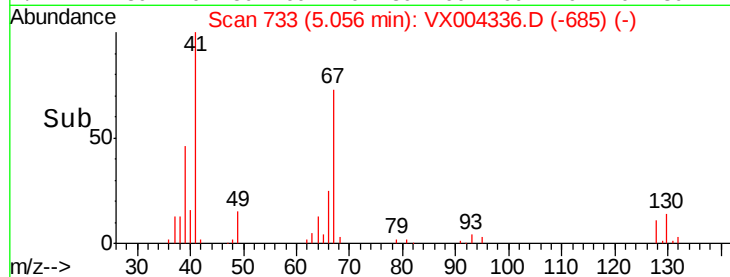
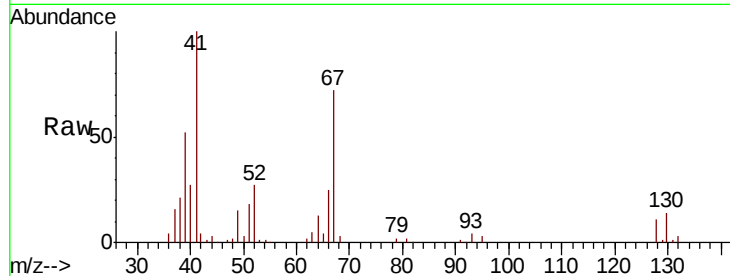
MMDadoda
9/4/2018 12:10:57 PM



#40
Benzene
Concen: 20.93 ug/l
RT: 6.14 min Scan# 911
Delta R.T. 0.00 min
Lab File: VX004336.D
Acq: 31 Aug 2018 19:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.0	28.4





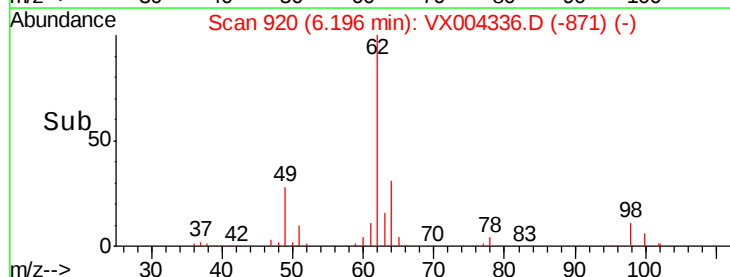
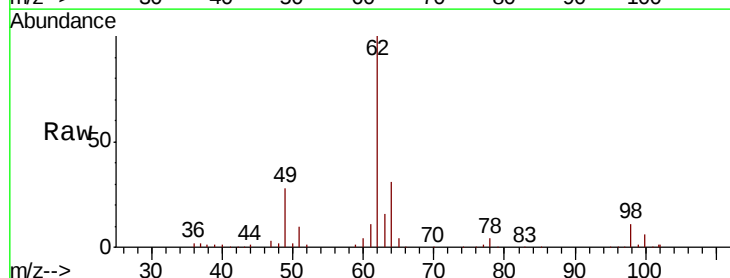
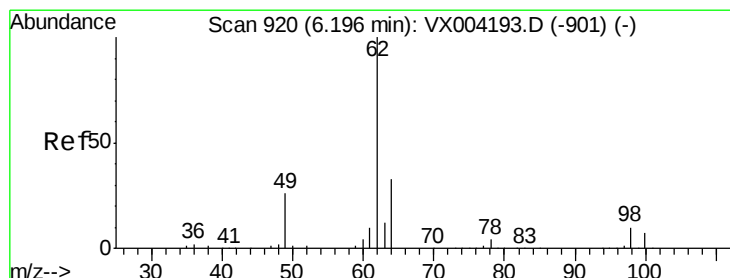
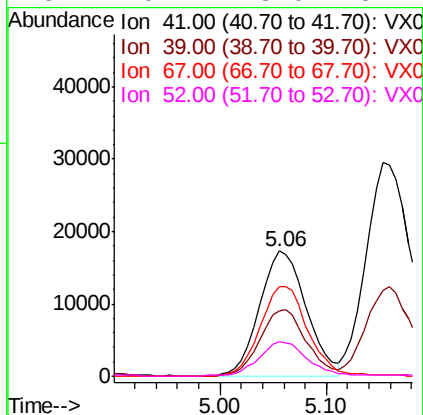
#41
Methacrylonitrile
Concen: 23.07 ug/l
RT: 5.06 min Scan# 733
Delta R.T. -0.01 min
Lab File: VX004336.D
Acq: 31 Aug 2018 19:40

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.5	42.4	63.6	
67	72.6	59.2	88.8	
52	29.1	23.0	34.4	

Instrument :
MSVOA_X
ClientSampleId :
VX0831WBS02

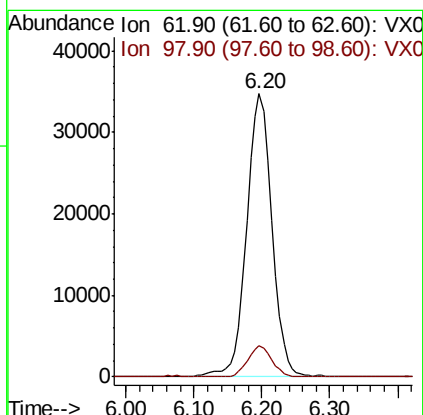
Manual Integrations
APPROVED

MMDadoda
9/4/2018 12:10:57 PM



#42
1,2-Dichloroethane
Concen: 21.90 ug/l
RT: 6.20 min Scan# 920
Delta R.T. 0.00 min
Lab File: VX004336.D
Acq: 31 Aug 2018 19:40

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.6	0.0	20.6	





#43

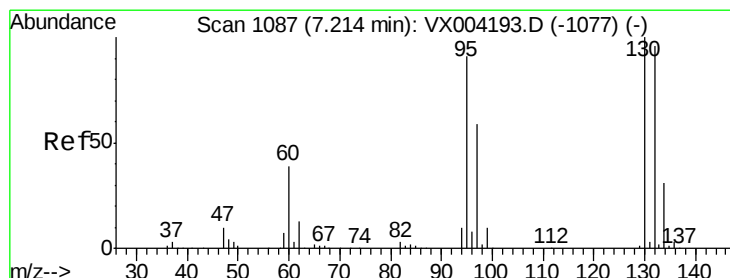
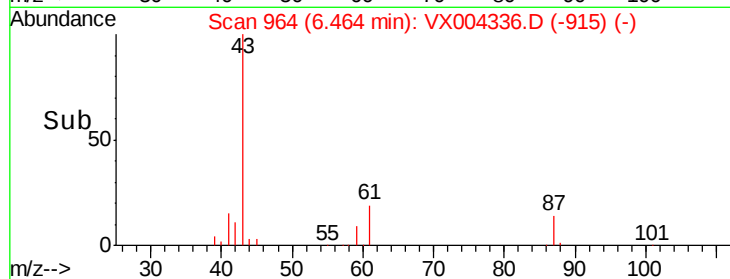
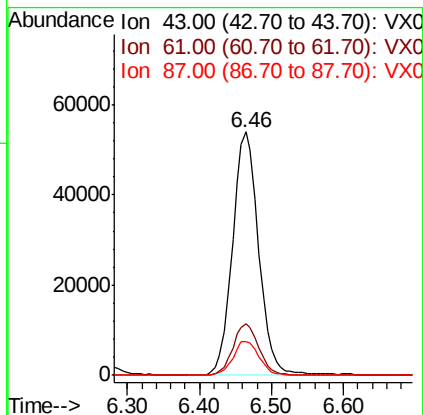
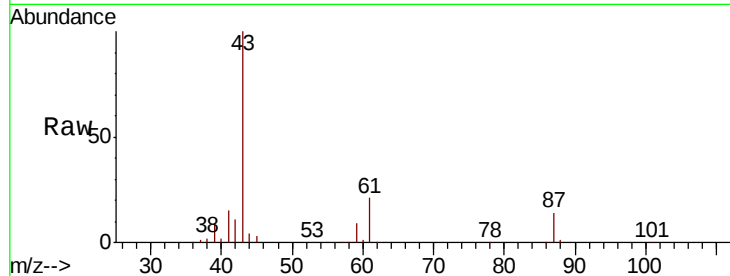
Isopropyl Acetate
 Concen: 22.11 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. 0.00 min
 Lab File: VX004336.D
 Acq: 31 Aug 2018 19:40

Instrument :
 MSVOA_X
 ClientSampled :
 VX0831WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.3	17.0	25.4
87	14.1	11.4	17.2

Manual Integrations
 APPROVED

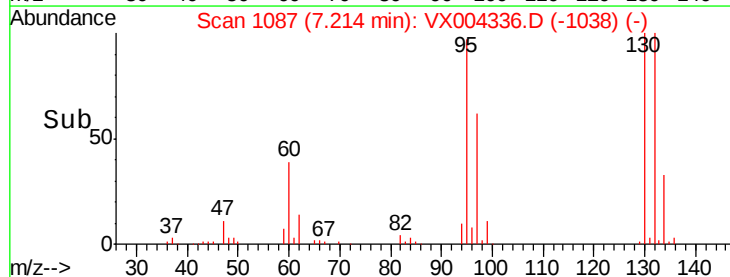
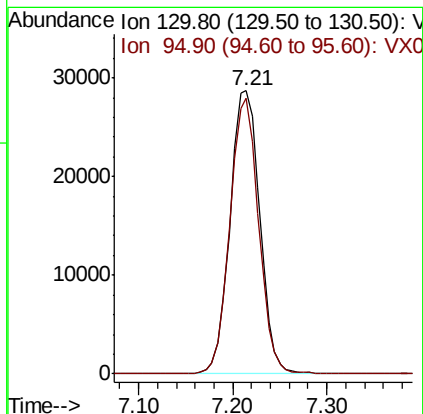
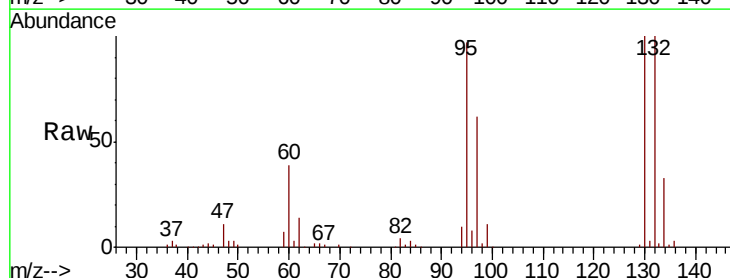
MMDadoda
 9/4/2018 12:10:57 PM

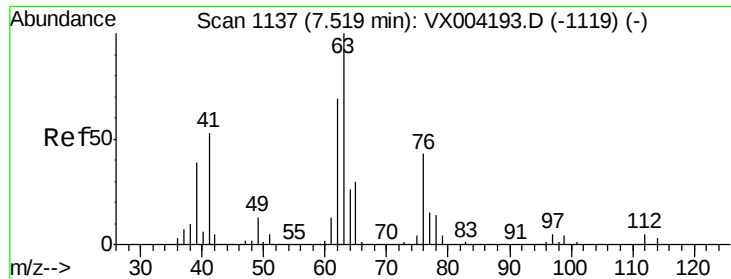


#44

Trichloroethene
 Concen: 18.88 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VX004336.D
 Acq: 31 Aug 2018 19:40

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.2	0.0	181.6





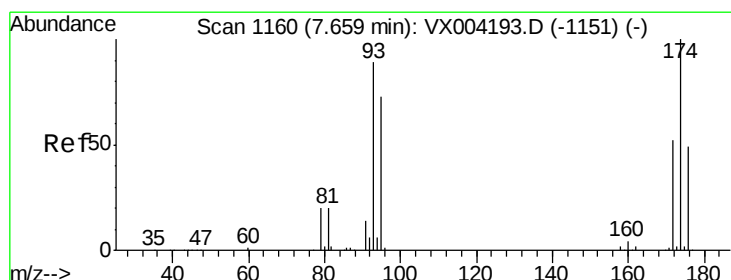
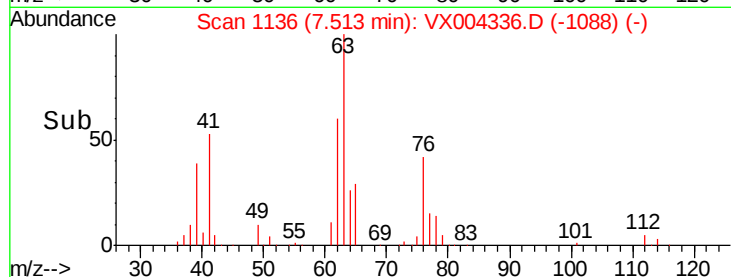
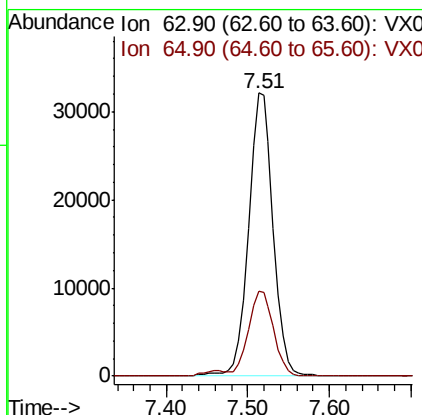
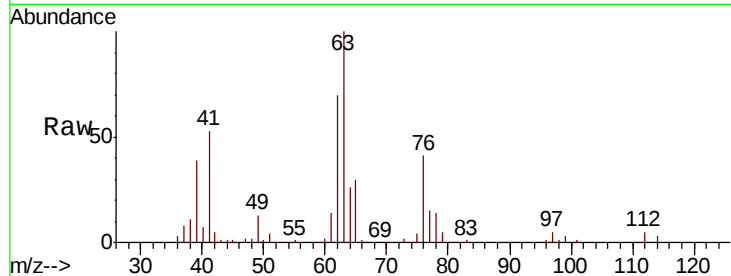
#45
 1,2-Dichloropropane
 Concen: 22.22 ug/l
 RT: 7.51 min Scan# 1136
 Delta R.T. -0.01 min
 Lab File: VX004336.D
 Acq: 31 Aug 2018 19:40

Instrument :
 MSVOA_X
 ClientSampled :
 VX0831WBS02

Tot Ion: 63 Resp: 67201
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.3 36.5

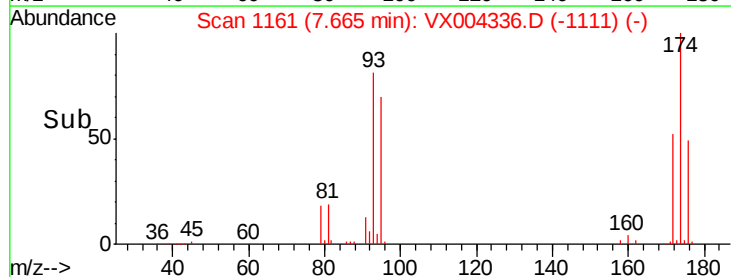
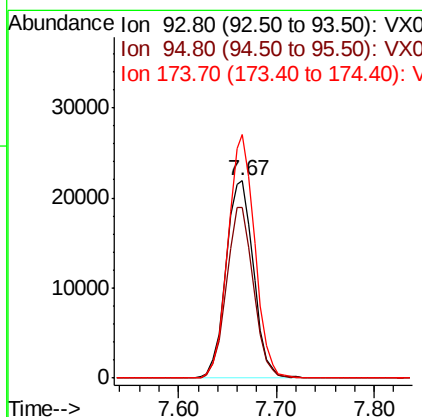
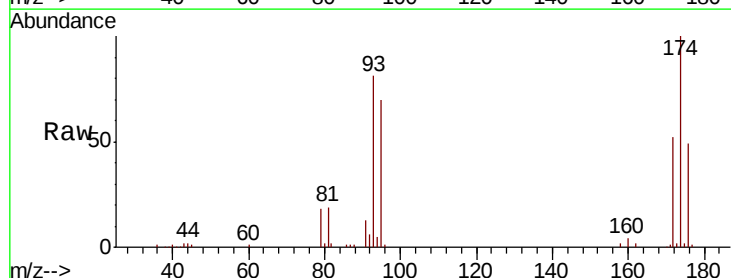
Manual Integrations
 APPROVED

MMDadoda
 9/4/2018 12:10:57 PM



#46
 Dibromomethane
 Concen: 21.26 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.01 min
 Lab File: VX004336.D
 Acq: 31 Aug 2018 19:40

Tgt Ion: 93 Resp: 42803
 Ion Ratio Lower Upper
 93 100
 95 84.7 65.5 98.3
 174 119.5 94.2 141.4





#47

Bromodichloromethane

Concen: 21.36 ug/l

RT: 7.90 min Scan# 1199

Delta R.T. 0.00 min

Lab File: VX004336.D

Acq: 31 Aug 2018 19:40

Instrument :

MSVOA_X

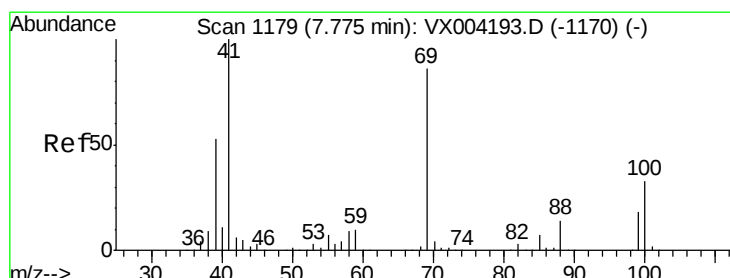
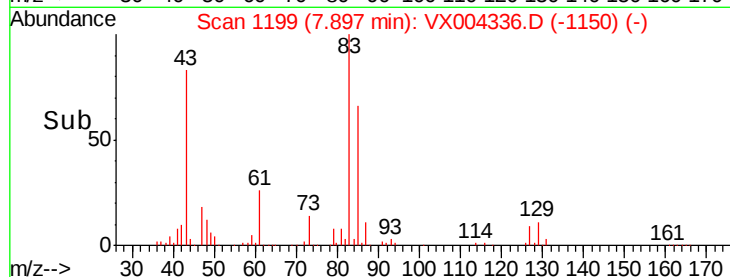
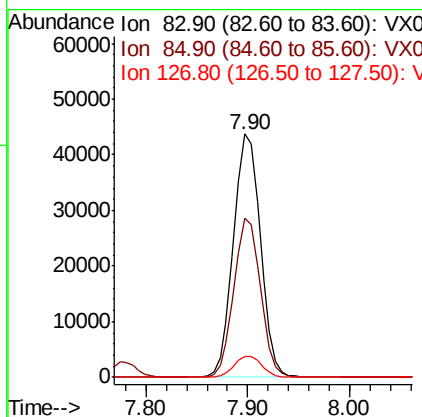
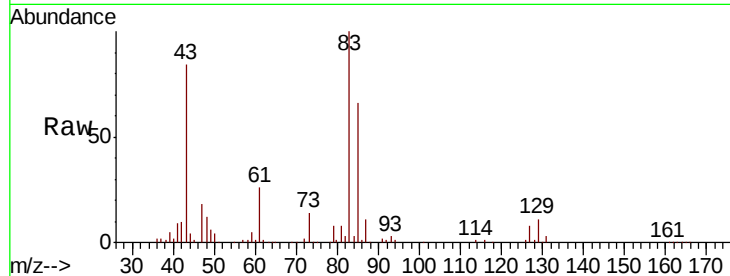
ClientSampleId :

