

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082418\
 Data File : VX004241.D
 Acq On : 24 Aug 2018 12:43
 Operator : JC/MD
 Sample : VX0824WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0824WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/25/2018 11:42:41 AM

Quant Time: Aug 25 00:44:24 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	346349	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	489401	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	457072	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	238777	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	208857	46.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.54%	
35) Dibromofluoromethane	5.50	113	179311	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	
50) Toluene-d8	8.71	98	685551	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
62) 4-Bromofluorobenzene	11.14	95	242131	47.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.44%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.20	85	81322	20.271	ug/l 97
3) Chloromethane	1.32	50	78362	17.861	ug/l 99
4) Vinyl Chloride	1.40	62	86253	19.007	ug/l 99
5) Bromomethane	1.64	94	44749	18.737	ug/l 100
6) Chloroethane	1.72	64	56144	16.792	ug/l 99
7) Trichlorofluoromethane	1.93	101	118449	19.047	ug/l 95
8) Diethyl Ether	2.18	74	49266	18.501	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	74863	19.220	ug/l 99
10) Methyl Iodide	2.51	142	60277	16.809	ug/l 99
11) Tert butyl alcohol	3.06	59	85512	88.865	ug/l 100
12) 1,1-Dichloroethene	2.37	96	69001	18.806	ug/l 97
13) Acrolein	2.29	56	43346	186.845	ug/l 98
14) Allyl chloride	2.73	41	122879	18.228	ug/l 99
15) Acrylonitrile	3.14	53	204570	85.843	ug/l 99
16) Acetone	2.44	43	177857	91.394	ug/l 100
17) Carbon Disulfide	2.57	76	182441	18.416	ug/l 99
18) Methyl Acetate	2.78	43	126945	18.950	ug/l 100
19) Methyl tert-butyl Ether	3.20	73	228905	18.931	ug/l 97
20) Methylene Chloride	2.85	84	78891	18.155	ug/l 97
21) trans-1,2-Dichloroethene	3.16	96	74072	18.239	ug/l 95
22) Diisopropyl ether	3.87	45	224672	17.850	ug/l 96
23) Vinyl Acetate	3.82	43	899967	88.219	ug/l 99
24) 1,1-Dichloroethane	3.69	63	136811	18.651	ug/l 99
25) 2-Butanone	4.70	43	266657	86.292	ug/l 98
26) 2,2-Dichloropropane	4.58	77	107468	18.679	ug/l 100
27) cis-1,2-Dichloroethene	4.59	96	84092	18.256	ug/l 99
28) Bromochloromethane	5.01	49	61017	18.789	ug/l 100
29) Tetrahydrofuran	5.15	42	166264	85.724	ug/l 97
30) Chloroform	5.21	83	135400	18.411	ug/l 96
31) Cyclohexane	5.57	56	118724	18.759	ug/l 99
32) 1,1,1-Trichloroethane	5.49	97	114170	18.617	ug/l 99
36) 1,1-Dichloropropene	5.80	75	104078	18.916	ug/l 99
37) Ethyl Acetate	4.85	43	98801	18.259	ug/l 99
38) Carbon Tetrachloride	5.77	117	97877	18.911	ug/l 98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082418\
 Data File : VX004241.D
 Acq On : 24 Aug 2018 12:43
 Operator : JC/MD
 Sample : VX0824WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0824WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/25/2018 11:42:41 AM

Quant Time: Aug 25 00:44:24 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	120323	19.154	ug/l	98
40) Benzene	6.14	78	312264	18.994	ug/l	100
41) Methacrylonitrile	5.06	41	56970	18.164	ug/l	99
42) 1,2-Dichloroethane	6.20	62	103476	18.452	ug/l	100
43) Isopropyl Acetate	6.46	43	150368	18.085	ug/l	99
44) Trichloroethene	7.21	130	85459	18.779	ug/l	97
45) 1,2-Dichloropropane	7.51	63	78418	19.058	ug/l	99
46) Dibromomethane	7.66	93	51174	18.679	ug/l	99
47) Bromodichloromethane	7.90	83	95050	18.645	ug/l	99
48) Methyl methacrylate	7.77	41	80233	18.034	ug/l	98
49) 1,4-Dioxane	7.75	88	37507	371.310	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	517300	85.628	ug/l	99
52) Toluene	8.79	92	199750	19.410	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	105683	18.769	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	118815	19.372	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	78890	18.990	ug/l	99
56) Ethyl methacrylate	9.18	69	108326	19.155	ug/l	98
57) 1,3-Dichloropropane	9.37	76	133671	19.089	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	297013	102.500	ug/l	100
59) 2-Hexanone	9.49	43	395234	85.754	ug/l	100
60) Dibromochloromethane	9.59	129	75773	18.721	ug/l	100
61) 1,2-Dibromoethane	9.67	107	81403	18.935	ug/l	99
64) Tetrachloroethene	9.34	164	83260	18.440	ug/l	99
65) Chlorobenzene	10.14	112	217791	18.986	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.22	131	70527	17.825	ug/l	98
67) Ethyl Benzene	10.25	91	352913	18.943	ug/l	98
68) m/p-Xylenes	10.36	106	273643	37.565	ug/l	98
69) o-Xylene	10.70	106	123859	17.975	ug/l	96
70) Styrene	10.71	104	210926	18.905	ug/l	99
71) Bromoform	10.86	173	54136	16.974	ug/l #	100
73) Isopropylbenzene	11.02	105	361556	23.055	ug/l	100
74) N-amyl acetate	10.90	43	123738	20.492	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	114112	20.793	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	102041m	21.012	ug/l	
77) Bromobenzene	11.26	156	94427	21.465	ug/l	99
78) n-propylbenzene	11.36	91	402589	22.320	ug/l	99
79) 2-Chlorotoluene	11.42	91	248760	22.407	ug/l	95
80) 1,3,5-Trimethylbenzene	11.51	105	287383	22.128	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	29627	19.794	ug/l	96
82) 4-Chlorotoluene	11.51	91	277244	21.222	ug/l	97
83) tert-Butylbenzene	11.77	119	279700	21.405	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	288897	21.671	ug/l	100
85) sec-Butylbenzene	11.94	105	320847	20.682	ug/l	100
86) p-Isopropyltoluene	12.07	119	289991	20.858	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	160791	19.413	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	162886	18.652	ug/l	98
89) n-Butylbenzene	12.39	91	244250	21.605	ug/l	99
90) Hexachloroethane	12.60	117	42426	21.833	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	158803	20.978	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	20144	20.839	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082418\
Data File : VX004241.D
Acq On : 24 Aug 2018 12:43
Operator : JC/MD
Sample : VX0824WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0824WBS01

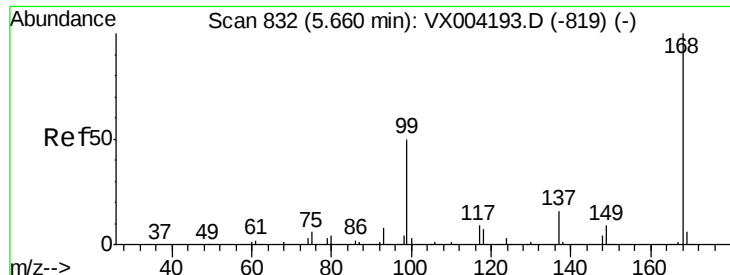
Manual Integrations
APPROVED

MMDadoda
8/25/2018 11:42:41 AM

Quant Time: Aug 25 00:44:24 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	114968	20.873	ug/l	100
94) Hexachlorobutadiene	13.79	225	59063	22.976	ug/l	97
95) Naphthalene	13.83	128	363720	23.348	ug/l	98
96) 1,2,3-Trichlorobenzene	14.02	180	131661	22.581	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.00 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

Instrument :

MSVOA_X

ClientSampleId :