VX0831WBS02

Tot Ion:	83	Resp:	80048
Ion	Ratio	Lower	Upper
83	100		
85	65.5	50.9	76.3
127	8.5	7.3	10.9

Manual Integrations
APPROVED

MMDadoda
9/4/2018 12:10:57 PM



#48

Methyl methacrylate

Concen: 22.01 ug/l

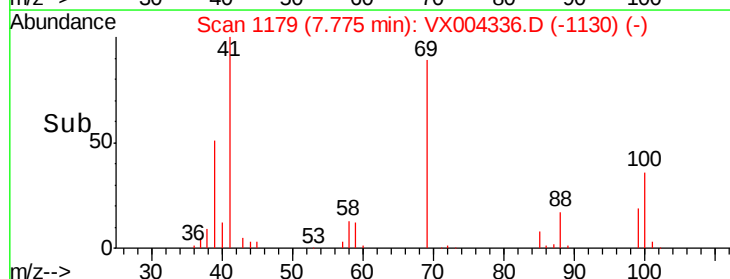
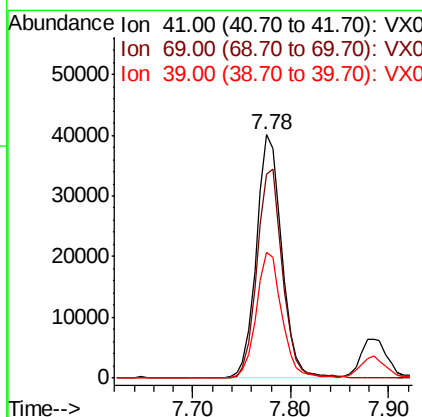
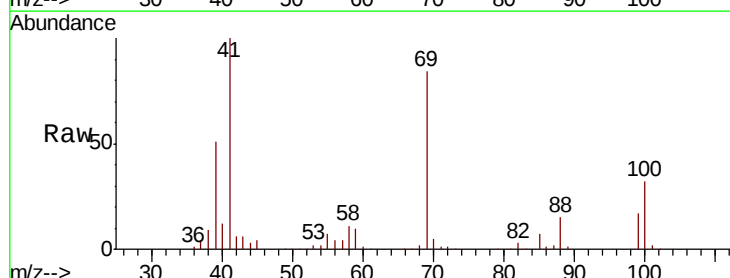
RT: 7.78 min Scan# 1179

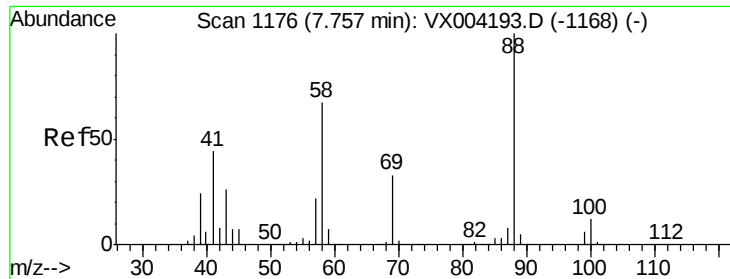
Delta R.T. 0.00 min

Lab File: VX004336.D

Acq: 31 Aug 2018 19:40

Tgt Ion:	41	Resp:	71960
Ion	Ratio	Lower	Upper
41	100		
69	86.6	70.2	105.4
39	52.4	42.7	64.1





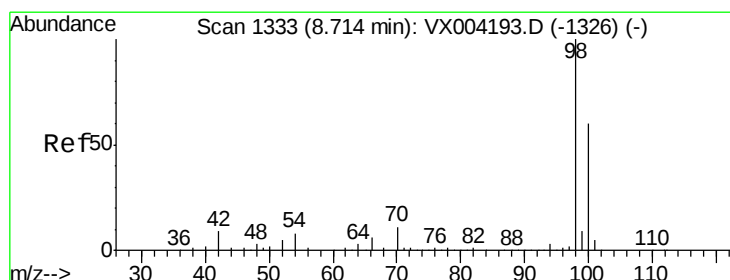
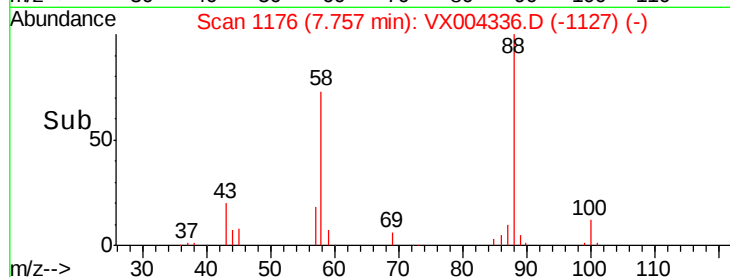
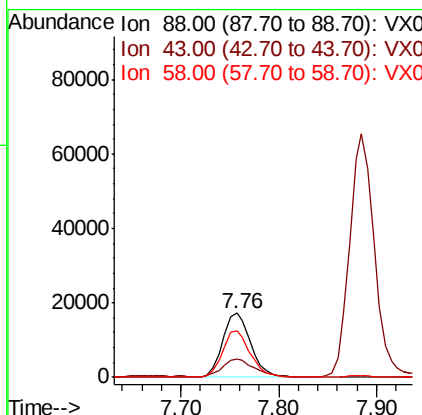
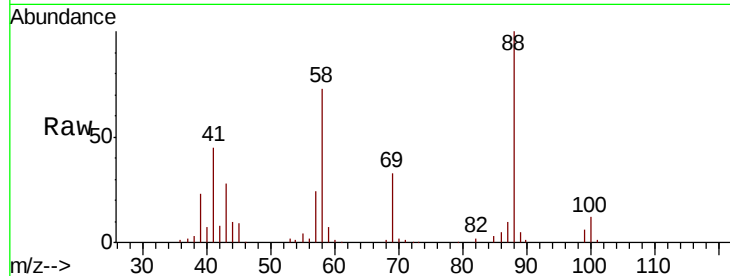
#49
1,4-Dioxane
Concen: 464.07 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VX004336.D
Acq: 31 Aug 2018 19:40

Instrument :
MSVOA_X
ClientSampled :
VX0831WBS02

Tot Ion	88	Resp	34454
Ion Ratio	Lower	Upper	
88	100		
43	30.3	24.7	37.1
58	71.7	55.3	82.9

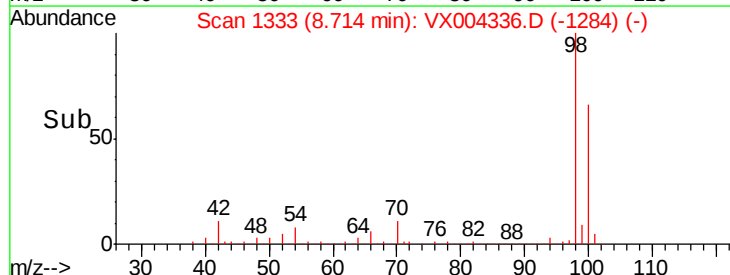
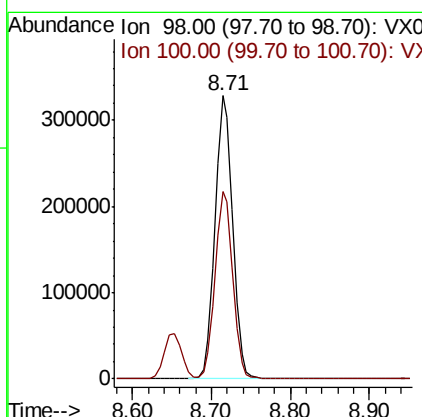
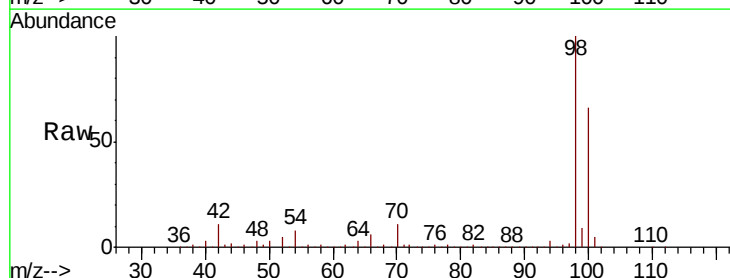
Manual Integrations
APPROVED

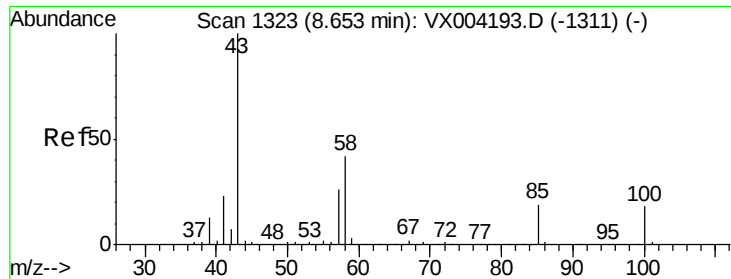
MMDadoda
9/4/2018 12:10:57 PM



#50
Toluene-d8
Concen: 50.71 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. 0.00 min
Lab File: VX004336.D
Acq: 31 Aug 2018 19:40

Tgt Ion	98	Resp	512208
Ion Ratio	Lower	Upper	
98	100		
100	66.4	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 107.86 ug/l

RT: 8.65 min Scan# 1322

Delta R.T. -0.01 min

Lab File: VX004336.D

Acq: 31 Aug 2018 19:40

Instrument :

MSVOA_X

ClientSampleId :

VX0831WBS02

Tot Ion: 43 Resp: 478948

Ion Ratio Lower Upper

43 100

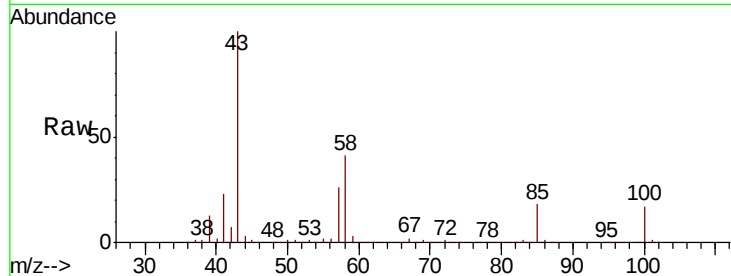
58 41.0 33.1 49.7

Manual Integrations

APPROVED

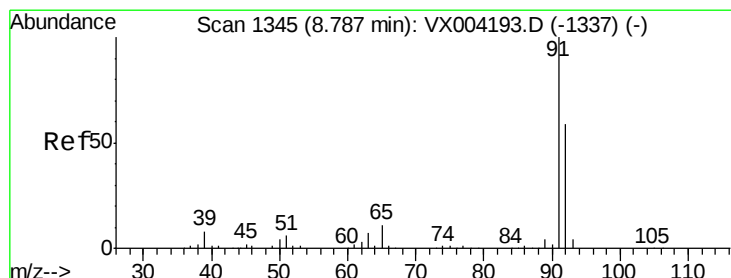
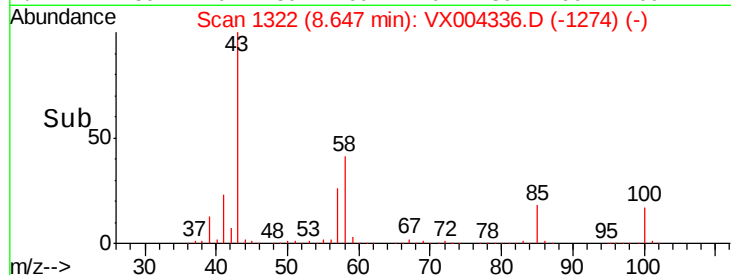
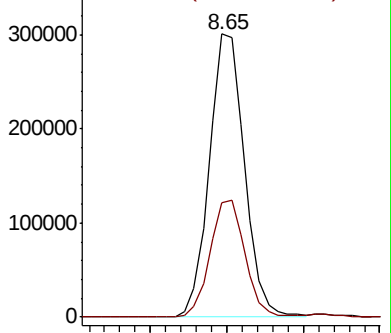
MMDadoda

9/4/2018 12:10:57 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 20.75 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX004336.D

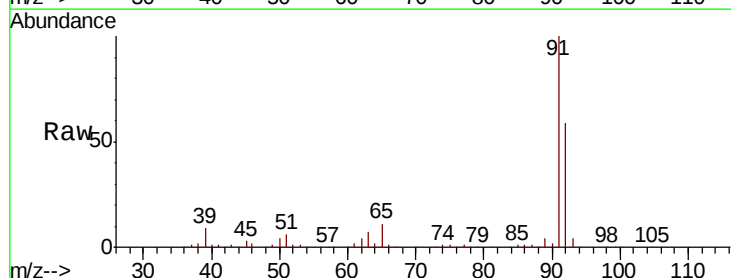
Acq: 31 Aug 2018 19:40

Tgt Ion: 92 Resp: 156941

Ion Ratio Lower Upper

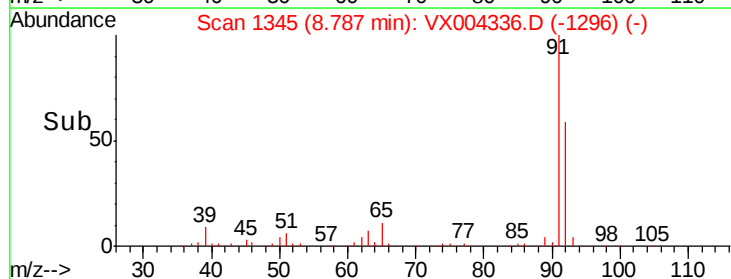
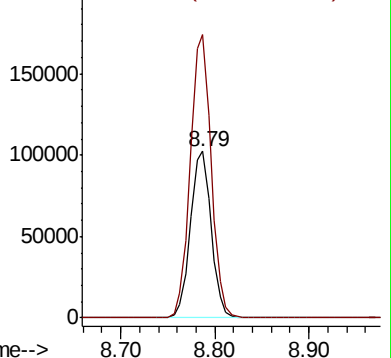
92 100

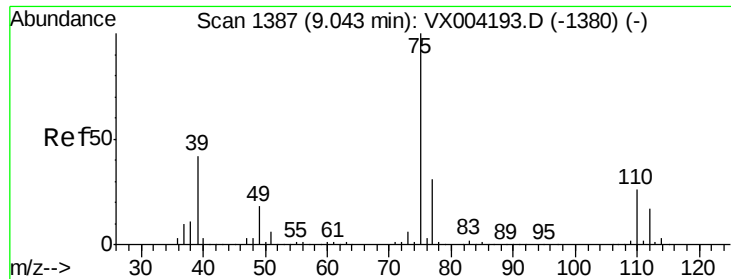
91 170.8 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





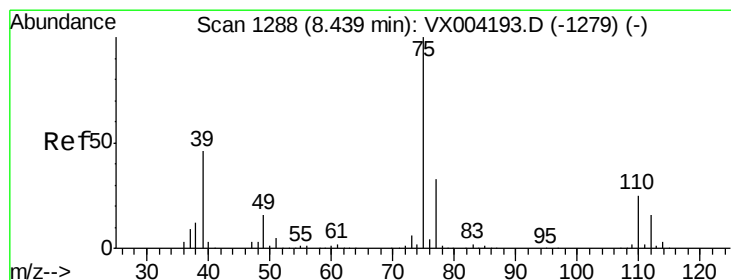
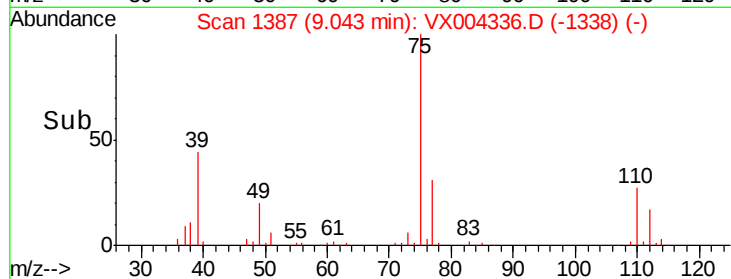
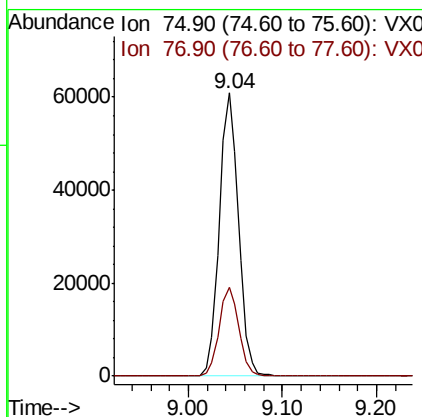
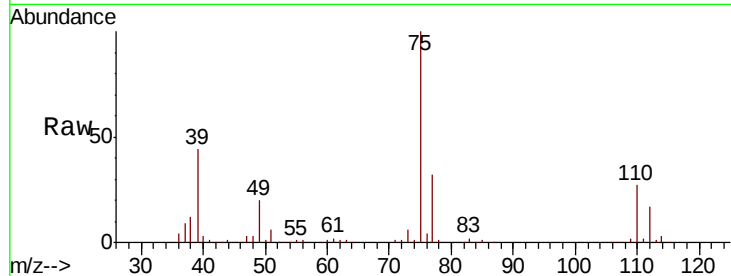
#53
t-1,3-Dichloropropene
Concen: 20.86 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VX004336.D
Acq: 31 Aug 2018 19:40

Instrument :
MSVOA_X
ClientSampleId :
VX0831WBS02

Tot Ion: 75 Resp: 86344
Ion Ratio Lower Upper
75 100
77 31.5 24.6 37.0

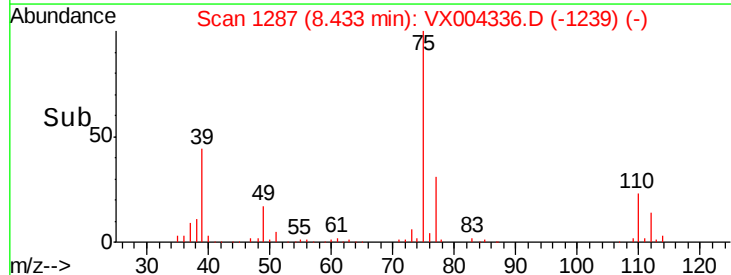
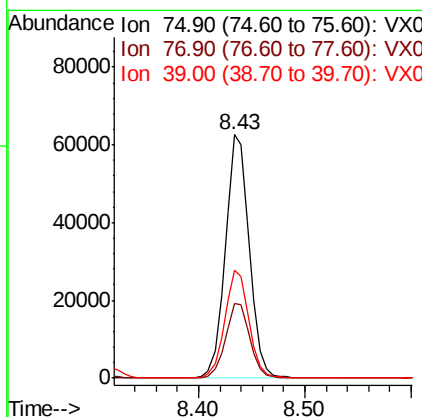
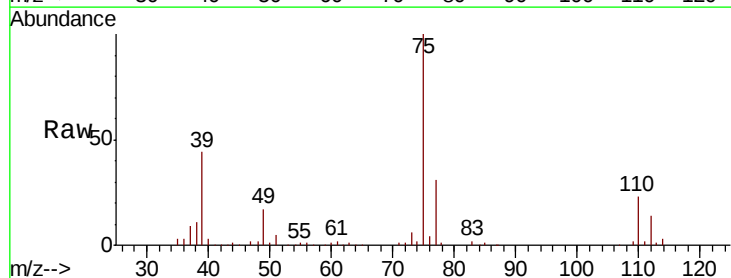
Manual Integrations
APPROVED

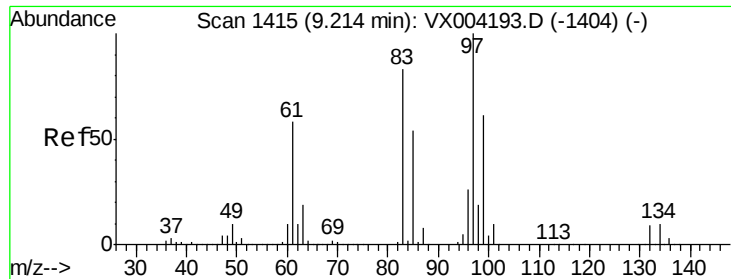
MMDadoda
9/4/2018 12:10:57 PM



#54
cis-1,3-Dichloropropene
Concen: 21.77 ug/l
RT: 8.43 min Scan# 1287
Delta R.T. -0.01 min
Lab File: VX004336.D
Acq: 31 Aug 2018 19:40

Tgt Ion: 75 Resp: 98118
Ion Ratio Lower Upper
75 100
77 30.7 26.2 39.2
39 44.3 36.4 54.6





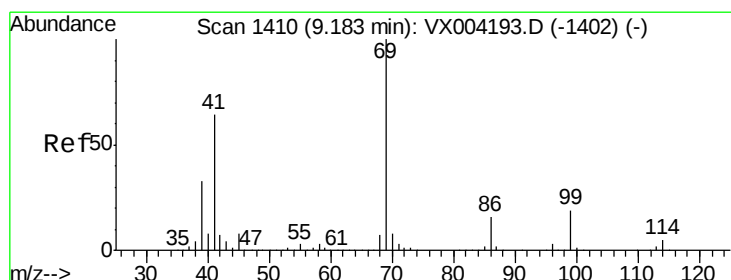
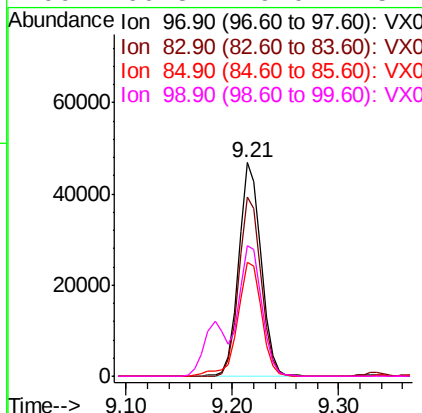
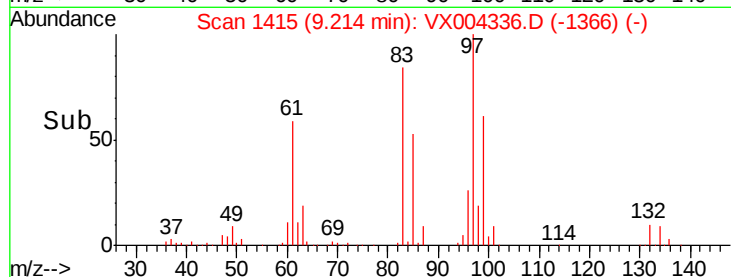
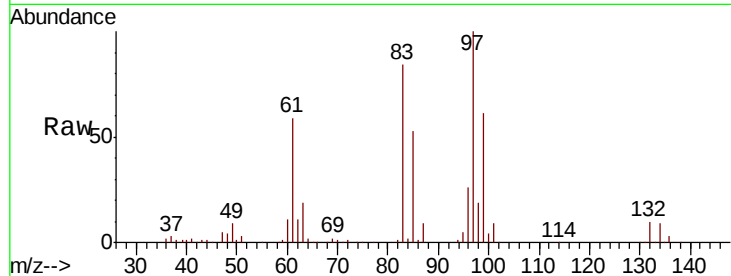
#55
 1,1,2-Trichloroethane
 Concen: 22.68 ug/l
 RT: 9.21 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VX004336.D
 Acq: 31 Aug 2018 19:40

Instrument :
 MSVOA_X
 ClientSampled :
 VX0831WBS02

Tot Ion	97	Resp	69254
Ion	Ratio	Lower	Upper
97	100		
83	83.7	66.4	99.6
85	53.5	43.3	64.9
99	60.8	49.0	73.4

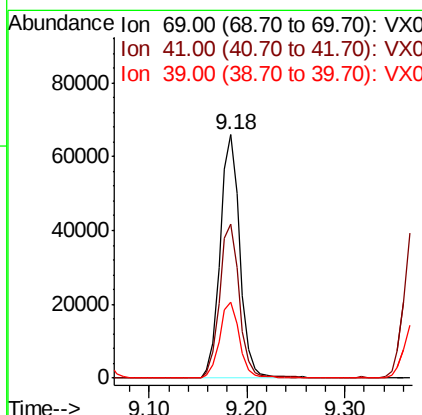
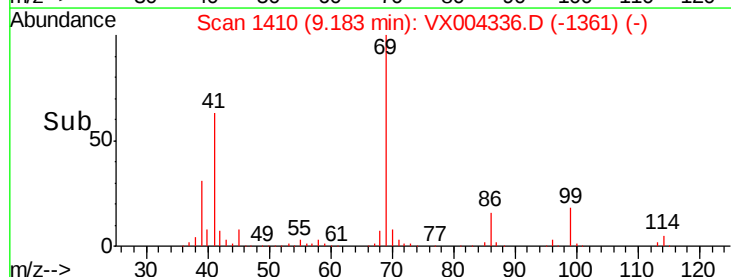
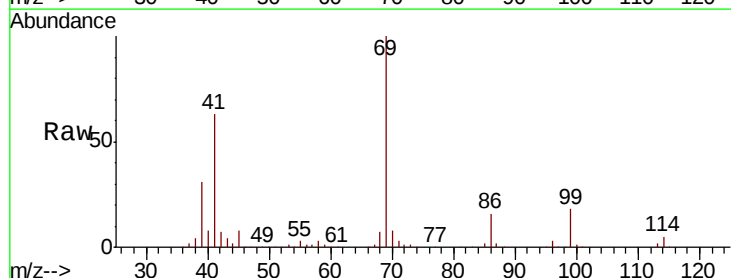
Manual Integrations
 APPROVED

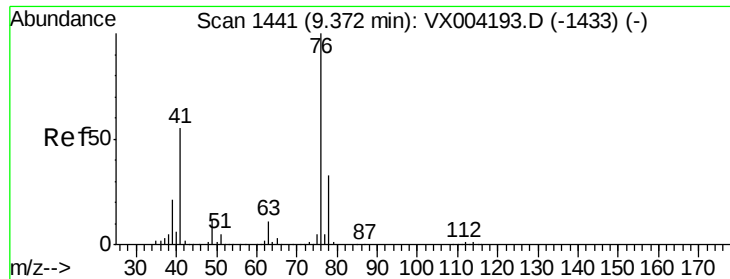
MMDadoda
 9/4/2018 12:10:57 PM



#56
 Ethyl methacrylate
 Concen: 22.12 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX004336.D
 Acq: 31 Aug 2018 19:40

Tgt Ion	69	Resp	91960
Ion	Ratio	Lower	Upper
69	100		
41	63.7	51.0	76.4
39	31.2	26.1	39.1





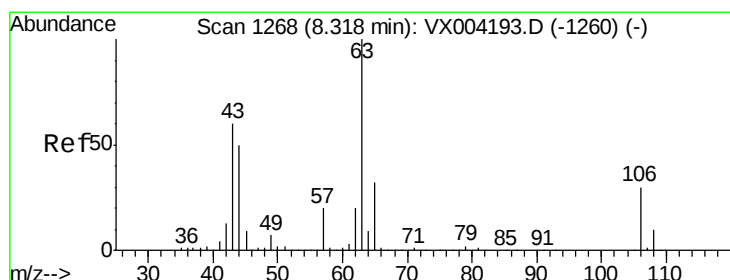
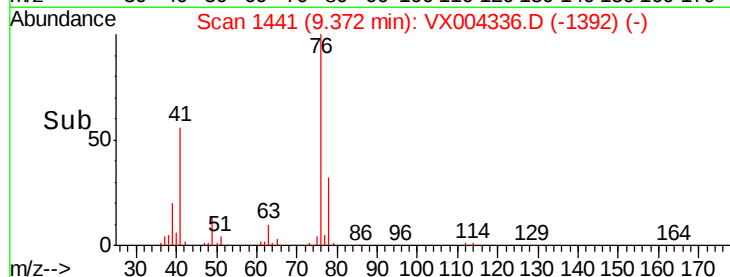
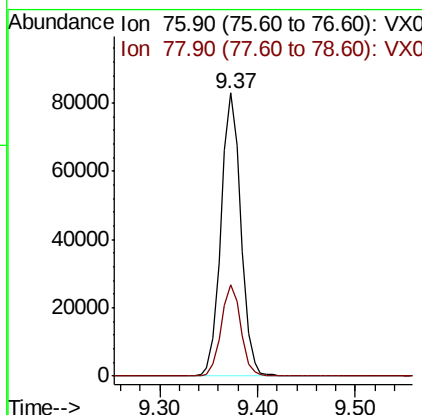
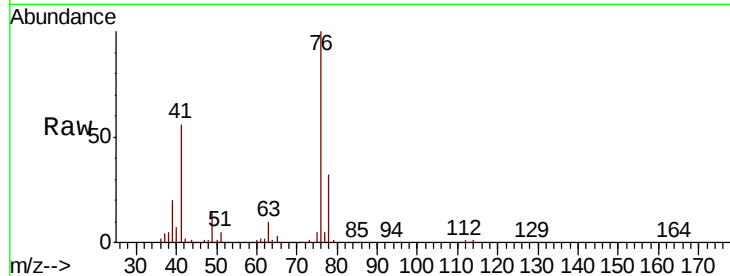
#57
 1,3-Dichloropropane
 Concen: 22.71 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VX004336.D
 Acq: 31 Aug 2018 19:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831WBS02

Tot Ion: 76 Resp: 116903
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.5 38.3

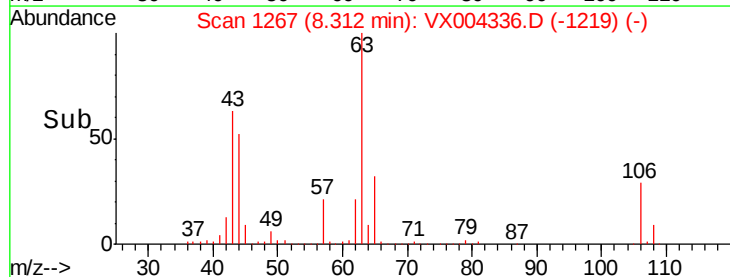
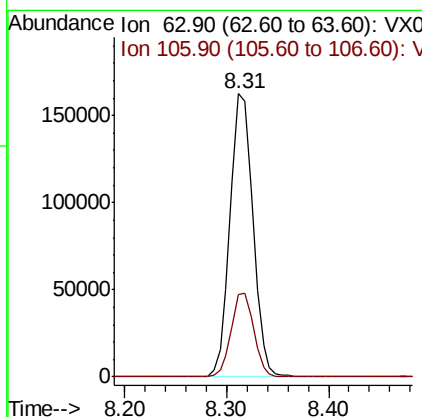
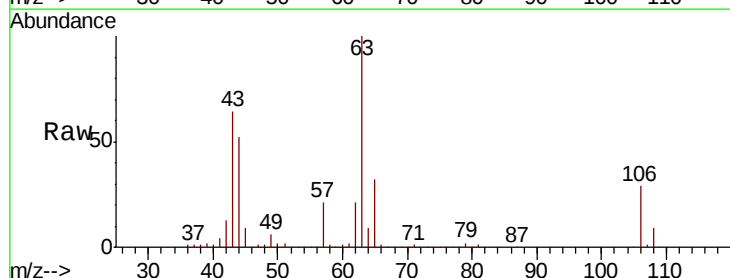
Manual Integrations
 APPROVED

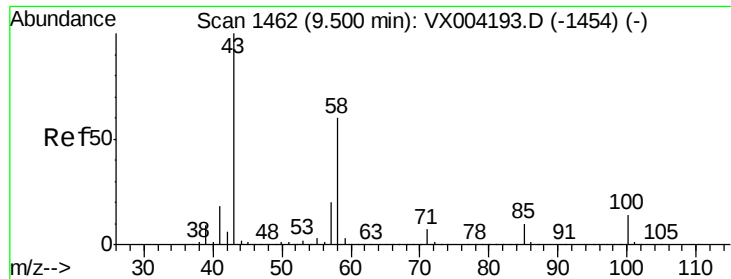
MMDadoda
 9/4/2018 12:10:57 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 118.36 ug/l
 RT: 8.31 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: VX004336.D
 Acq: 31 Aug 2018 19:40

Tgt Ion: 63 Resp: 252080
 Ion Ratio Lower Upper
 63 100
 106 29.3 23.9 35.9





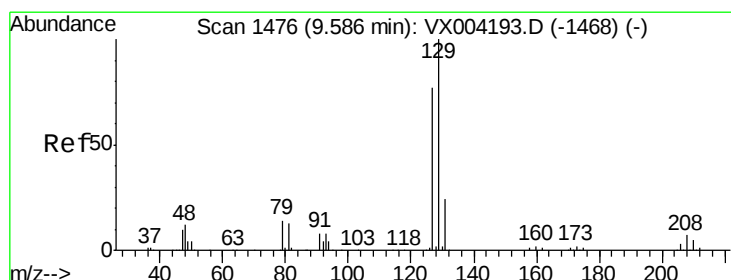
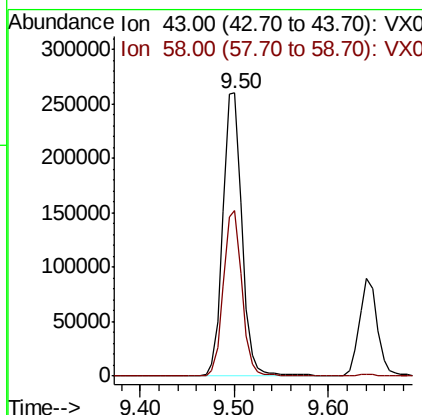
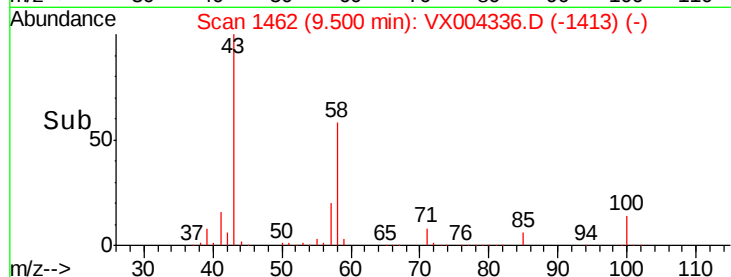
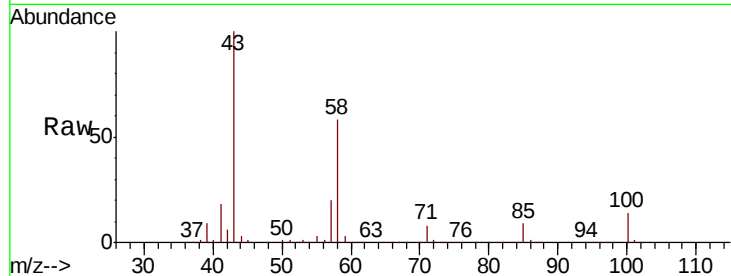
#59
2-Hexanone
Concen: 107.80 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX004336.D
Acq: 31 Aug 2018 19:40

Instrument :
MSVOA_X
ClientSampleId :
VX0831WBS02

Tot Ion: 43 Resp: 365173
Ion Ratio Lower Upper
43 100
58 57.3 29.0 87.0

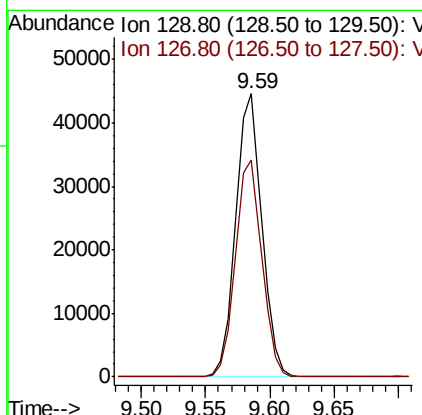
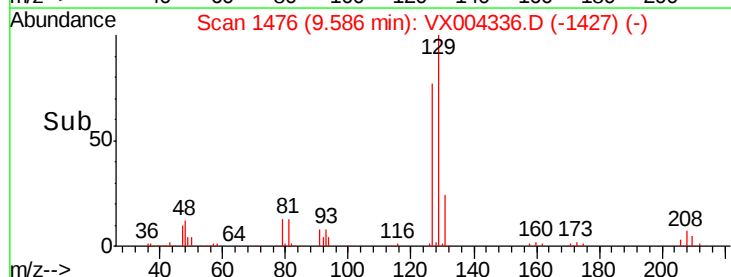
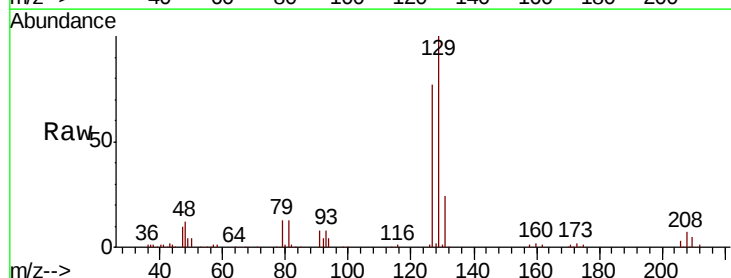
Manual Integrations
APPROVED

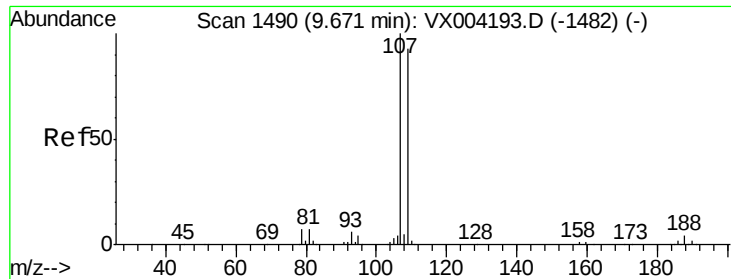
MMDadoda
9/4/2018 12:10:57 PM



#60
Dibromochloromethane
Concen: 21.17 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX004336.D
Acq: 31 Aug 2018 19:40

Tgt Ion: 129 Resp: 62986
Ion Ratio Lower Upper
129 100
127 77.4 38.5 115.5





#61

1,2-Dibromoethane

Concen: 22.22 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. 0.00 min

Lab File: VX004336.D

Acq: 31 Aug 2018 19:40

Instrument :

MSVOA_X

ClientSampleId :