VX0824WBS01

Tgt Ion:168 Resp: 346349

Ion Ratio Lower Upper

168 100

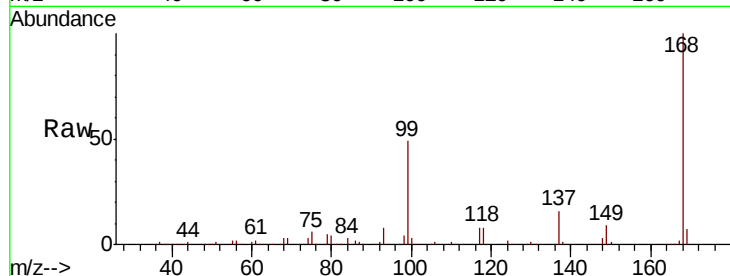
99 48.6 39.9 59.9

Manual Integrations

APPROVED

MMDadoda

8/25/2018 11:42:41 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

150000

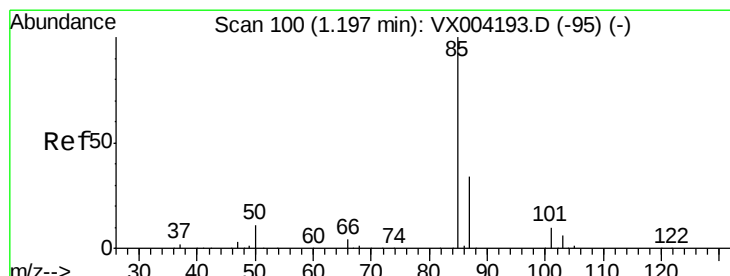
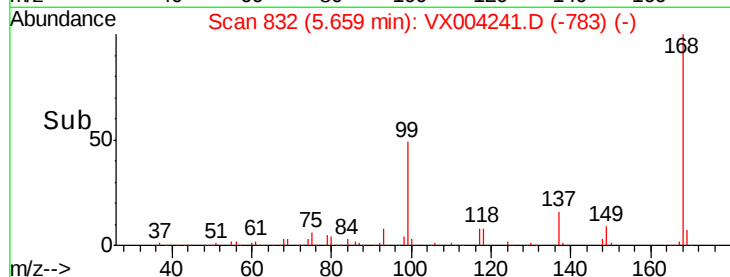
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 20.271 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX004241.D

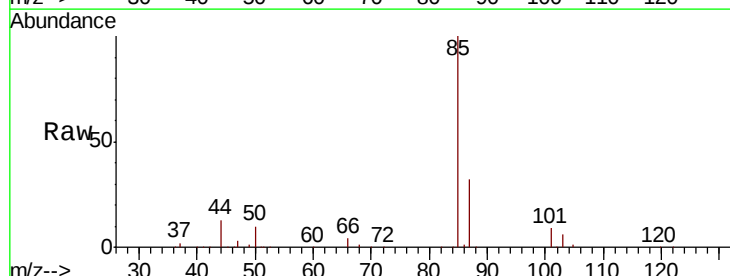
Acq: 24 Aug 2018 12:43

Tgt Ion: 85 Resp: 81322

Ion Ratio Lower Upper

85 100

87 32.0 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

80000

60000

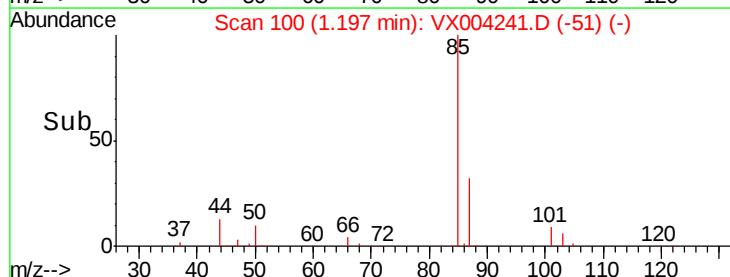
40000

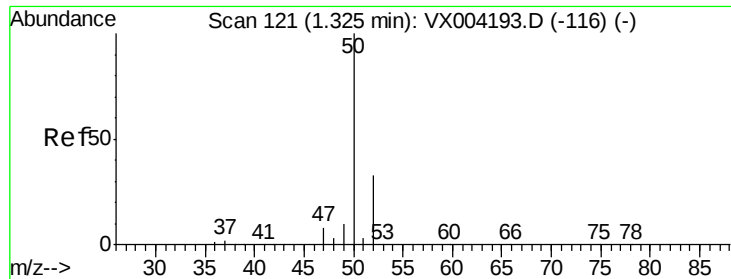
20000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 17.861 ug/l

RT: 1.32 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

Instrument :

MSVOA_X

ClientSampleId :

VX0824WBS01

Tgt Ion: 50 Resp: 78362

Ion Ratio Lower Upper

50 100

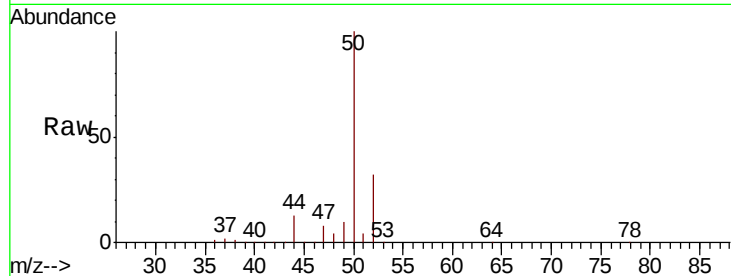
52 32.0 26.2 39.2

Manual Integrations

APPROVED

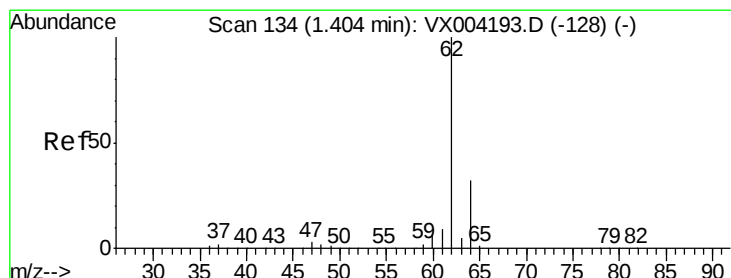
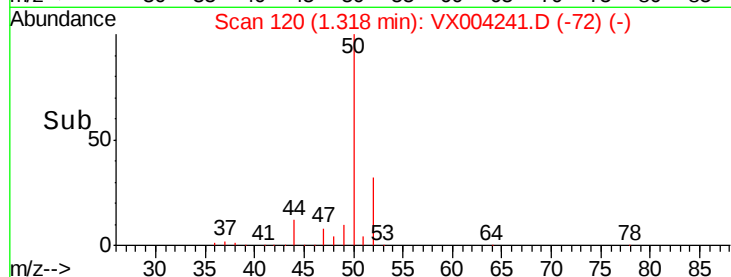
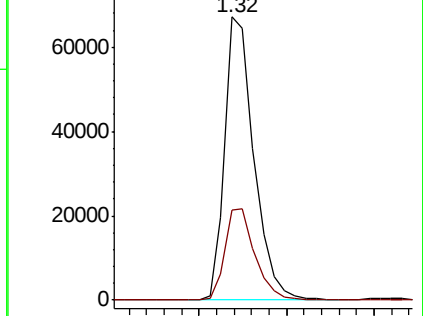
MMDadoda

8/25/2018 11:42:41 AM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.007 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004241.D

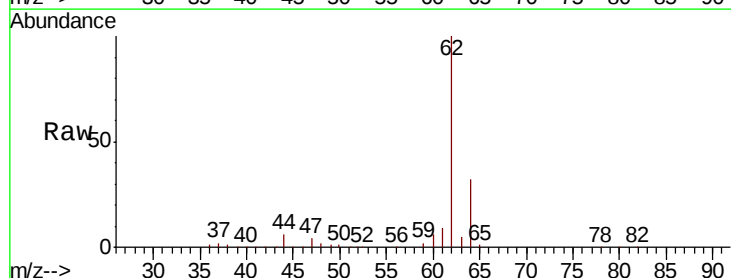
Acq: 24 Aug 2018 12:43

Tgt Ion: 62 Resp: 86253

Ion Ratio Lower Upper

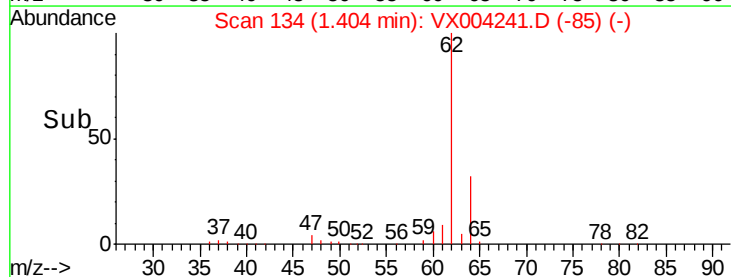
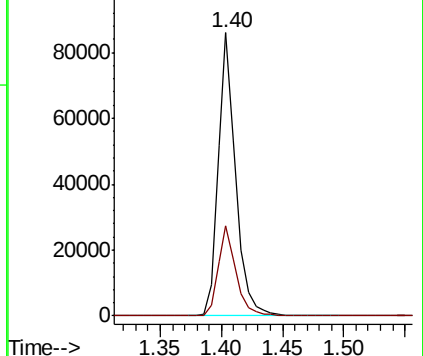
62 100

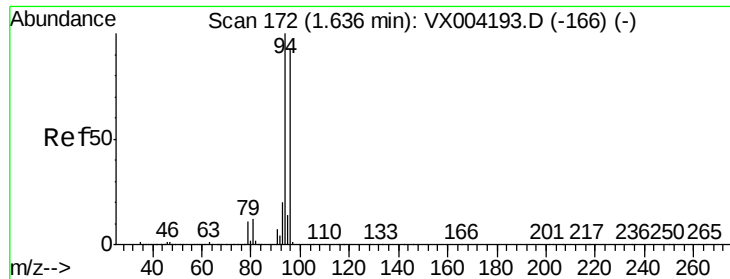
64 31.9 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 18.737 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

Instrument :

MSVOA_X

ClientSampleId :

VX0824WBS01

Tgt Ion: 94 Resp: 44749

Ion Ratio Lower Upper

94 100

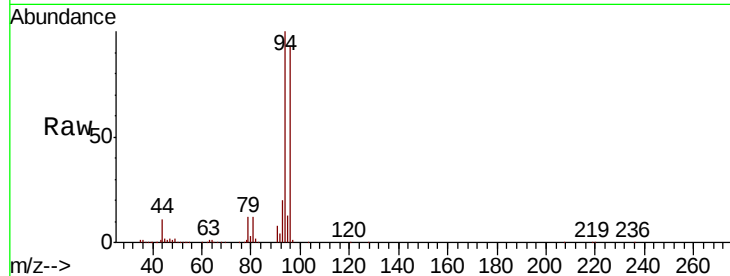
96 93.5 74.5 111.7

Manual Integrations

APPROVED

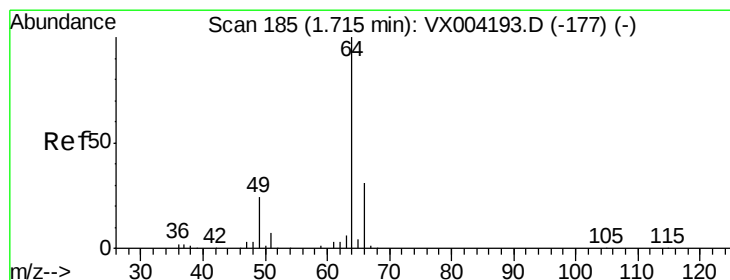
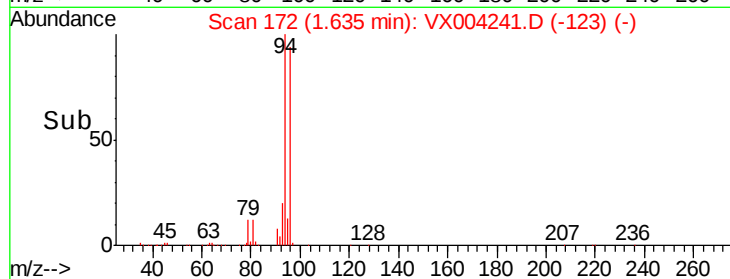
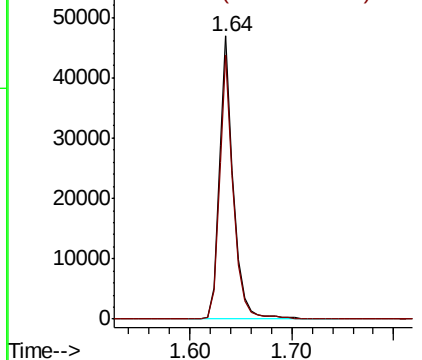
MMDadoda

8/25/2018 11:42:41 AM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 16.792 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX004241.D

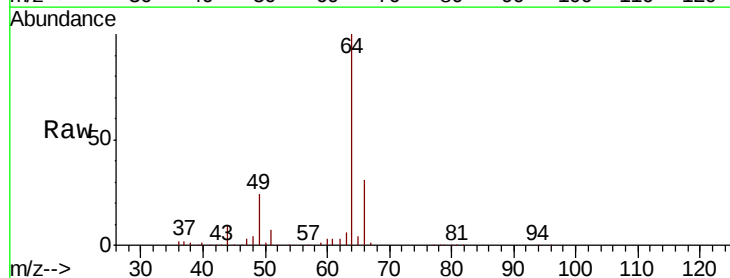
Acq: 24 Aug 2018 12:43

Tgt Ion: 64 Resp: 56144

Ion Ratio Lower Upper

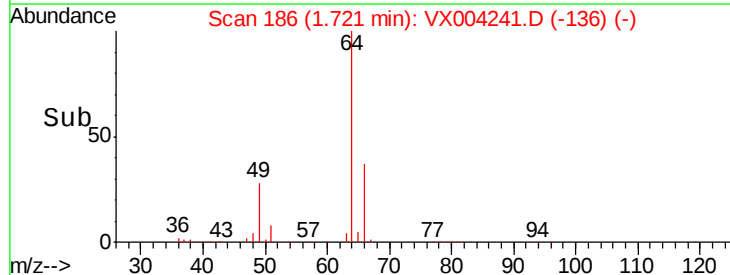
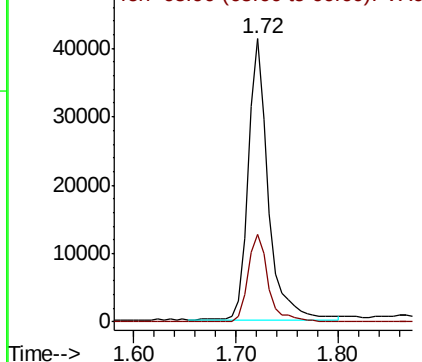
64 100

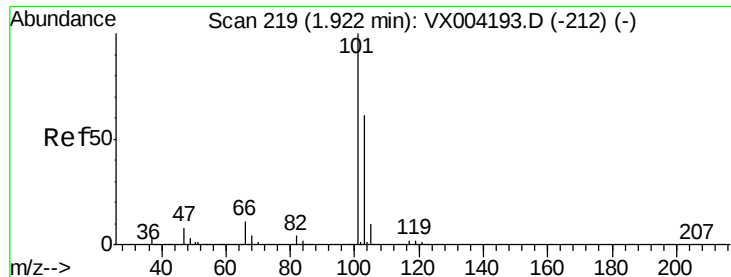
66 31.0 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

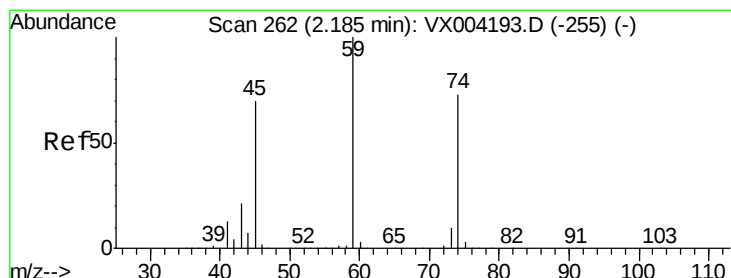
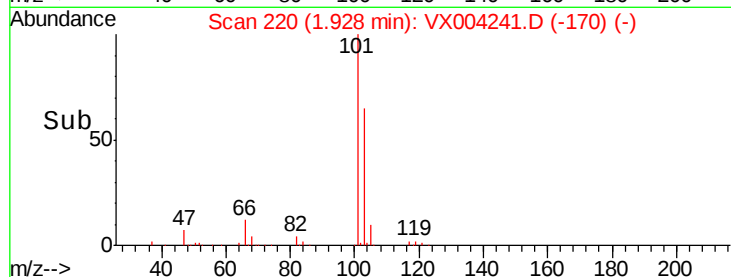
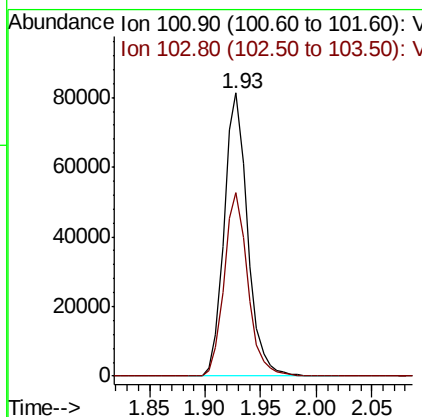
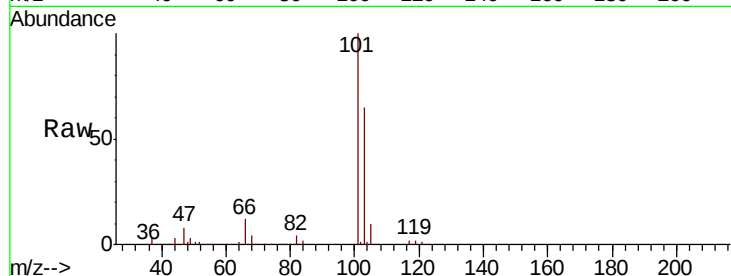
Trichlorofluoromethane
 Concen: 19.047 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VX004241.D
 Acq: 24 Aug 2018 12:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0824WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	118449		
103	64.7	48.9	73.3	