VX0831WBS02

Tot Ion:107 Resp: 70197

Ion Ratio Lower Upper

107 100

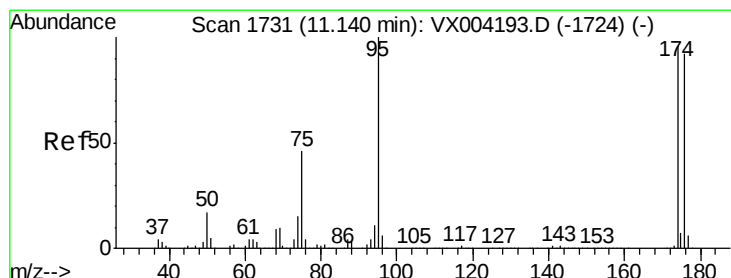
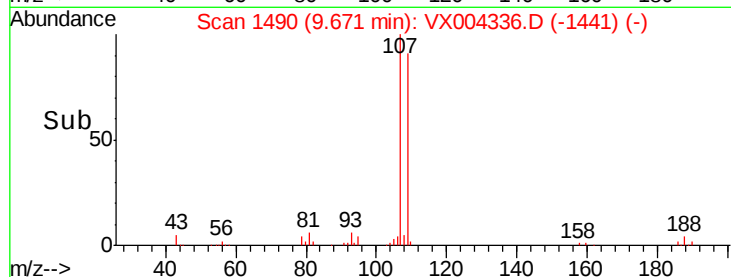
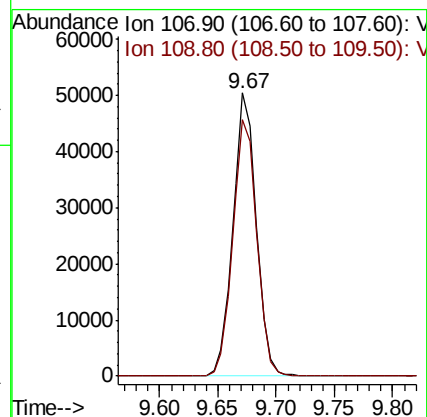
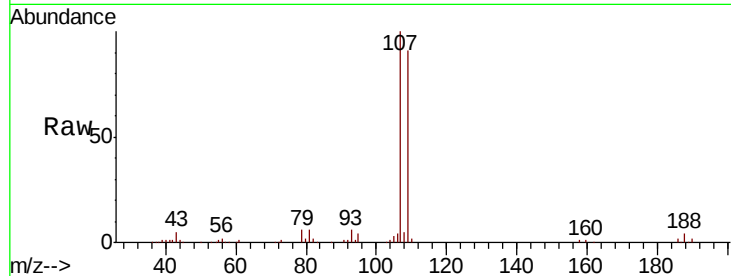
109 93.2 76.0 114.0

Manual Integrations

APPROVED

MMDadoda

9/4/2018 12:10:57 PM



#62

4-Bromofluorobenzene

Concen: 52.00 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX004336.D

Acq: 31 Aug 2018 19:40

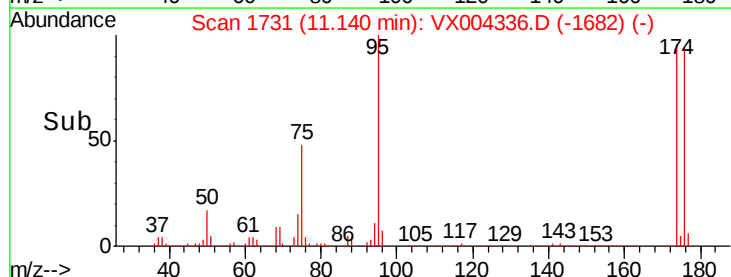
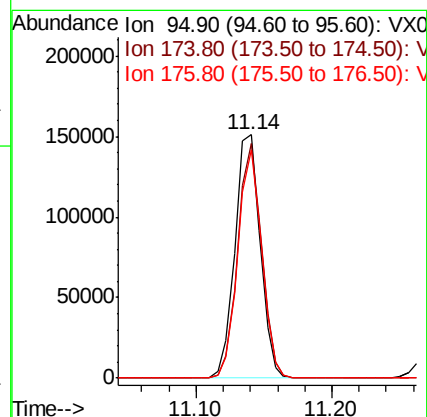
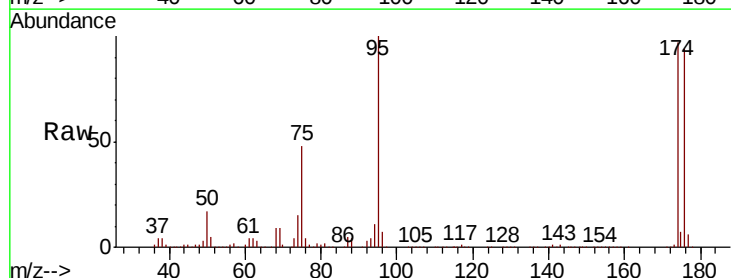
Tgt Ion: 95 Resp: 195964

Ion Ratio Lower Upper

95 100

174 91.3 0.0 185.2

176 88.7 0.0 178.6





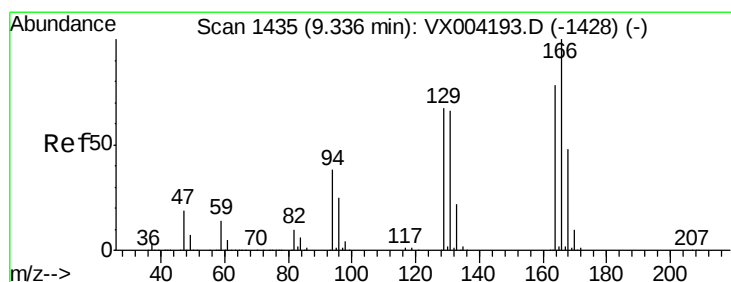
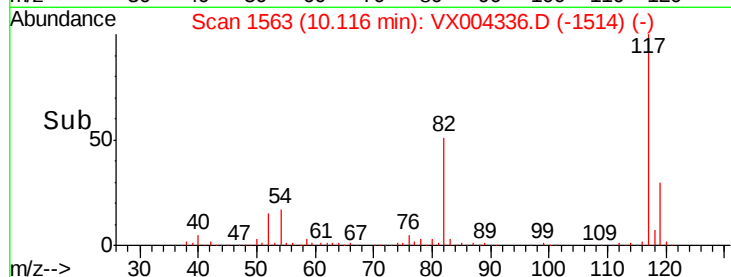
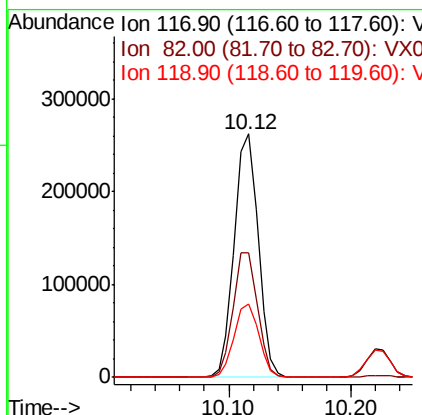
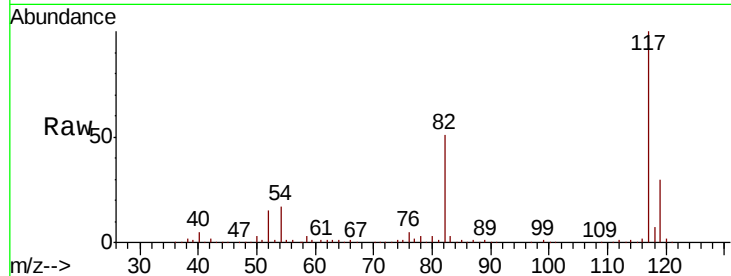
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX004336.D
Acq: 31 Aug 2018 19:40

Instrument :
MSVOA_X
ClientSampleId :
VX0831WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.0	47.8	71.6
119	30.3	29.3	43.9

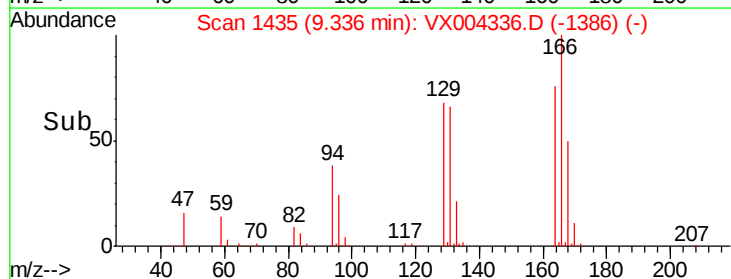
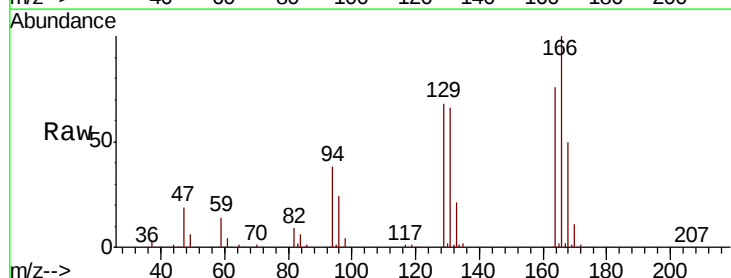
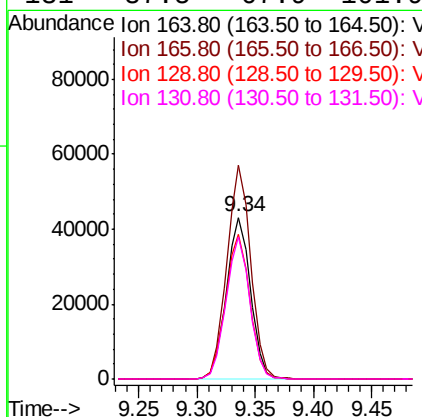
Manual Integrations
APPROVED

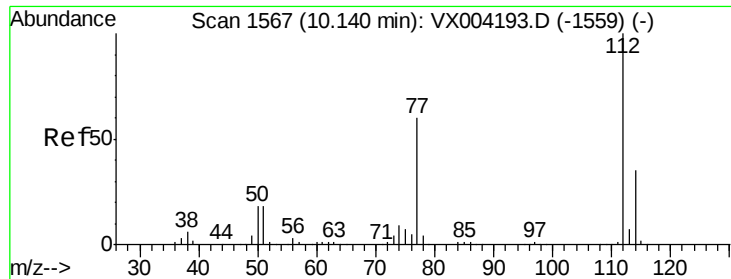
MMDadoda
9/4/2018 12:10:57 PM



#64
Tetrachloroethene
Concen: 17.67 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX004336.D
Acq: 31 Aug 2018 19:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.1	102.8	154.2
129	89.5	69.4	104.0
131	87.5	67.9	101.9





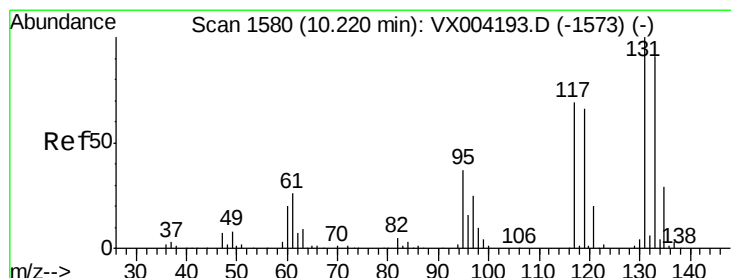
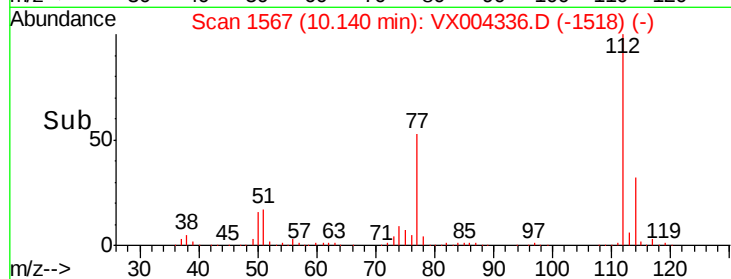
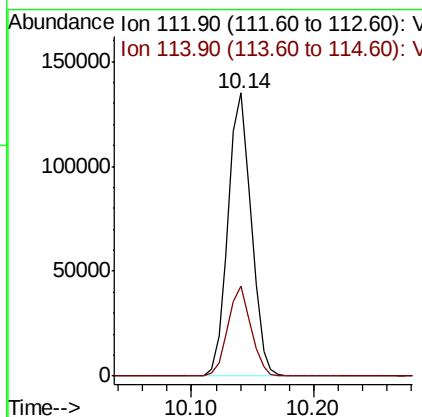
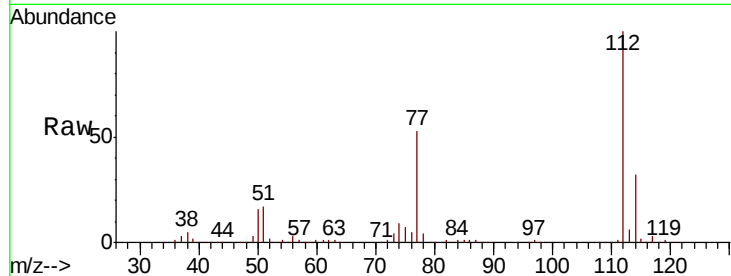
#65
Chlorobenzene
Concen: 19.85 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX004336.D
Acq: 31 Aug 2018 19:40

Instrument :
MSVOA_X
ClientSampled :
VX0831WBS02

Tot Ion:112 Resp: 177089
Ion Ratio Lower Upper
112 100
114 31.8 27.8 41.8

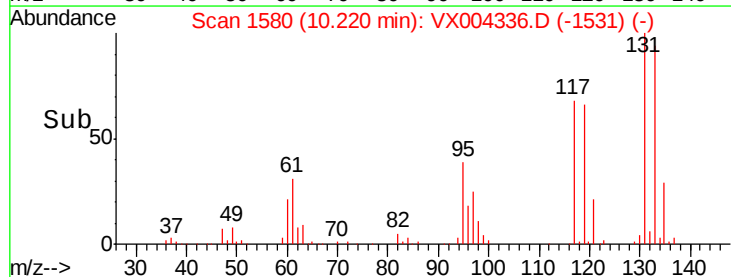
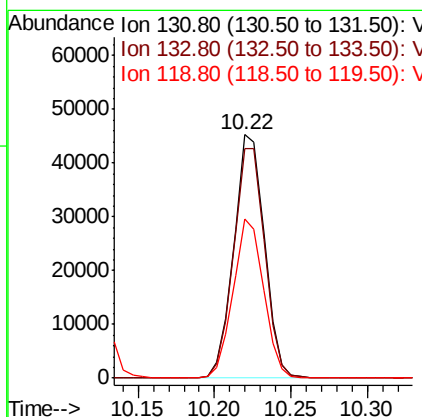
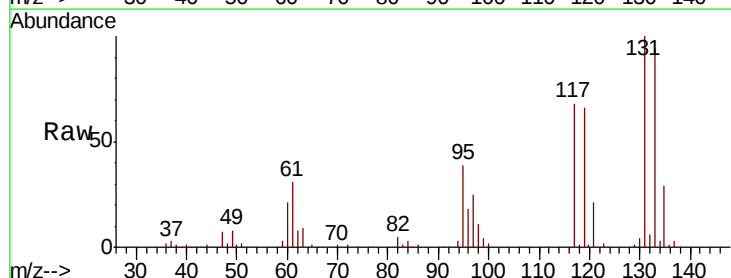
Manual Integrations
APPROVED

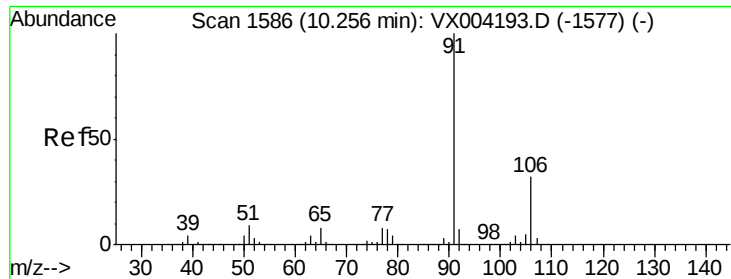
MMDadoda
9/4/2018 12:10:57 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.45 ug/l
RT: 10.22 min Scan# 1580
Delta R.T. 0.00 min
Lab File: VX004336.D
Acq: 31 Aug 2018 19:40

Tgt Ion:131 Resp: 62918
Ion Ratio Lower Upper
131 100
133 96.4 48.1 144.4
119 65.3 32.9 98.6





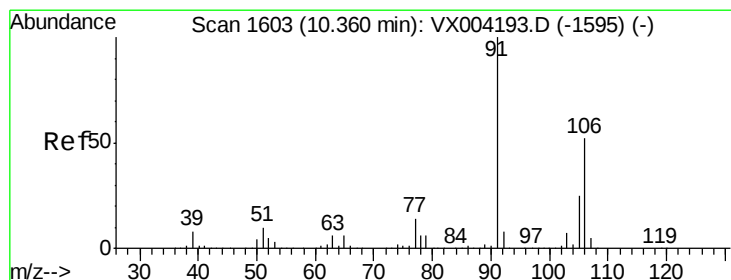
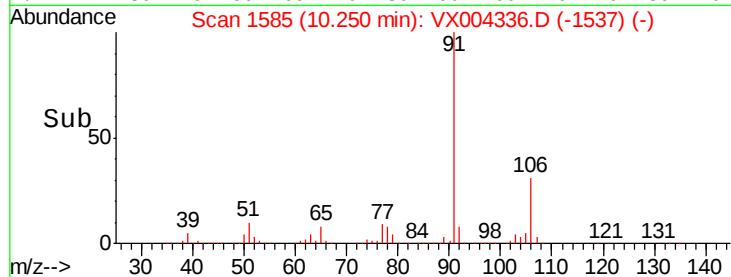
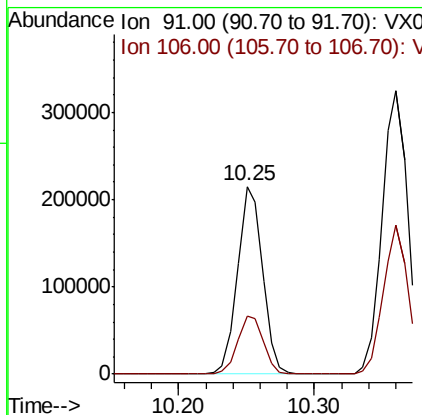
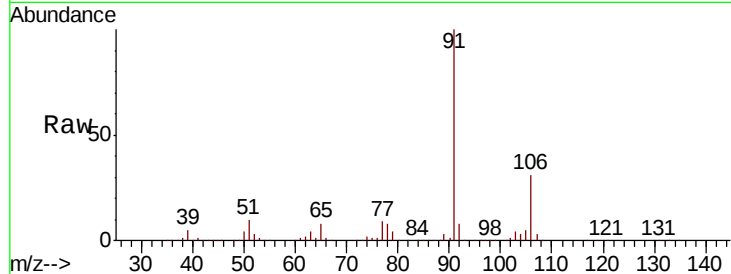
#67
Ethyl Benzene
Concen: 19.02 ug/l
RT: 10.25 min Scan# 1585
Delta R.T. -0.01 min
Lab File: VX004336.D
Acq: 31 Aug 2018 19:40