Manual Integrations
 APPROVED

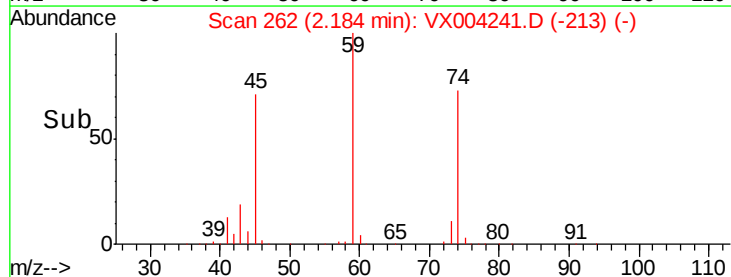
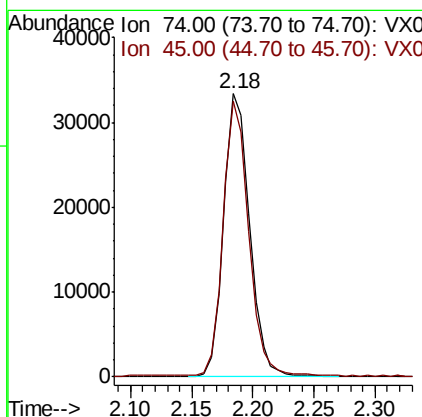
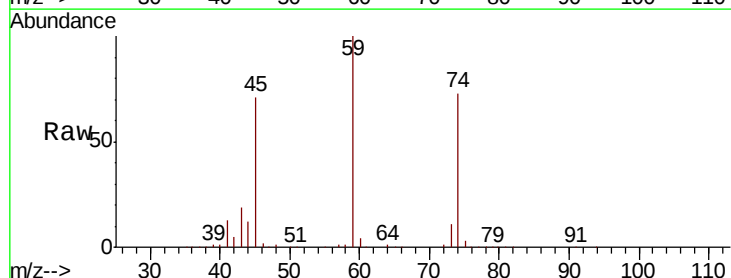
MMDadoda
 8/25/2018 11:42:41 AM

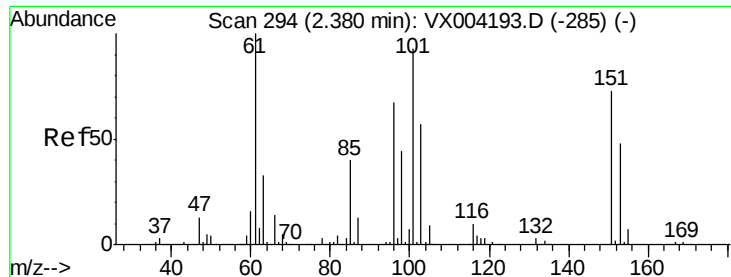


#8

Diethyl Ether
 Concen: 18.501 ug/l
 RT: 2.18 min Scan# 262
 Delta R.T. -0.00 min
 Lab File: VX004241.D
 Acq: 24 Aug 2018 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	49266		
45	95.0	48.3	144.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.220 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.00 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

Instrument :

MSVOA_X

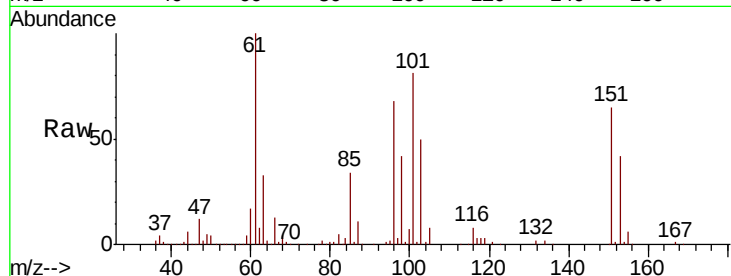
ClientSampleId :

VX0824WBS01

Tgt Ion:	101	Resp:	74863
Ion Ratio	Lower	Upper	
101	100		
85	43.0	34.2	51.4
151	82.5	65.0	97.6

Manual Integrations
APPROVED

MMDadoda
8/25/2018 11:42:41 AM

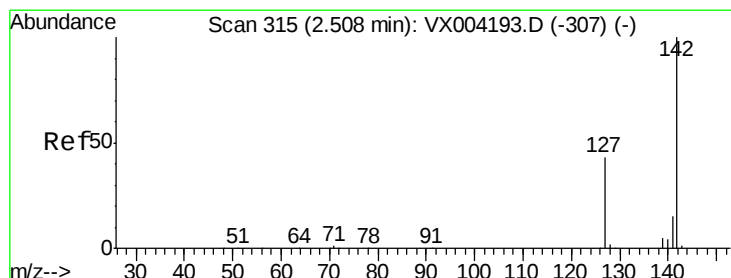
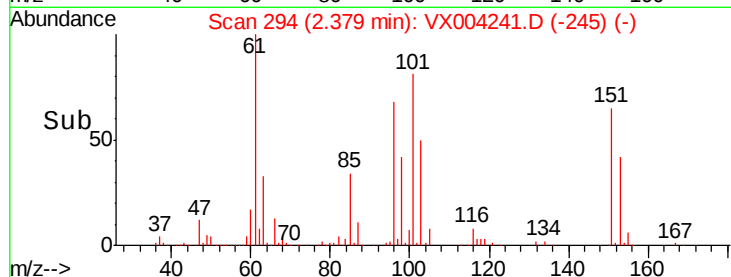
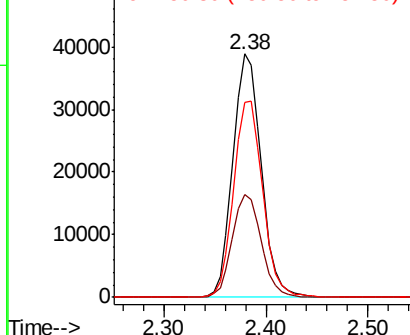


Abundance

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: 16.809 ug/l

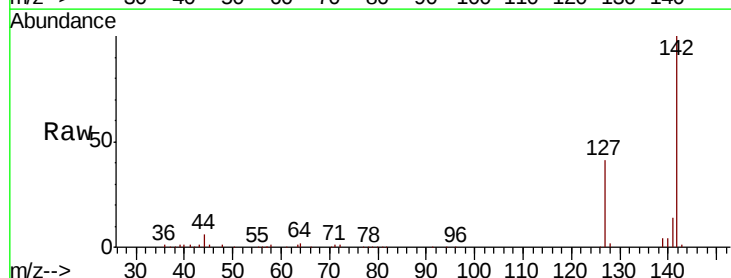
RT: 2.51 min Scan# 315

Delta R.T. 0.00 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

Tgt Ion:	142	Resp:	60277
Ion Ratio	Lower	Upper	
142	100		
127	41.2	33.8	50.6
141	14.0	11.4	17.0

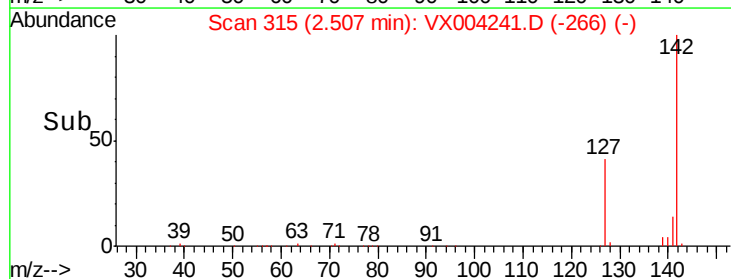
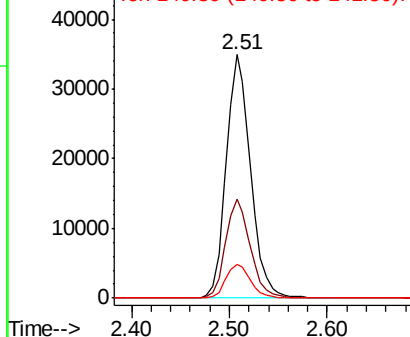


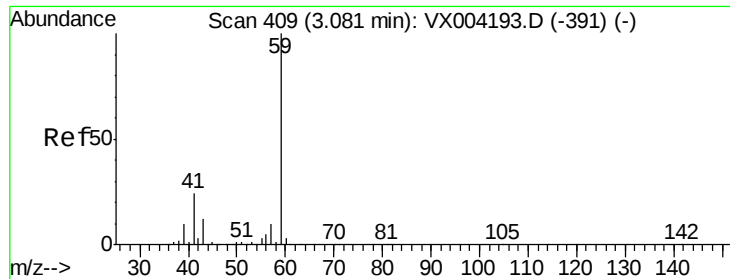
Abundance

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





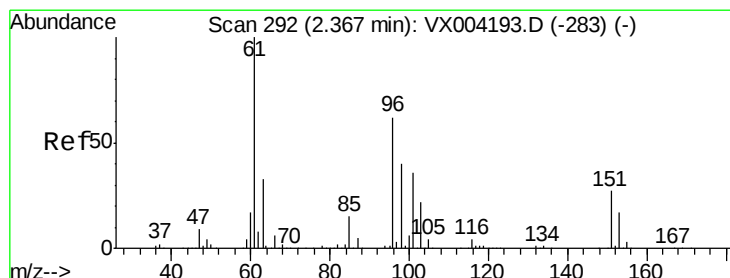
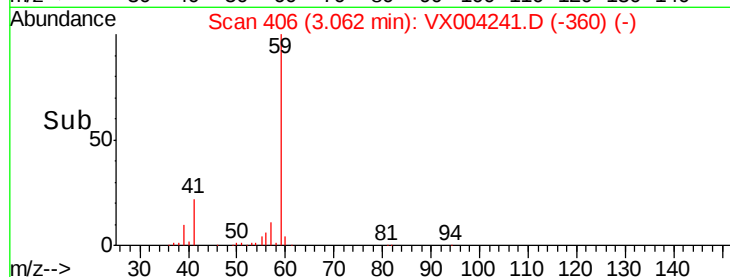
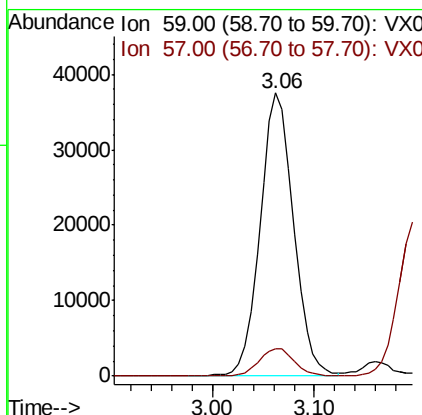
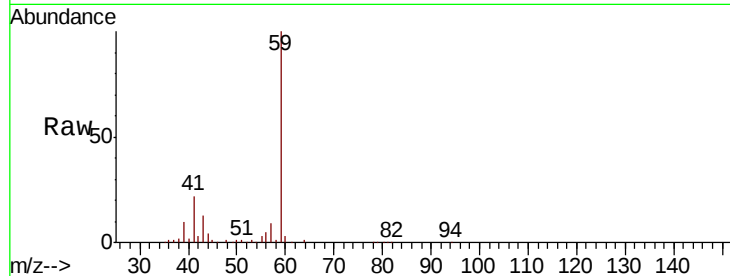
#11
Tert butyl alcohol
Concen: 88.865 ug/l
RT: 3.06 min Scan# 406
Delta R.T. -0.02 min
Lab File: VX004241.D
Acq: 24 Aug 2018 12:43

Instrument :
MSVOA_X
ClientSampleId :
VX0824WBS01

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.4

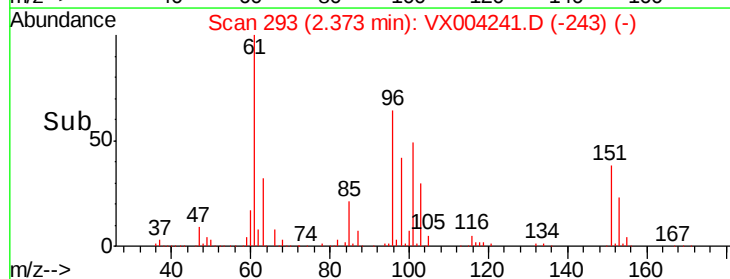
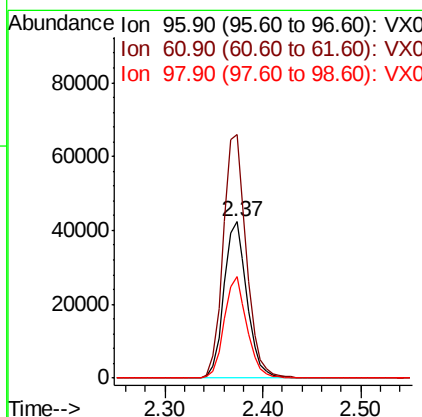
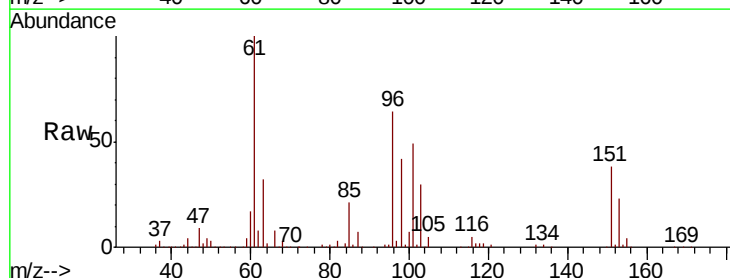
Manual Integrations
APPROVED

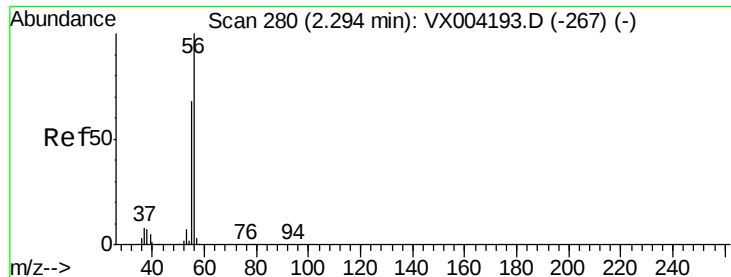
MMDadoda
8/25/2018 11:42:41 AM



#12
1,1-Dichloroethene
Concen: 18.806 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.01 min
Lab File: VX004241.D
Acq: 24 Aug 2018 12:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.0	128.8	193.2
98	64.9	52.2	78.2





#13

Acrolein

Concen: 186.845 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

Instrument :

MSVOA_X

ClientSampleId :

VX0824WBS01

Tgt Ion: 56 Resp: 43346

Ion Ratio Lower Upper

56 100

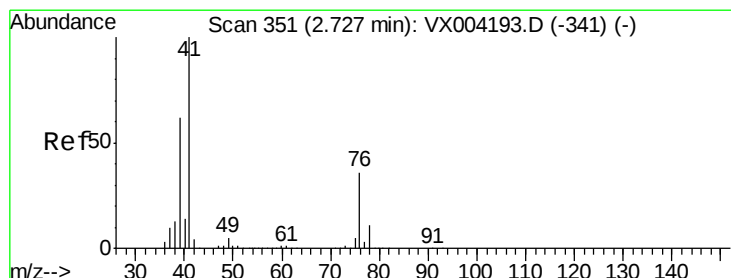
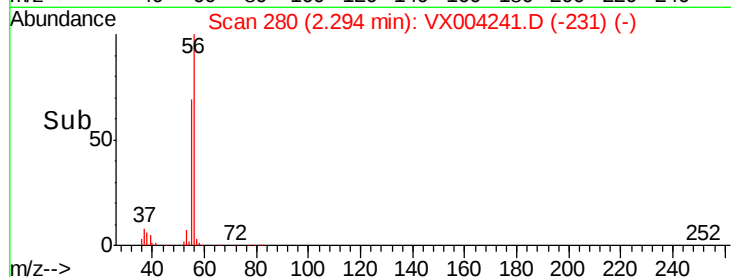
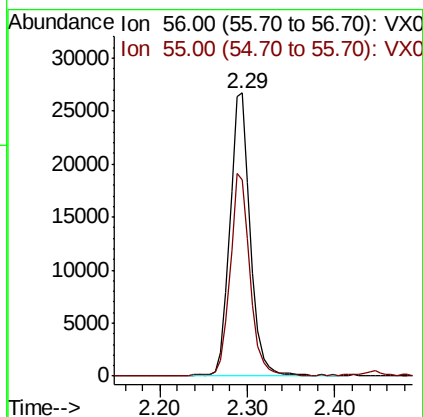
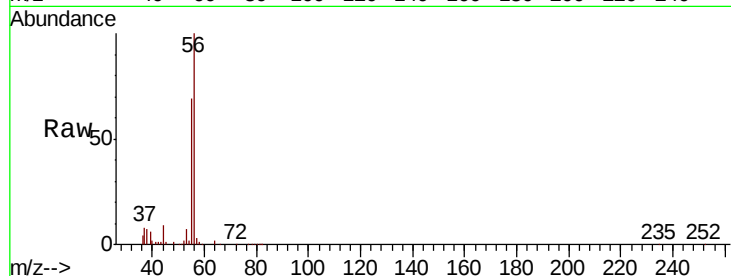
55 70.0 54.7 82.1