Instrument :
MSVOA_X
ClientSampled :
VX0831WBS02

Tot Ion: 91 Resp: 275510
Ion Ratio Lower Upper
91 100
106 30.8 25.9 38.9

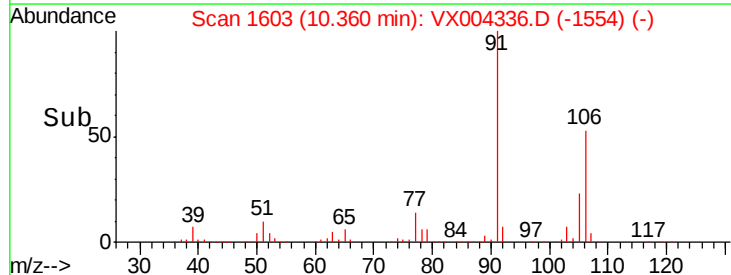
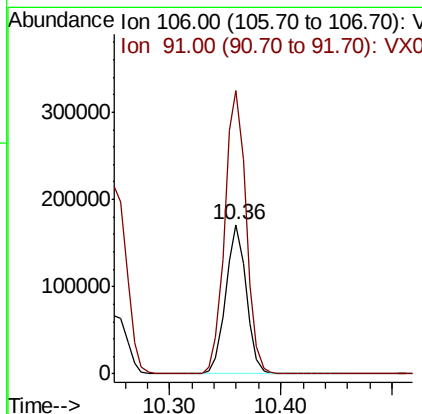
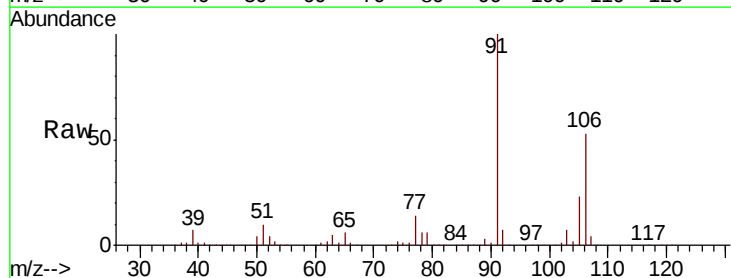
Manual Integrations
APPROVED

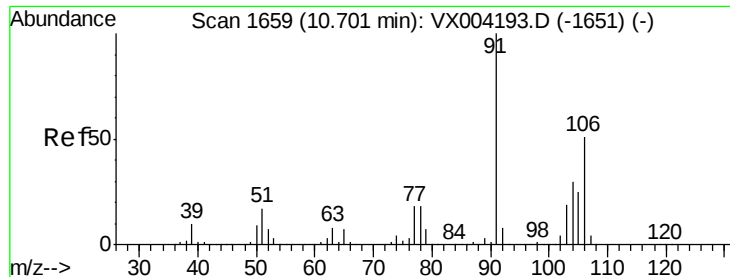
MMDadoda
9/4/2018 12:10:57 PM



#68
m/p-Xylenes
Concen: 38.42 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX004336.D
Acq: 31 Aug 2018 19:40

Tgt Ion: 106 Resp: 217629
Ion Ratio Lower Upper
106 100
91 197.2 157.1 235.7





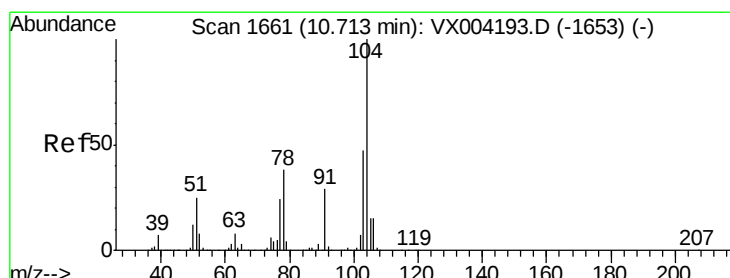
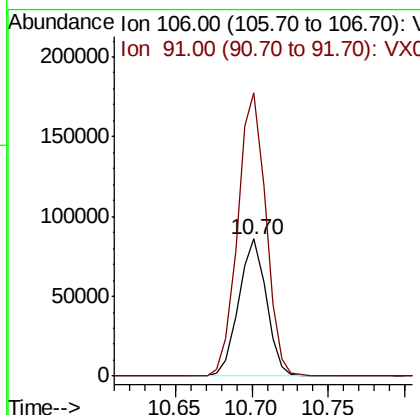
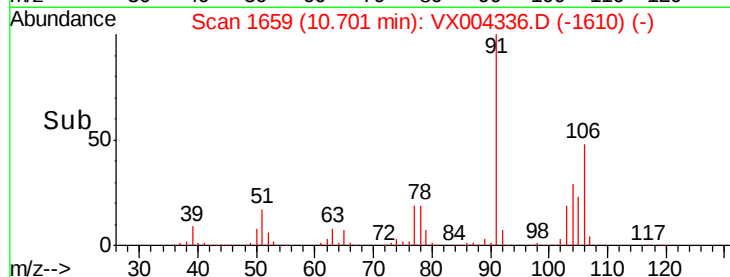
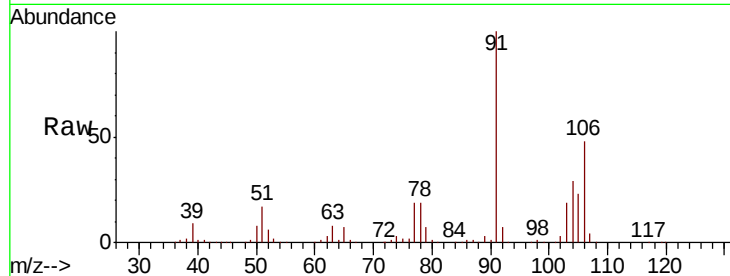
#69
o-Xylene
Concen: 20.11 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX004336.D
Acq: 31 Aug 2018 19:40

Instrument :
MSVOA_X
ClientSampled :
VX0831WBS02

Tot Ion:106 Resp: 107757
Ion Ratio Lower Upper
106 100
91 211.0 105.1 315.1

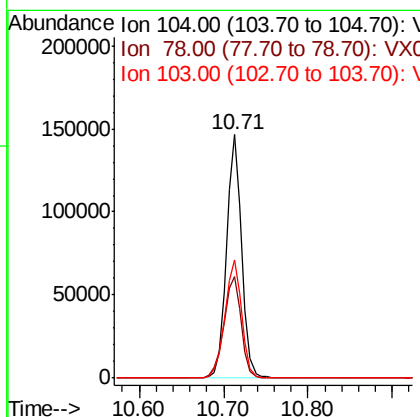
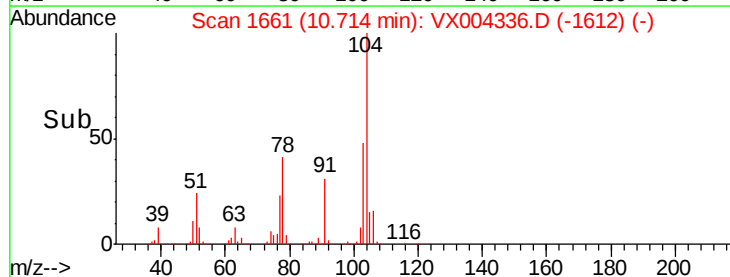
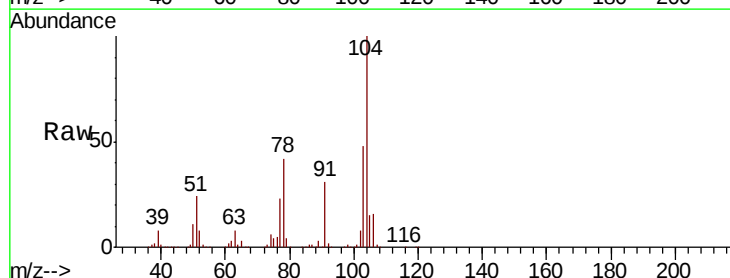
Manual Integrations
APPROVED

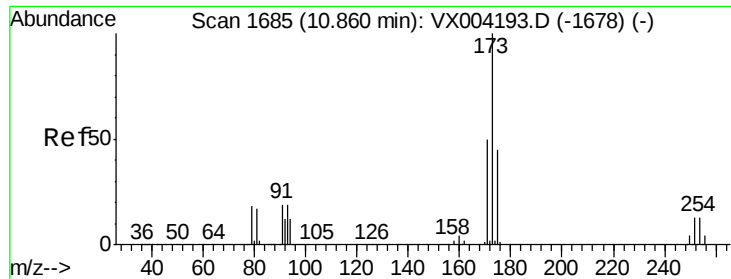
MMDadoda
9/4/2018 12:10:57 PM



#70
Styrene
Concen: 20.98 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX004336.D
Acq: 31 Aug 2018 19:40

Tgt Ion:104 Resp: 181988
Ion Ratio Lower Upper
104 100
78 47.9 37.4 56.0
103 54.1 43.8 65.6





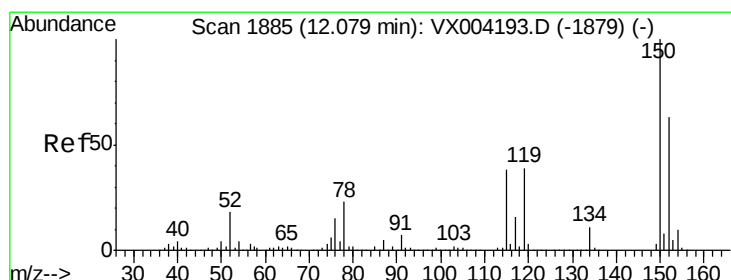
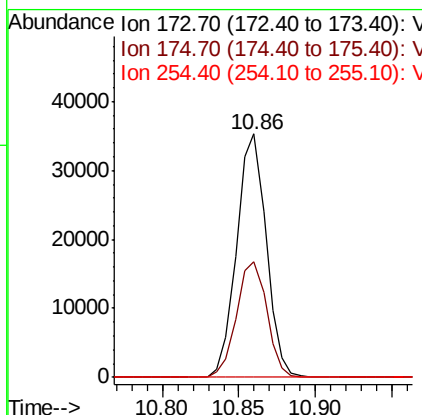
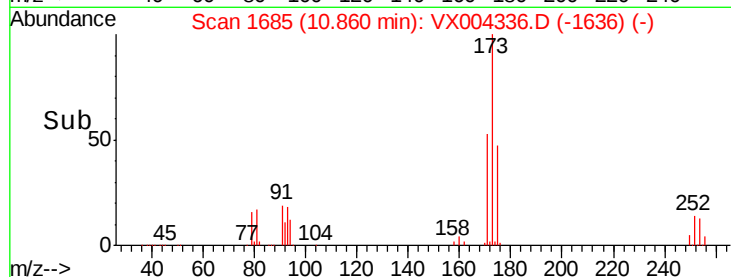
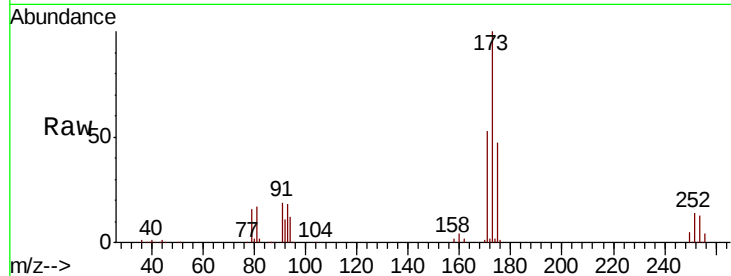
#71
Bromoform
Concen: 19.07 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX004336.D
Acq: 31 Aug 2018 19:40

Instrument :
MSVOA_X
ClientSampled :
VX0831WBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.1	72.3
254	0.2	0.2	0.2

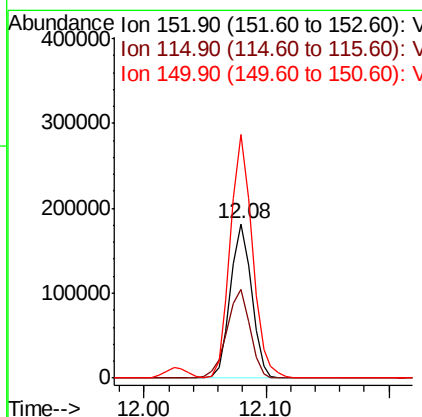
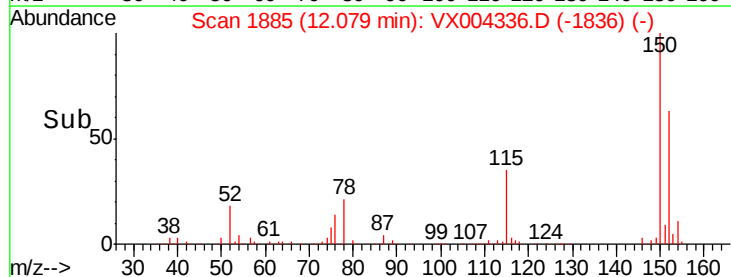
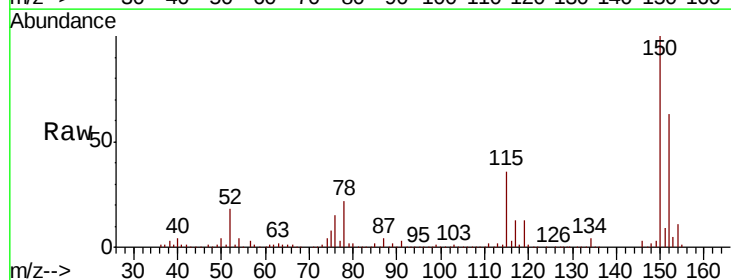
Manual Integrations
APPROVED

MMDadoda
9/4/2018 12:10:57 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX004336.D
Acq: 31 Aug 2018 19:40

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.2	39.0	117.0
150	164.8	0.0	351.0





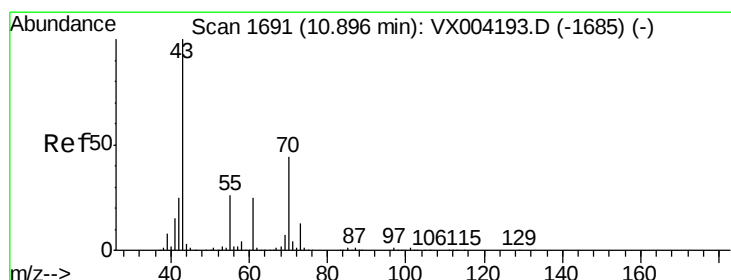
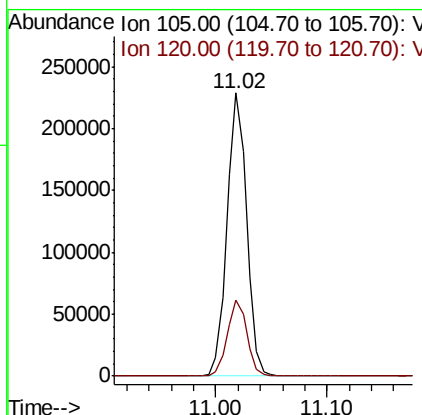
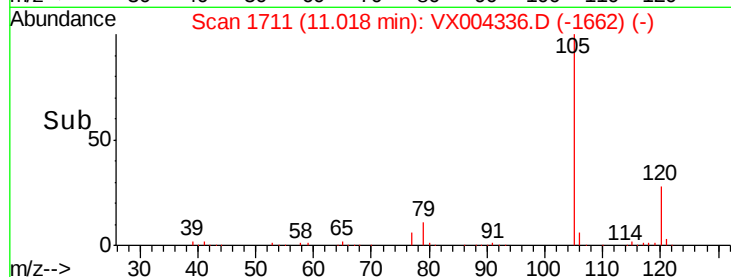
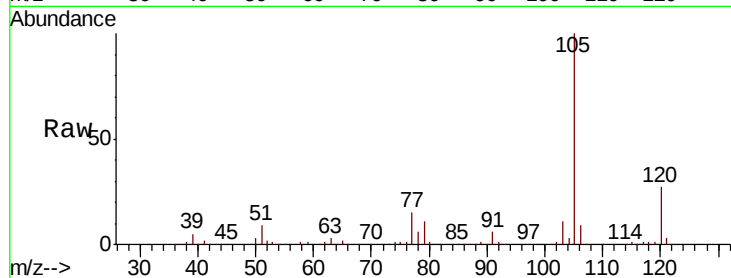
#73
Isopropylbenzene
Concen: 19.54 ug/l
RT: 11.02 min Scan# 1711
Delta R.T. 0.00 min
Lab File: VX004336.D
Acq: 31 Aug 2018 19:40

Instrument :
MSVOA_X
ClientSampled :
VX0831WBS02

Tot Ion: 105 Resp: 277697
Ion Ratio Lower Upper
105 100
120 26.9 13.5 40.4

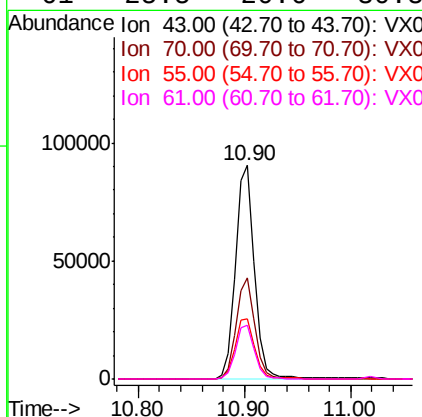
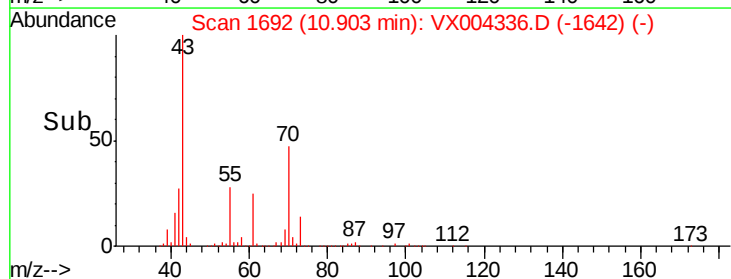
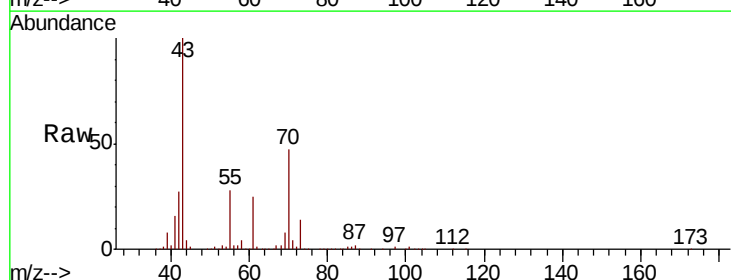
Manual Integrations
APPROVED

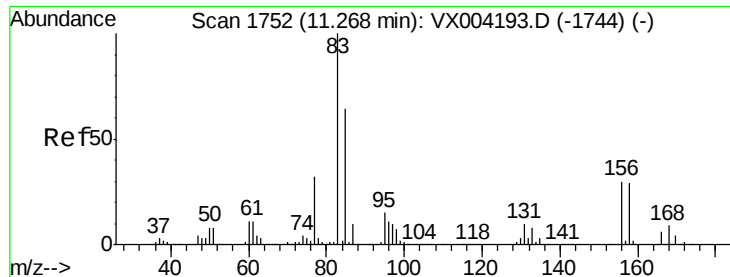
MMDadoda
9/4/2018 12:10:57 PM



#74
N-ethyl acetate
Concen: 20.66 ug/l
RT: 10.90 min Scan# 1692
Delta R.T. 0.01 min
Lab File: VX004336.D
Acq: 31 Aug 2018 19:40