Manual Integrations

APPROVED

MMDadoda

8/25/2018 11:42:41 AM



#14

Allyl chloride

Concen: 18.228 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

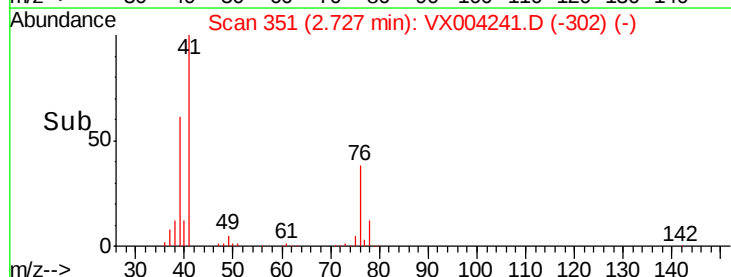
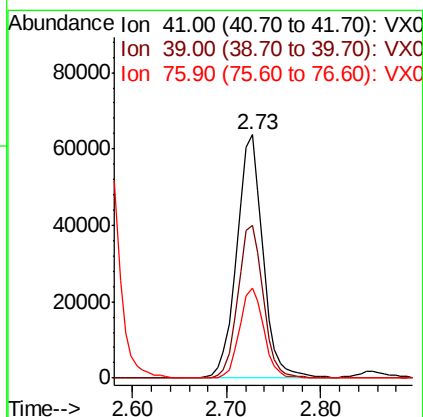
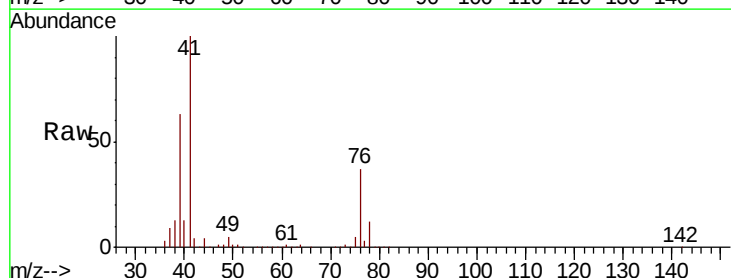
Tgt Ion: 41 Resp: 122879

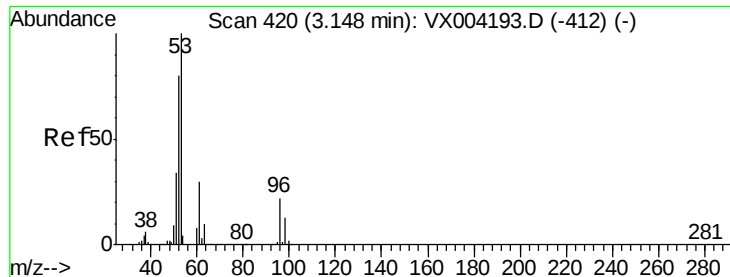
Ion Ratio Lower Upper

41 100

39 60.5 48.9 73.3

76 34.2 26.7 40.1





#15

Acrylonitrile

Concen: 85.843 ug/l

RT: 3.14 min Scan# 419

Delta R.T. -0.01 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

Instrument :

MSVOA_X

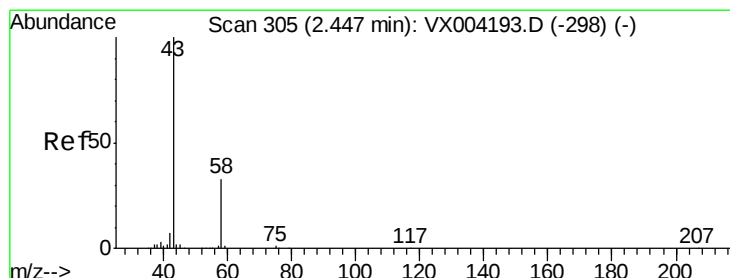
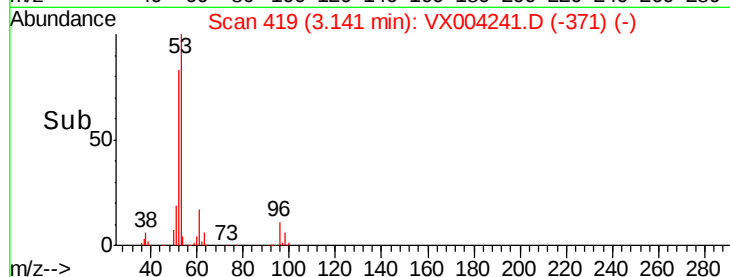
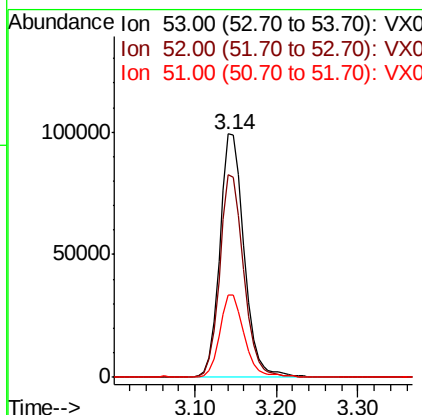
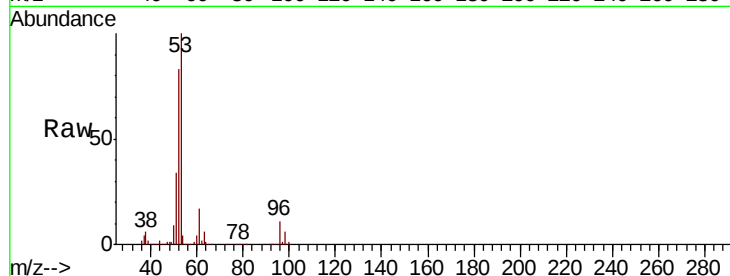
ClientSampleId :

VX0824WBS01

Tgt Ion:	53	Resp:	204570
Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.2	97.8
51	34.3	28.2	42.2

Manual Integrations
APPROVED

MMDadoda
8/25/2018 11:42:41 AM



#16

Acetone

Concen: 91.394 ug/l

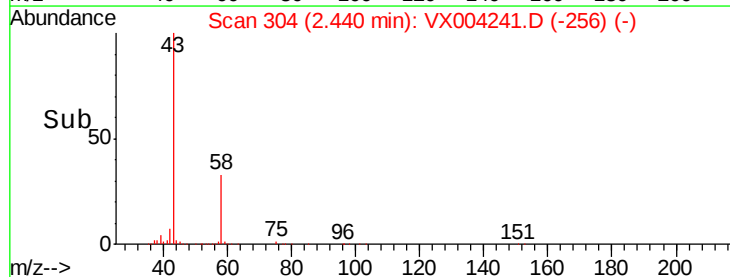
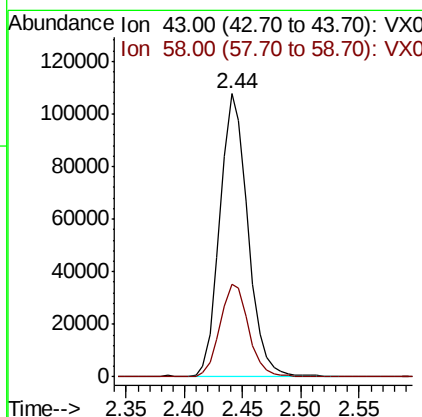
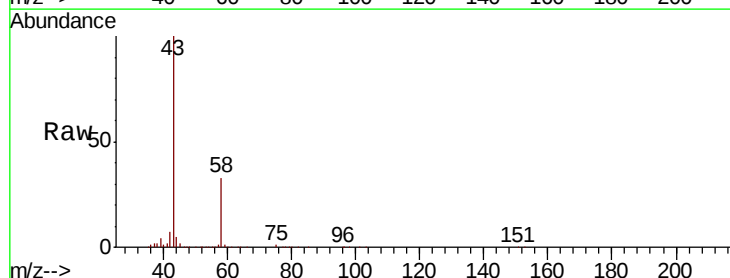
RT: 2.44 min Scan# 304