Tgt Ion: 43 Resp: 113053
Ion Ratio Lower Upper
43 100
70 46.8 37.4 56.0
55 29.6 21.8 32.8
61 25.5 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 21.18 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VX004336.D

Acq: 31 Aug 2018 19:40

Instrument :

MSVOA_X

ClientSampled :

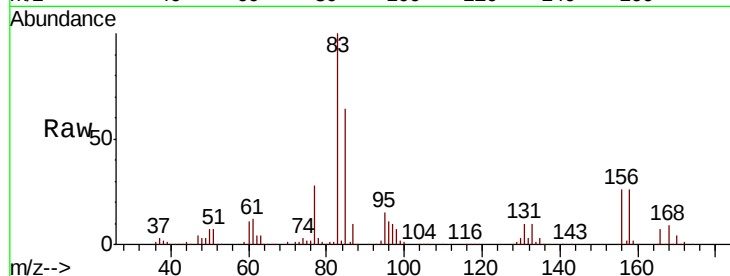
VX0831WBS02

Tot Ion: 83 Resp: 105307
Ion Ratio Lower Upper

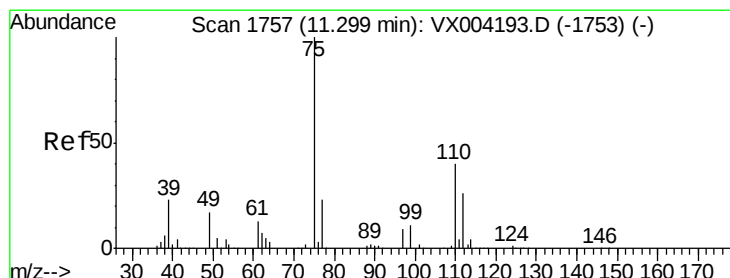
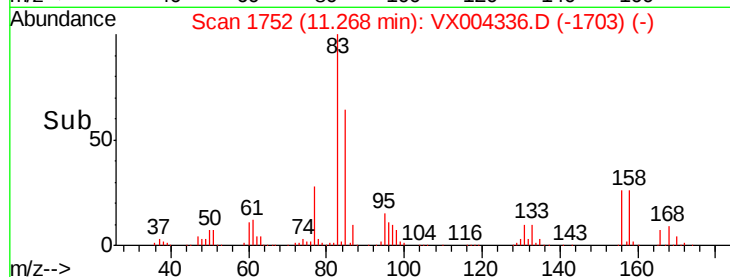
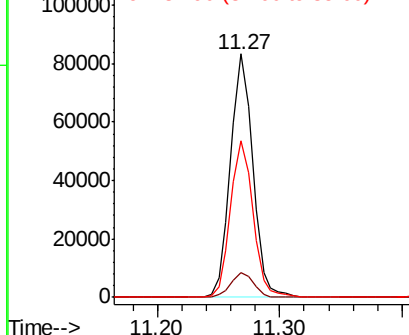
83	100		
131	10.3	5.2	15.6
85	65.0	32.3	96.8

Manual Integrations
APPROVED

MMDadoda
9/4/2018 12:10:57 PM



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 21.83 ug/l m

RT: 11.30 min Scan# 1757

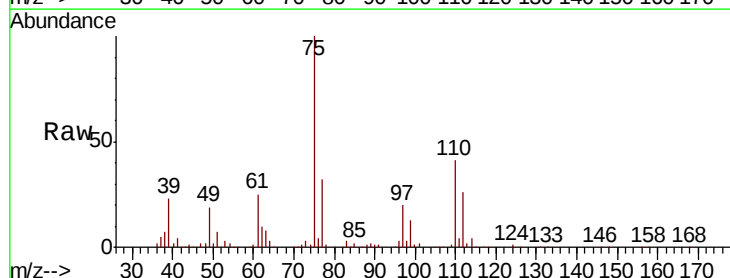
Delta R.T. 0.00 min

Lab File: VX004336.D

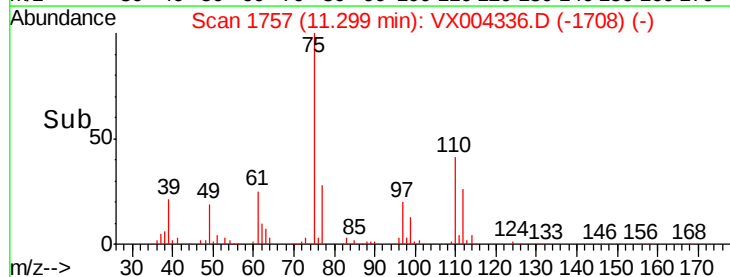
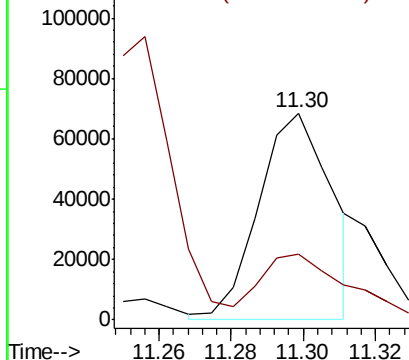
Acq: 31 Aug 2018 19:40

Tgt Ion: 75 Resp: 96064
Ion Ratio Lower Upper

75	100		
77	38.1	20.2	60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.55 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX004336.D

Acq: 31 Aug 2018 19:40

Instrument :

MSVOA_X

ClientSampleId :

VX0831WBS02

Tot Ion:156 Resp: 81903

Ion Ratio Lower Upper

156 100

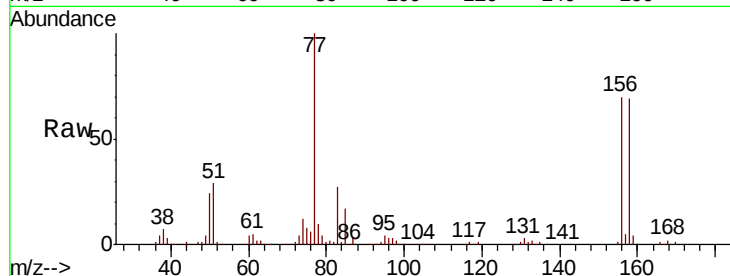
77 150.0 71.5 214.3

158 98.1 48.9 146.8

Manual Integrations
APPROVED

MMDadoda

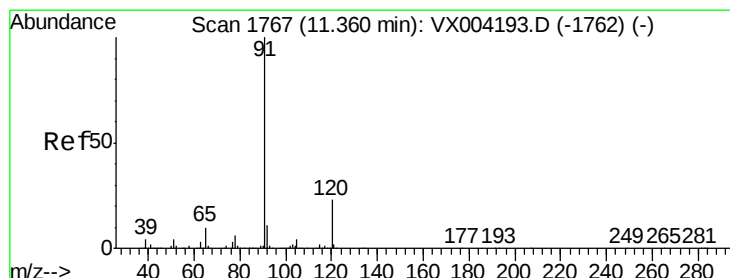
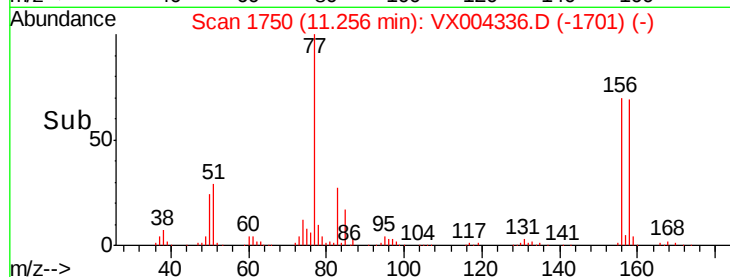
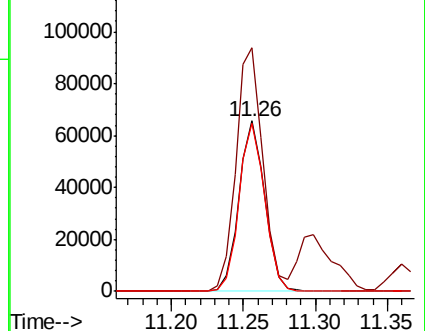
9/4/2018 12:10:57 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.36 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX004336.D

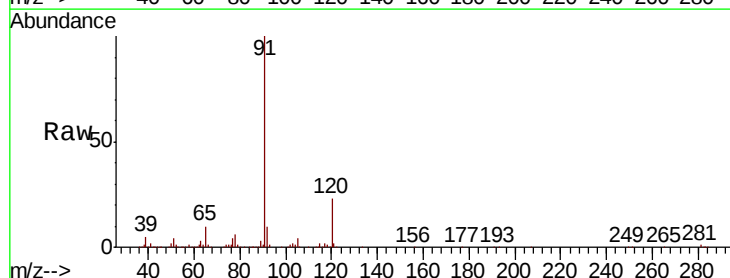
Acq: 31 Aug 2018 19:40

Tgt Ion: 91 Resp: 316379

Ion Ratio Lower Upper

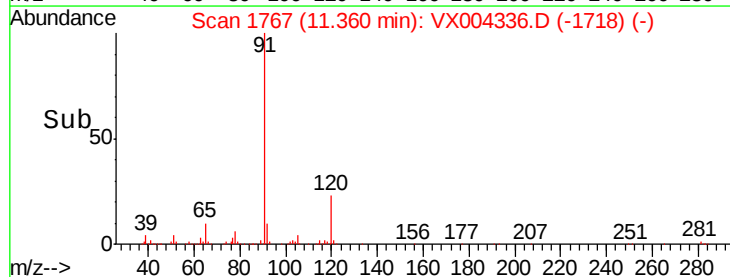
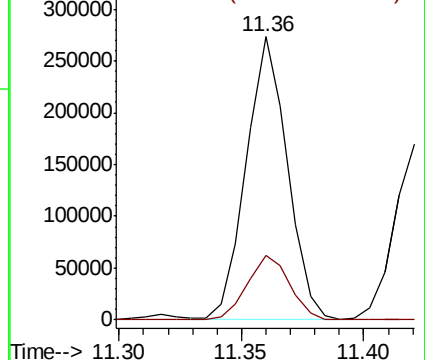
91 100

120 23.6 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





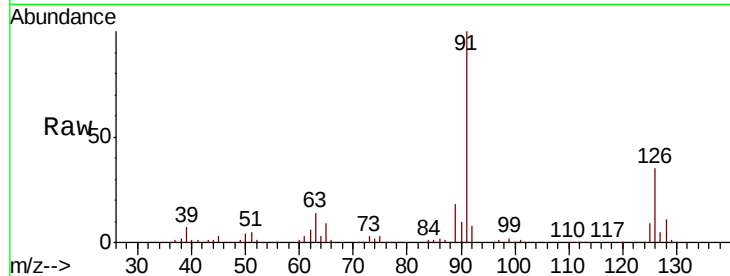
#79
 2-Chlorotoluene
 Concen: 20.29 ug/l
 RT: 11.42 min Scan# 1777
 Delta R.T. 0.00 min
 Lab File: VX004336.D
 Acq: 31 Aug 2018 19:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831WBS02

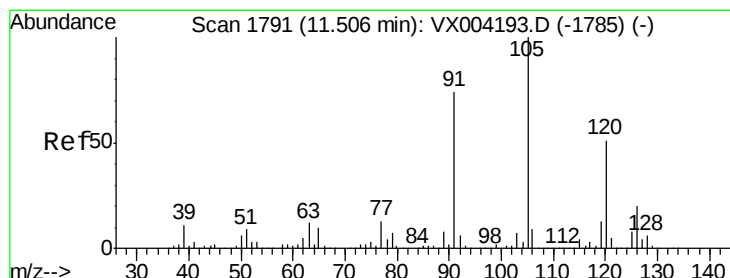
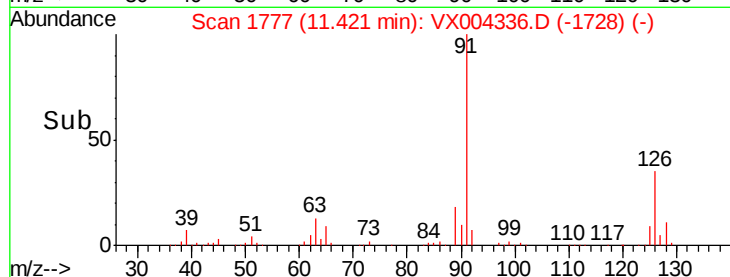
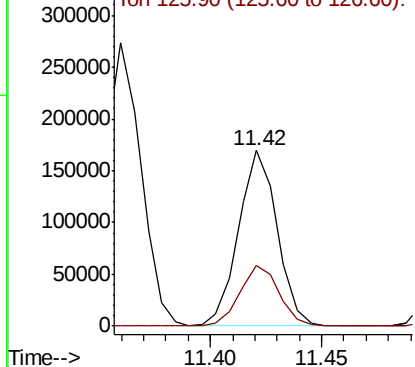
Tot Ion: 91 Resp: 204047
 Ion Ratio Lower Upper
 91 100
 126 35.5 17.9 53.7

Manual Integrations
 APPROVED

MMDadoda
 9/4/2018 12:10:57 PM

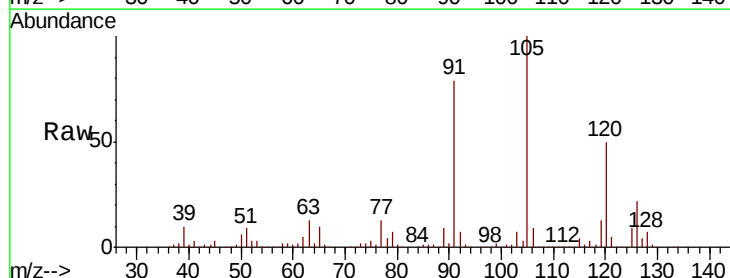


Abundance Ion 91.00 (90.70 to 91.70): VX0
 Ion 125.90 (125.60 to 126.60): V

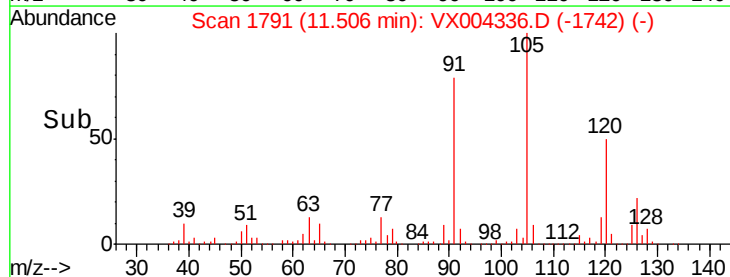
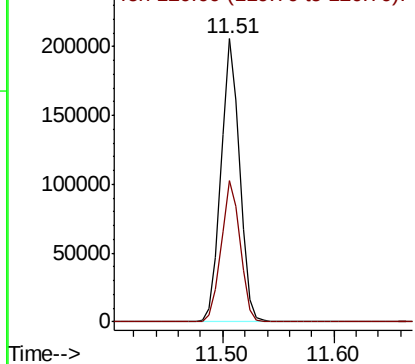


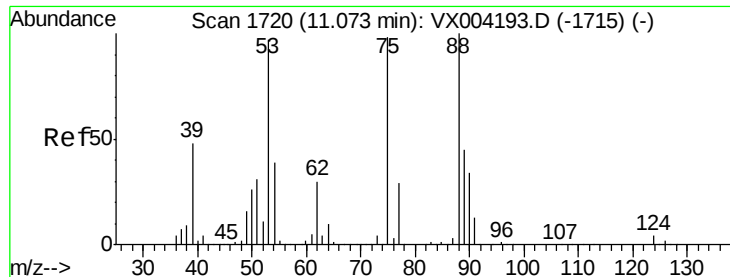
#80
 1,3,5-Trimethylbenzene
 Concen: 20.18 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX004336.D
 Acq: 31 Aug 2018 19:40

Tgt Ion:105 Resp: 237464
 Ion Ratio Lower Upper
 105 100
 120 51.0 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





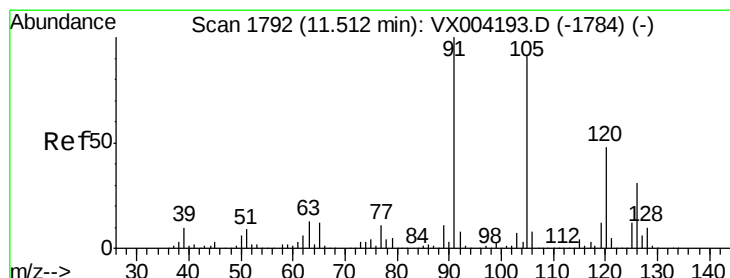
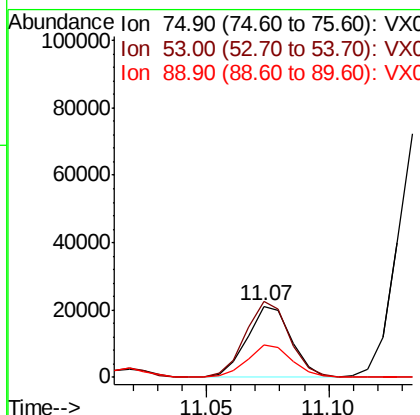
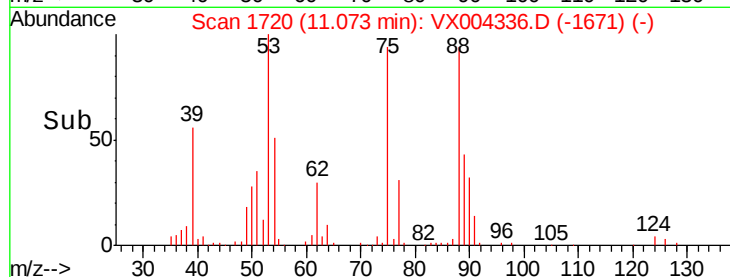
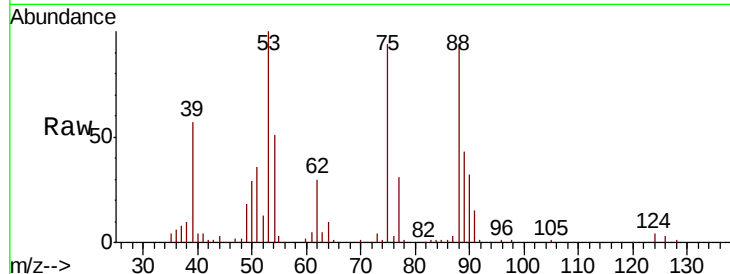
#81
trans-1,4-Dichloro-2-butene
Concen: 19.65 ug/l
RT: 11.07 min Scan# 1720
Delta R.T. 0.00 min
Lab File: VX004336.D
Acq: 31 Aug 2018 19:40

Instrument :
MSVOA_X
ClientSampleId :
VX0831WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	105.1	80.1	120.1
89	46.1	37.2	55.8