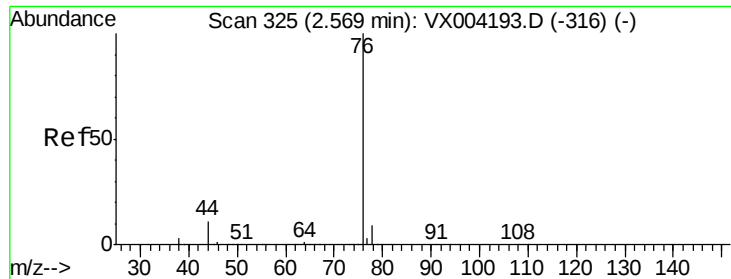
Delta R.T. -0.01 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

Tgt Ion:	43	Resp:	177857
Ion	Ratio	Lower	Upper
43	100		
58	32.8	26.2	39.4





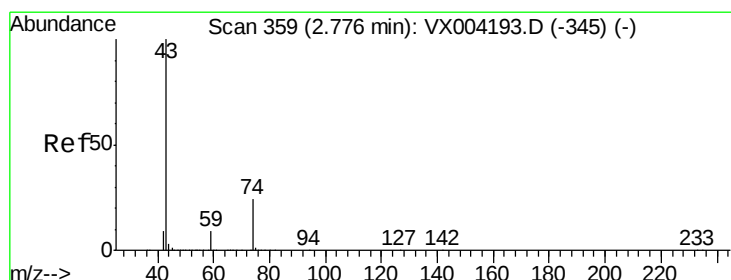
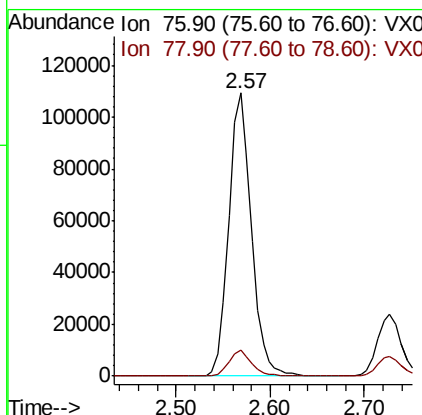
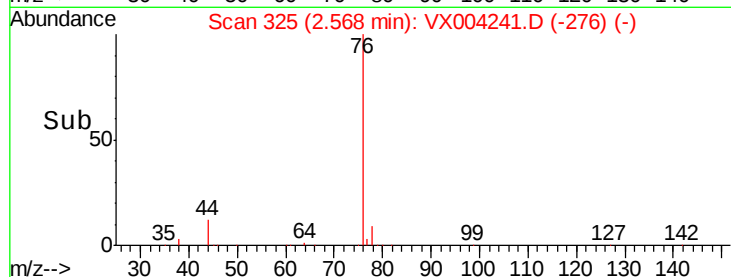
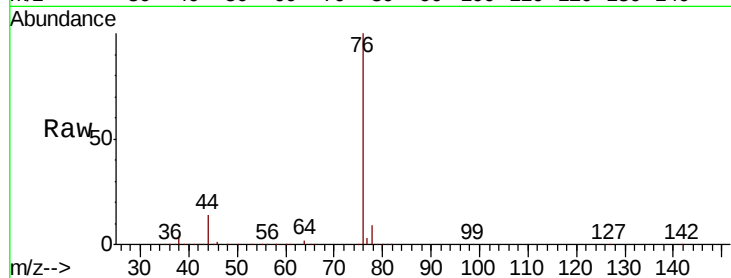
#17
Carbon Disulfide
Concen: 18.416 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX004241.D
Acq: 24 Aug 2018 12:43

Instrument :
MSVOA_X
ClientSampleId :
VX0824WBS01

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.6

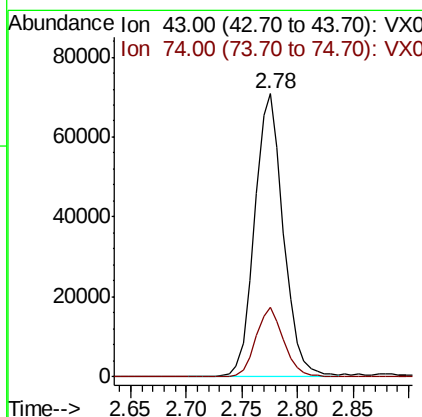
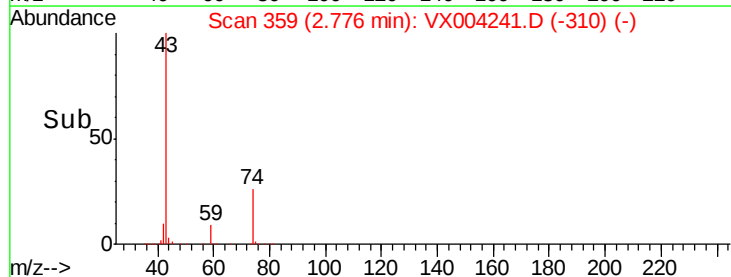
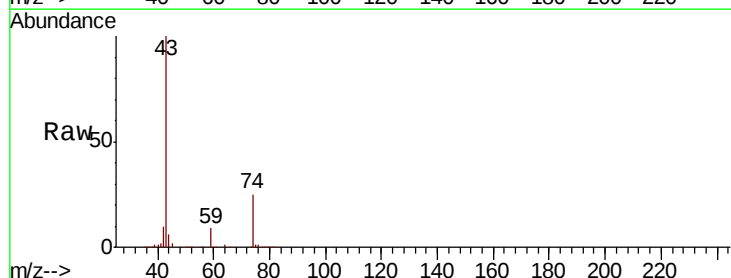
Manual Integrations
APPROVED

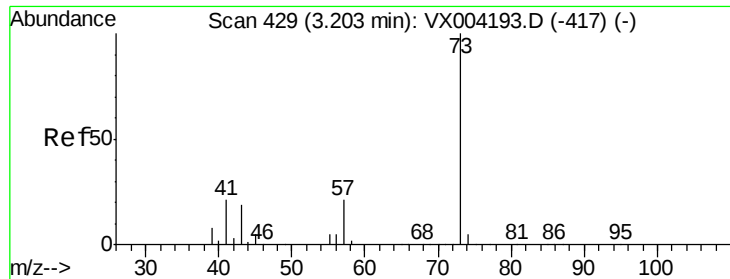
MMDadoda
8/25/2018 11:42:41 AM



#18
Methyl Acetate
Concen: 18.950 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.00 min
Lab File: VX004241.D
Acq: 24 Aug 2018 12:43