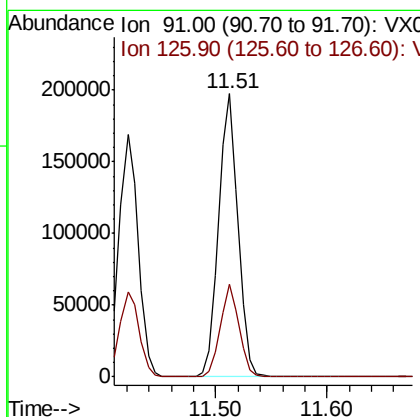
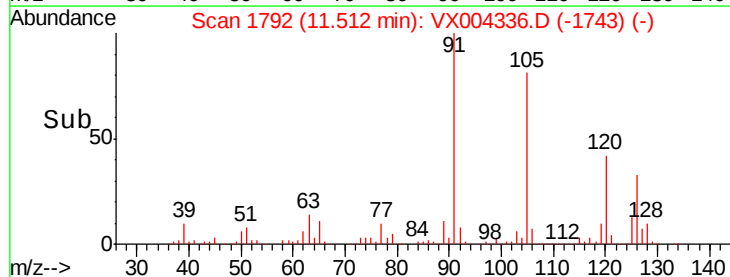
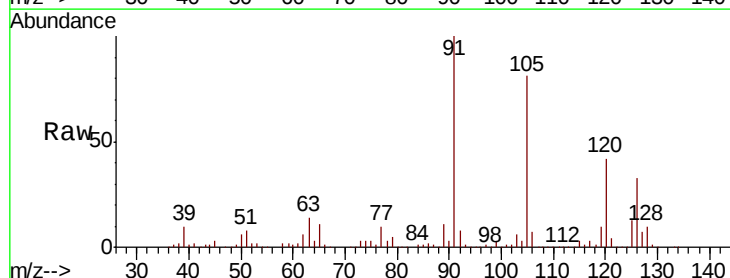
Manual Integrations
APPROVED

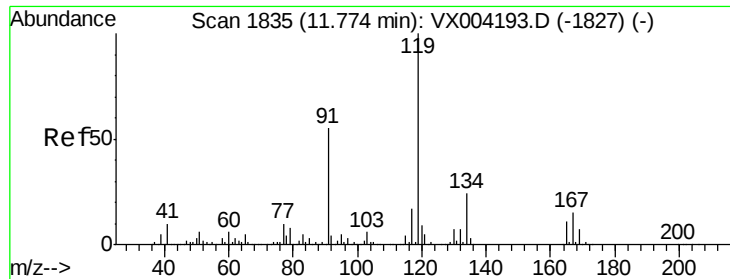
MMDadoda
9/4/2018 12:10:57 PM



#82
4-Chlorotoluene
Concen: 20.07 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX004336.D
Acq: 31 Aug 2018 19:40

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.5	46.5





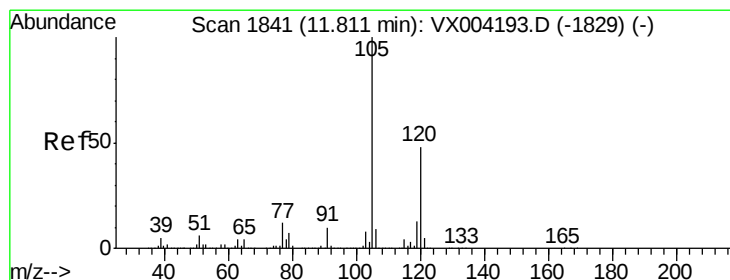
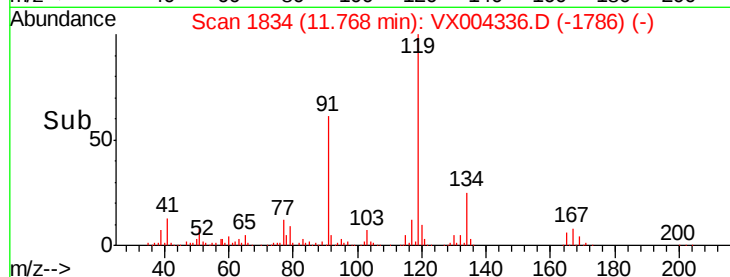
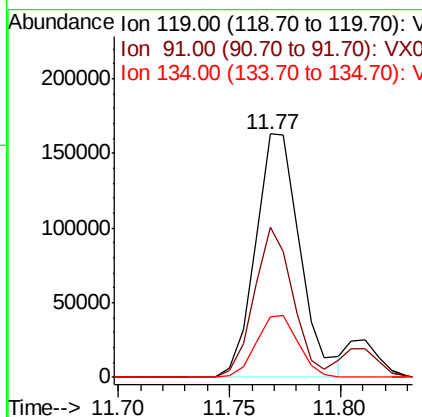
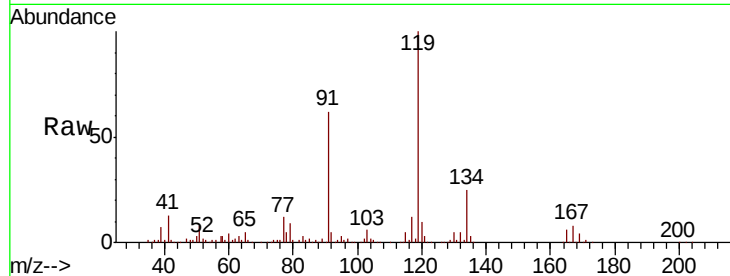
#83
 tert-Butylbenzene
 Concen: 19.15 ug/l
 RT: 11.77 min Scan# 1834
 Delta R.T. -0.01 min
 Lab File: VX004336.D
 Acq: 31 Aug 2018 19:40

Instrument :
 MSVOA_X
 ClientSampled :
 VX0831WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	226698		
91	53.9	27.0	81.0	
134	24.1	11.7	35.1	

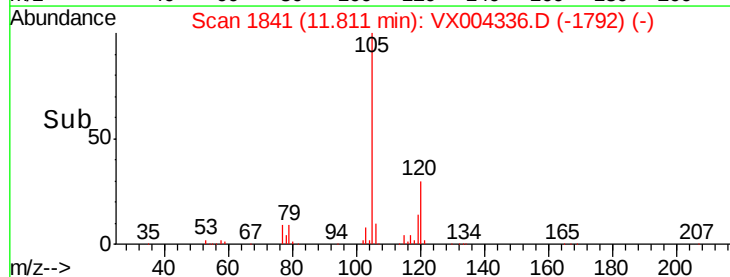
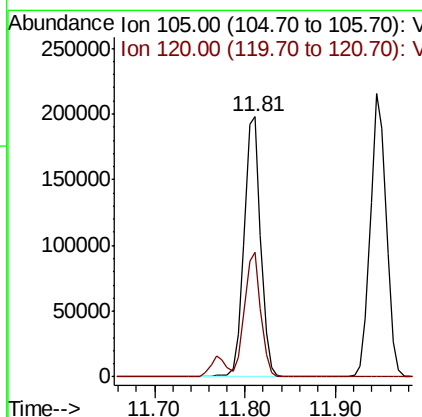
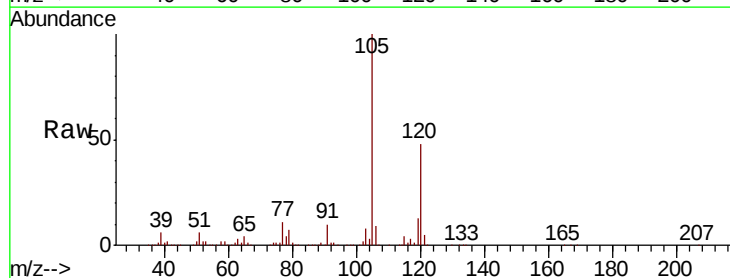
Manual Integrations
 APPROVED

MMDadoda
 9/4/2018 12:10:57 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.74 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX004336.D
 Acq: 31 Aug 2018 19:40

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	250534		
120	46.6	23.2	69.6	





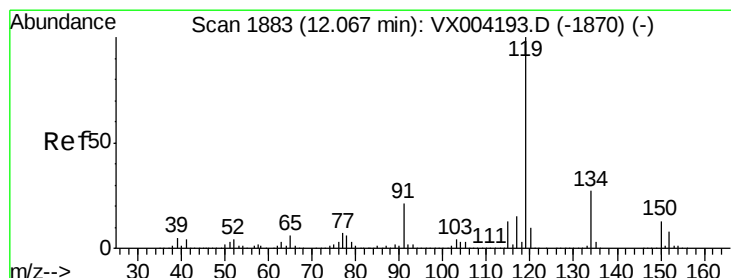
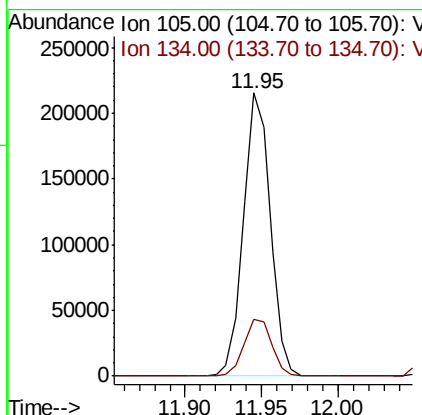
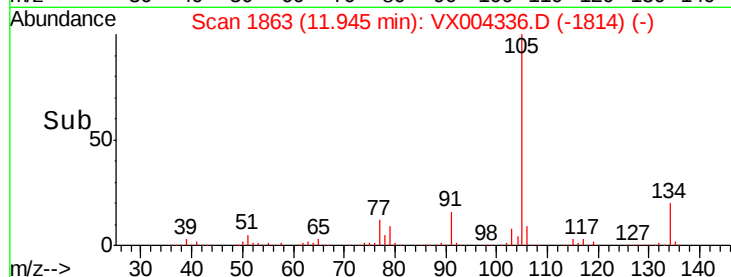
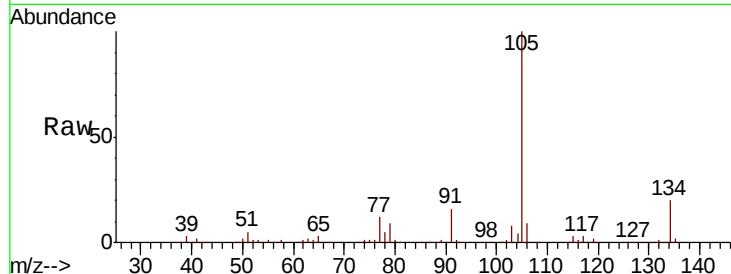
#85
 sec-Butylbenzene
 Concen: 18.68 ug/l
 RT: 11.95 min Scan# 1863
 Delta R.T. 0.00 min
 Lab File: VX004336.D
 Acq: 31 Aug 2018 19:40

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0831WBS02

Tot Ion:105 Resp: 262584
 Ion Ratio Lower Upper
 105 100
 134 20.7 10.5 31.5

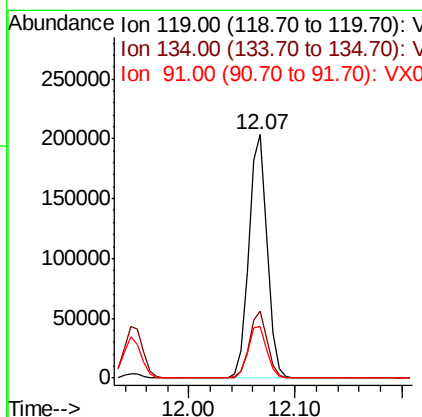
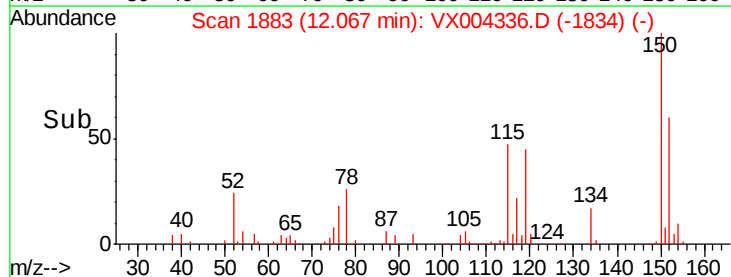
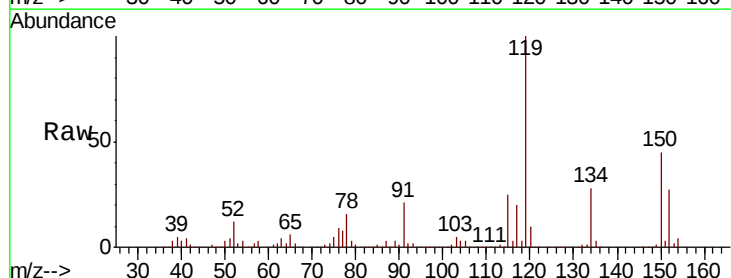
Manual Integrations
 APPROVED

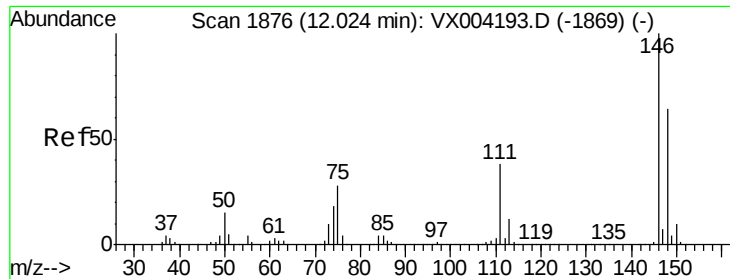
MMDadoda
 9/4/2018 12:10:57 PM



#86
 p-Isopropyltoluene
 Concen: 19.45 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VX004336.D
 Acq: 31 Aug 2018 19:40

Tgt Ion:119 Resp: 245012
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.4 40.2
 91 22.0 10.9 32.7





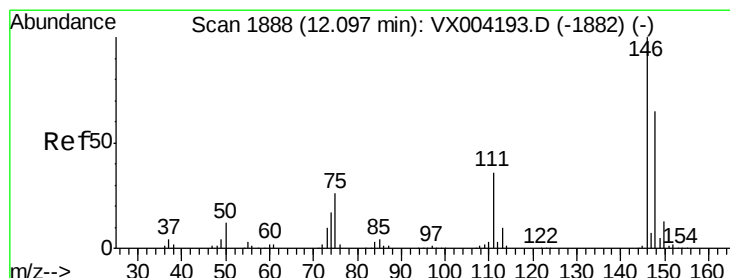
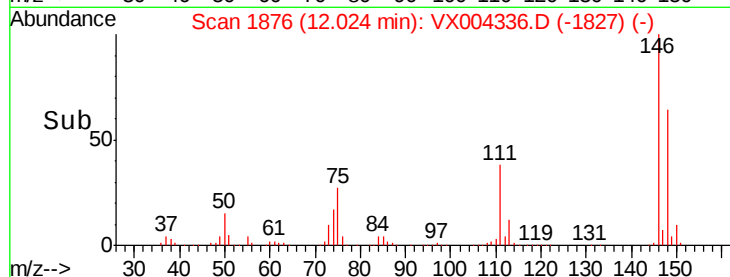
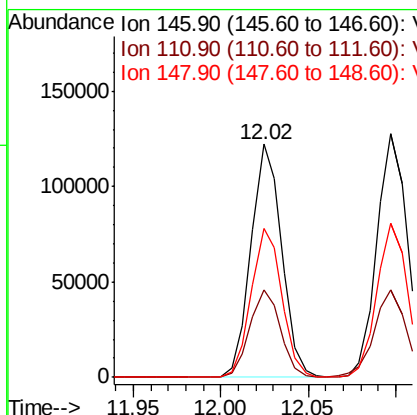
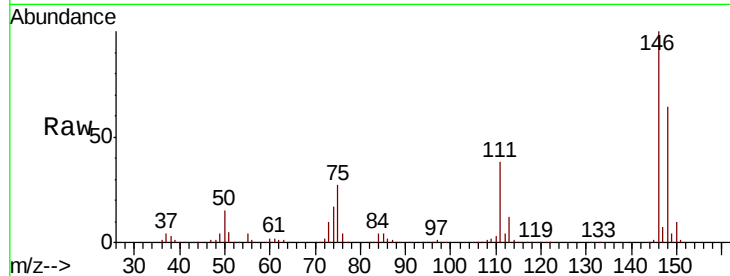
#87
 1,3-Dichlorobenzene
 Concen: 20.05 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. 0.00 min
 Lab File: VX004336.D
 Acq: 31 Aug 2018 19:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.7	56.1
148	64.0	32.1	96.5

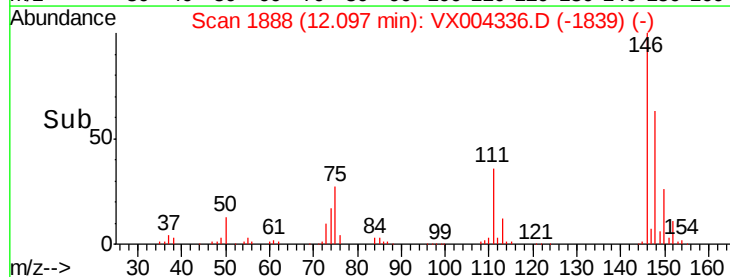
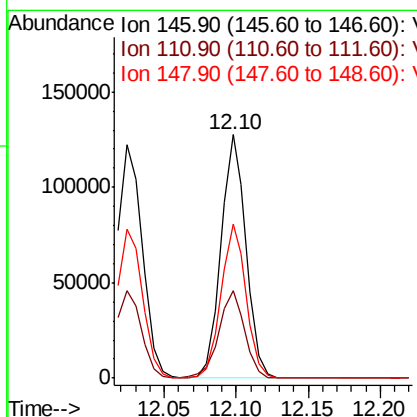
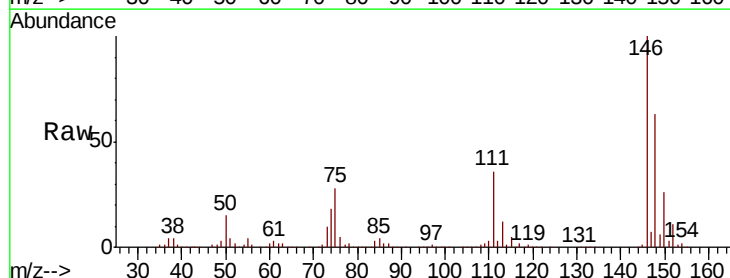
Manual Integrations
 APPROVED

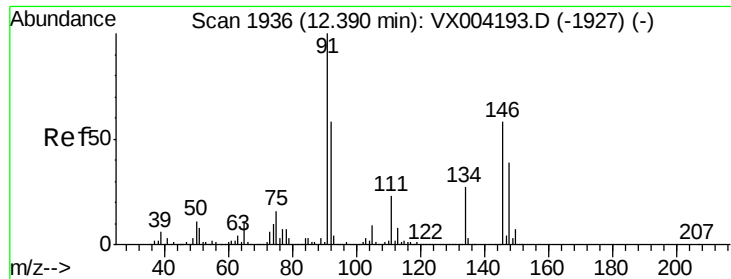
MMDadoda
 9/4/2018 12:10:57 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.63 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. 0.00 min
 Lab File: VX004336.D
 Acq: 31 Aug 2018 19:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.1	54.1
148	63.7	32.0	96.0





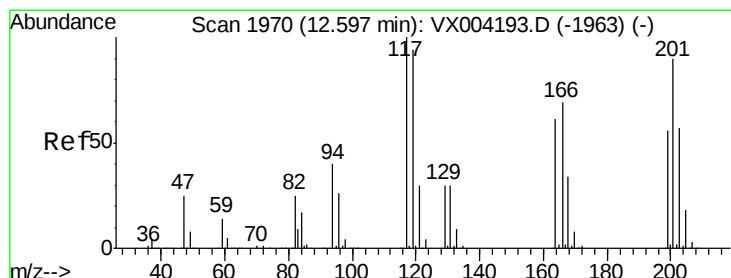
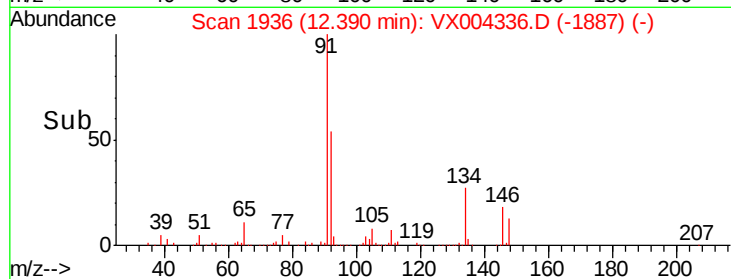
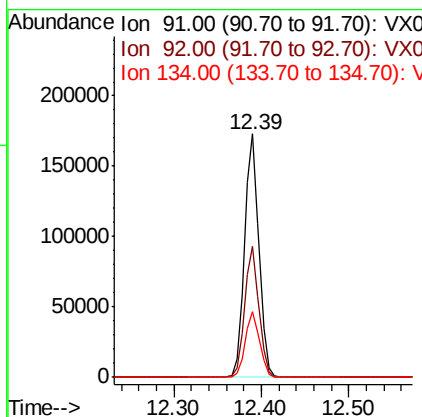
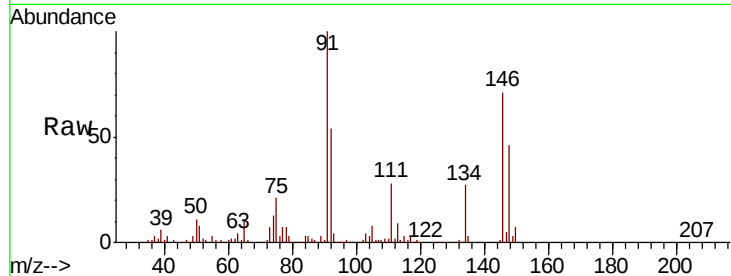
#89
n-Butylbenzene
Concen: 19.31 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX004336.D
Acq: 31 Aug 2018 19:40

Instrument :
MSVOA_X
ClientSampled :
VX0831WBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	197791		
92	53.2		27.3	81.9
134	26.8		13.6	40.7

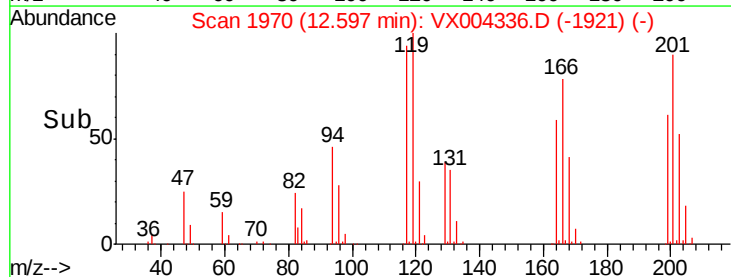
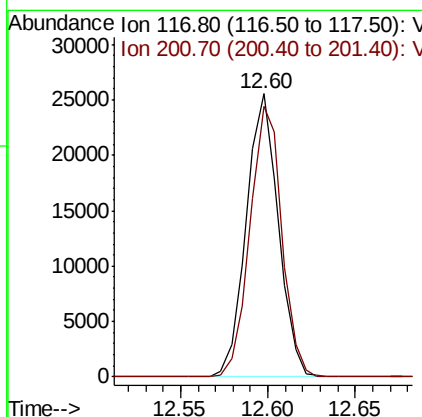
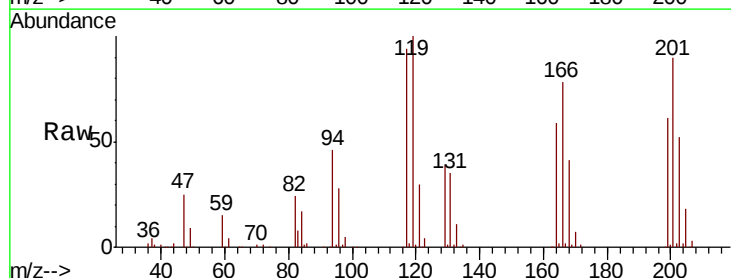
Manual Integrations
APPROVED

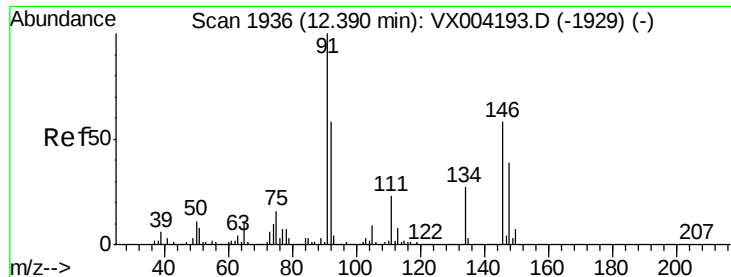
MMDadoda
9/4/2018 12:10:57 PM



#90
Hexachloroethane
Concen: 18.48 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX004336.D
Acq: 31 Aug 2018 19:40

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	32534		
201	94.9		46.9	140.6





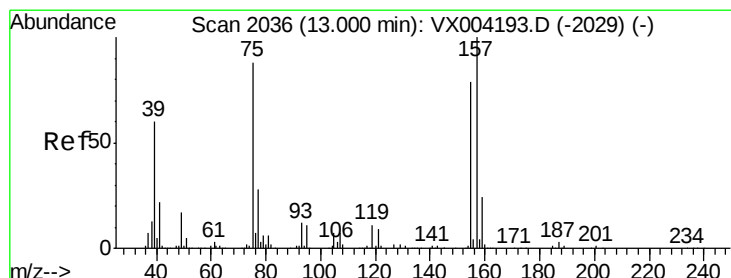
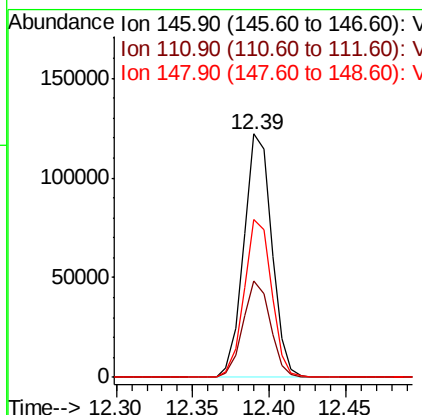
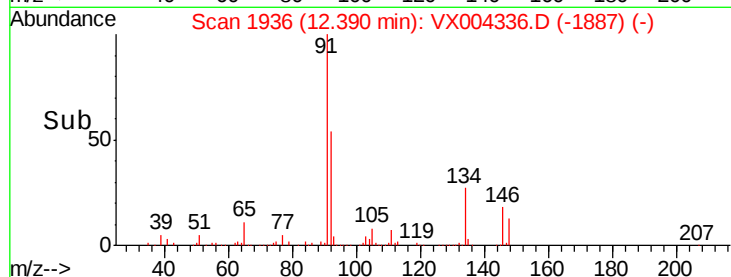
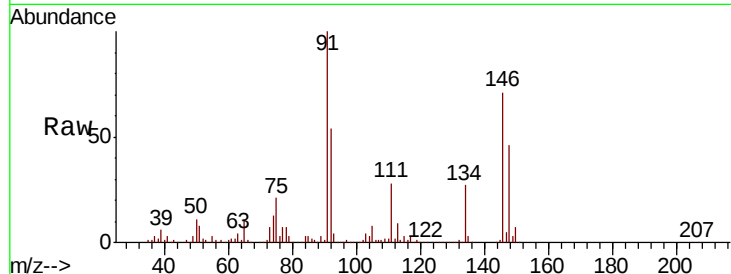
#91
 1,2-Dichlorobenzene
 Concen: 22.61 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. 0.00 min
 Lab File: VX004336.D
 Acq: 31 Aug 2018 19:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.4	58.1
148	63.7	32.8	98.3

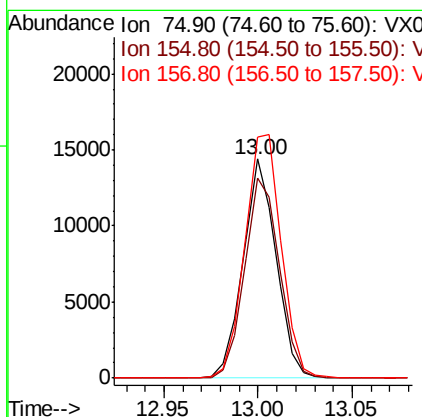
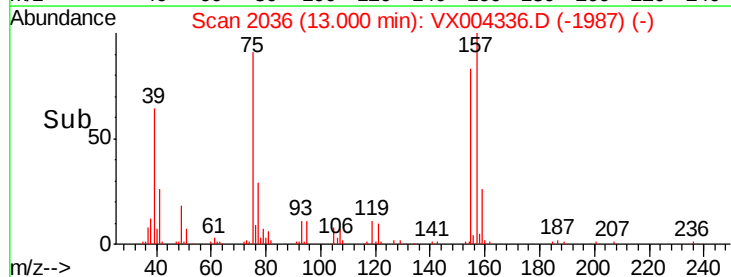
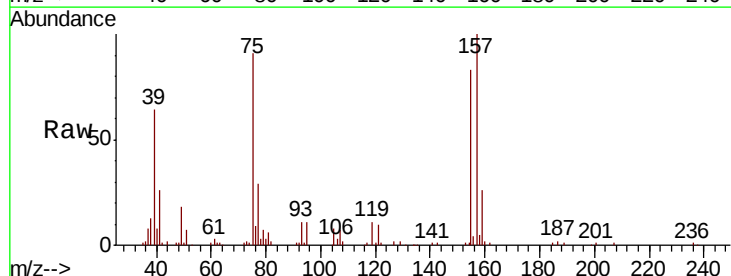
Manual Integrations
 APPROVED

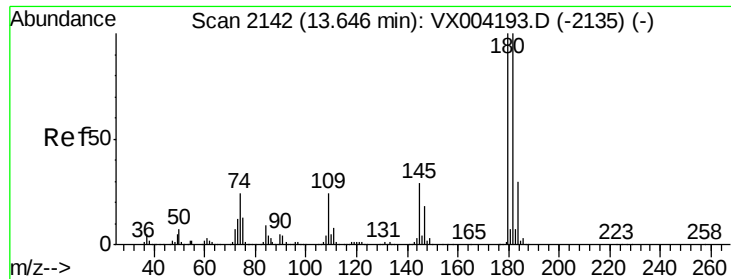
MMDadoda
 9/4/2018 12:10:57 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.96 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VX004336.D
 Acq: 31 Aug 2018 19:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.4	48.0	144.2
157	122.9	61.4	184.1





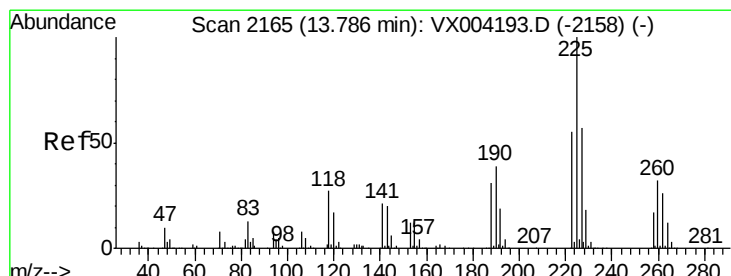
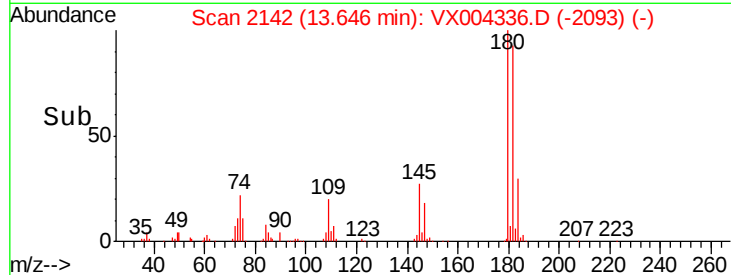
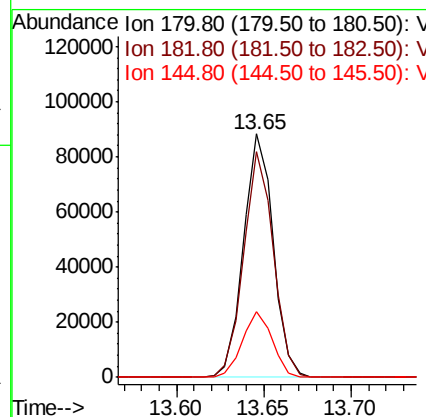
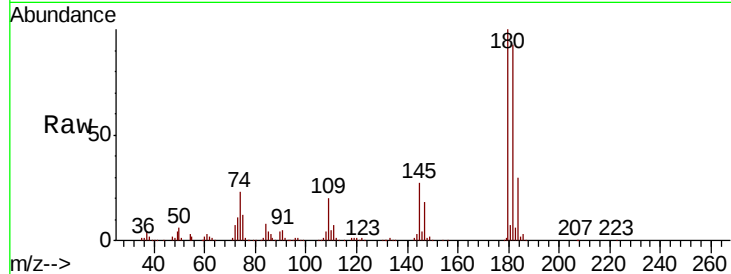
#93
 1,2,4-Trichlorobenzene
 Concen: 20.82 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VX004336.D
 Acq: 31 Aug 2018 19:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.0	48.4	145.0	
145	27.2	14.3	42.9	

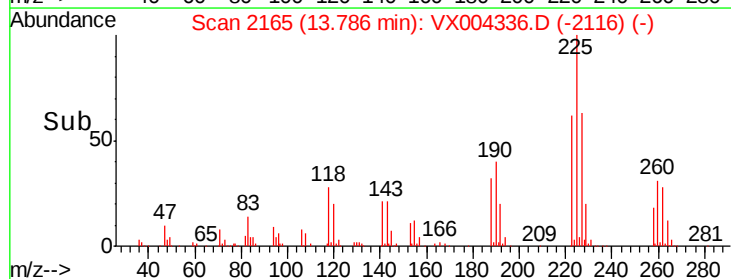
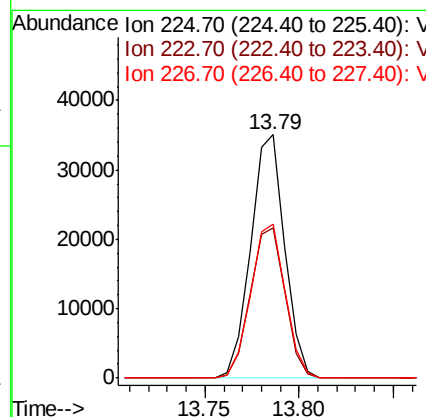
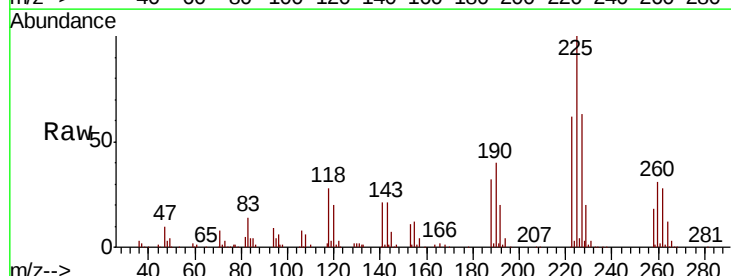
Manual Integrations
 APPROVED

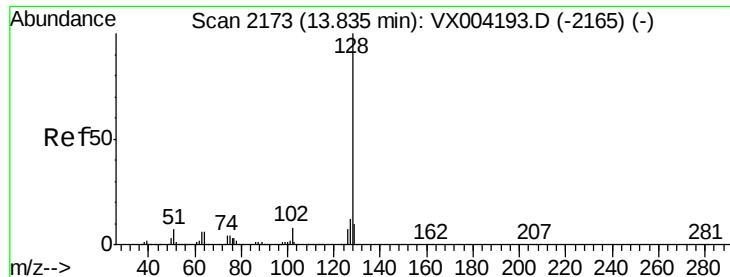
MMDadoda
 9/4/2018 12:10:57 PM



#94
 Hexachlorobutadiene
 Concen: 18.75 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX004336.D
 Acq: 31 Aug 2018 19:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.1	30.1	90.5	
227	64.5	30.8	92.4	





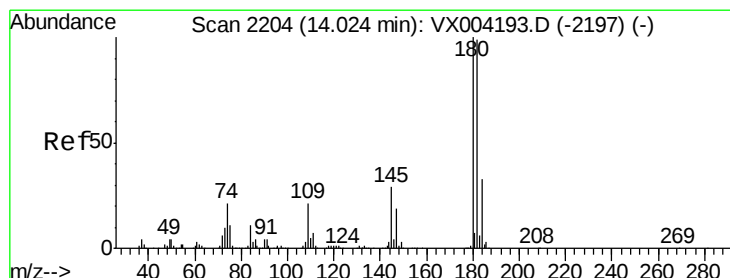
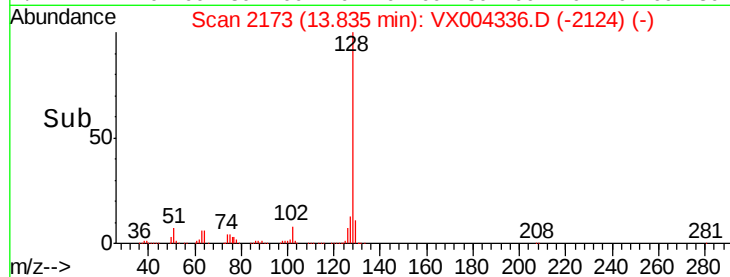
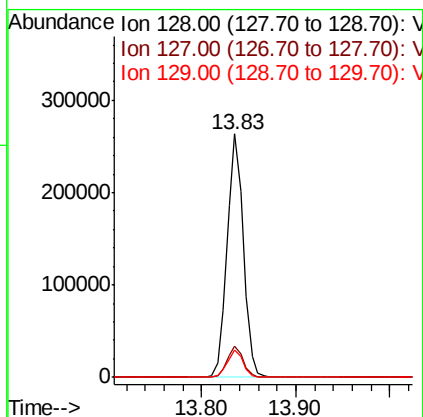
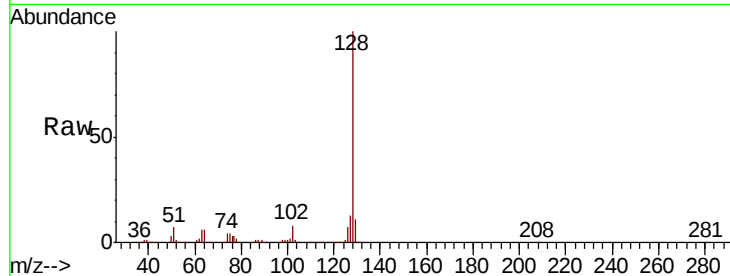
#95
Naphthalene
Concen: 22.36 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX004336.D
Acq: 31 Aug 2018 19:40

Instrument :
MSVOA_X
ClientSampleId :
VX0831WBS02

Tot Ion:	128	Resp:	315665
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.2
129	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/4/2018 12:10:57 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.06 ug/l
RT: 14.02 min Scan# 2203
Delta R.T. -0.01 min
Lab File: VX004336.D
Acq: 31 Aug 2018 19:40

Tgt Ion:	180	Resp:	111261
Ion Ratio	Lower	Upper	
180	100		
182	94.4	48.5	145.6
145	30.0	14.9	44.9