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.4	29.2





#19

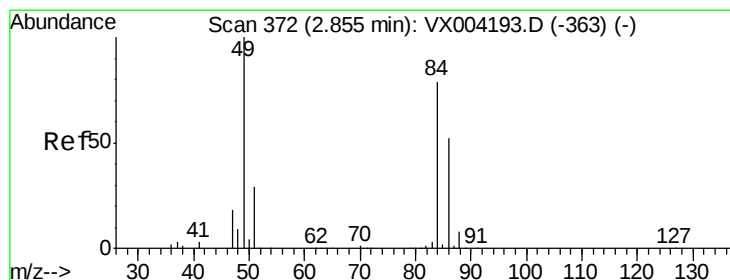
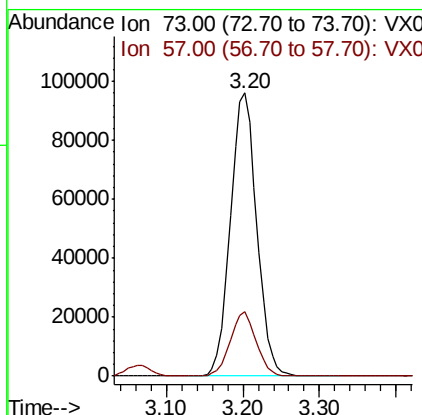
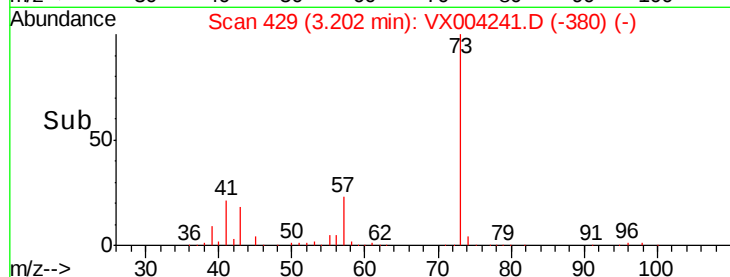
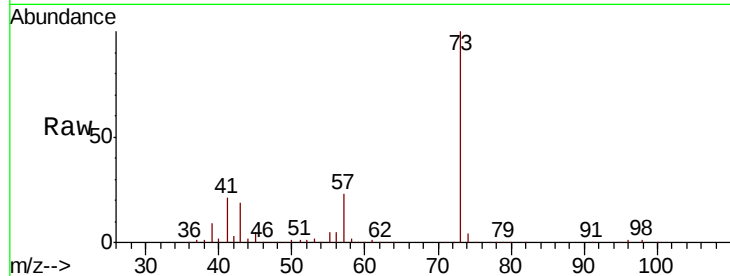
Methyl tert-butyl Ether
Concen: 18.931 ug/l
RT: 3.20 min Scan# 429
Delta R.T. -0.00 min
Lab File: VX004241.D
Acq: 24 Aug 2018 12:43

Instrument :
MSVOA_X
ClientSampled :
VX0824WBS01

Tgt Ion	Ratio	Lower	Upper
73	100		
57	22.7	17.1	25.7

Manual Integrations
APPROVED

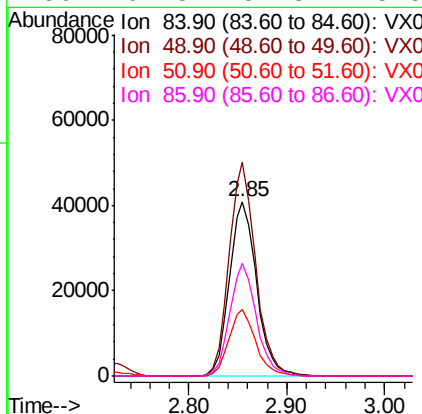
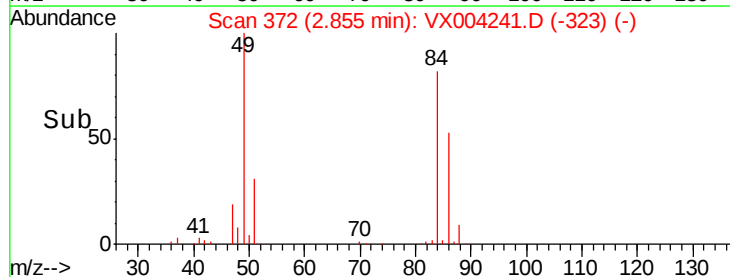
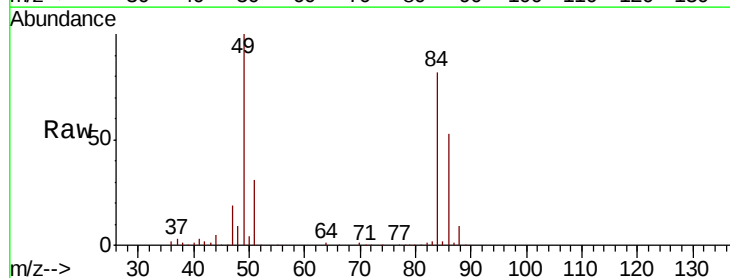
MMDadoda
8/25/2018 11:42:41 AM

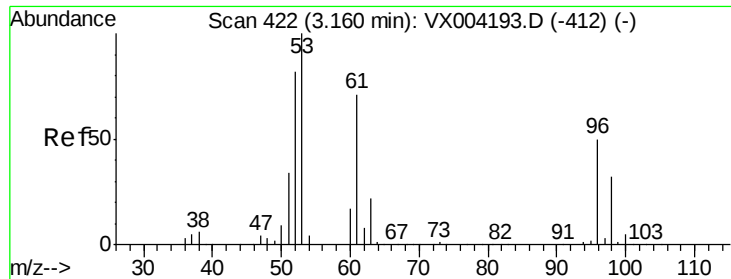


#20

Methylene Chloride
Concen: 18.155 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.00 min
Lab File: VX004241.D
Acq: 24 Aug 2018 12:43

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.4	101.2	151.8
51	38.2	29.5	44.3
86	64.3	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 18.239 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.00 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

Instrument :

MSVOA_X

ClientSampleId :

VX0824WBS01

Tgt Ion: 96 Resp: 74072

Ion Ratio Lower Upper

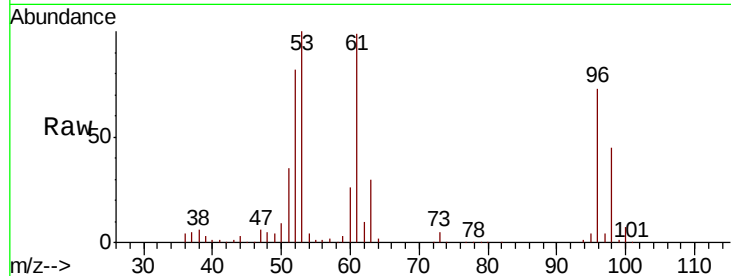
96 100

61 135.8 113.8 170.6

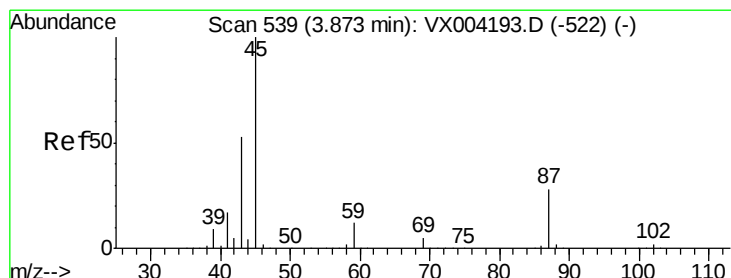
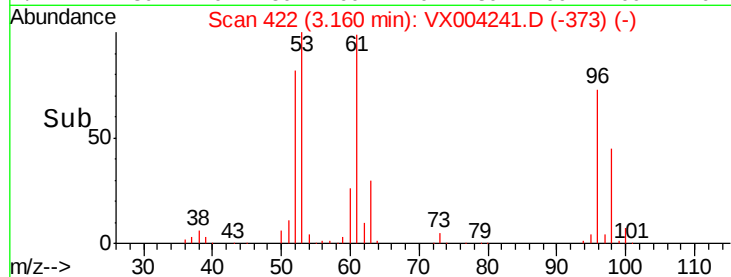
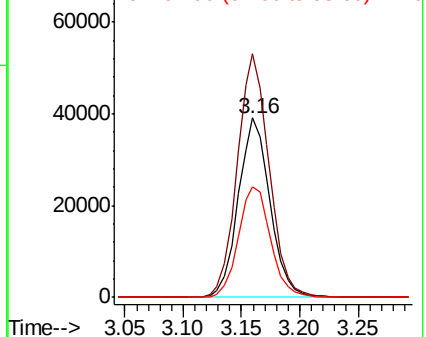
98 61.9 51.8 77.8

Manual Integrations
APPROVED

MMDadoda
8/25/2018 11:42:41 AM



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



#22

Diisopropyl ether

Concen: 17.850 ug/l

RT: 3.87 min Scan# 538

Delta R.T. -0.01 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

Tgt Ion: 45 Resp: 224672

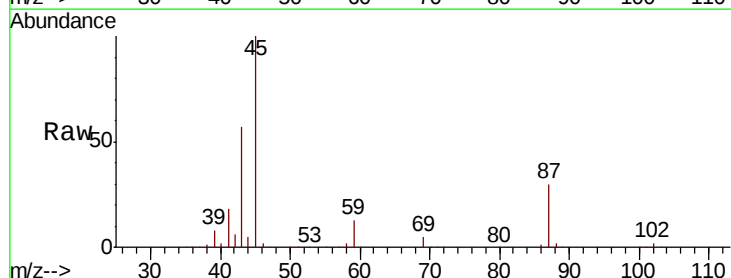
Ion Ratio Lower Upper

45 100

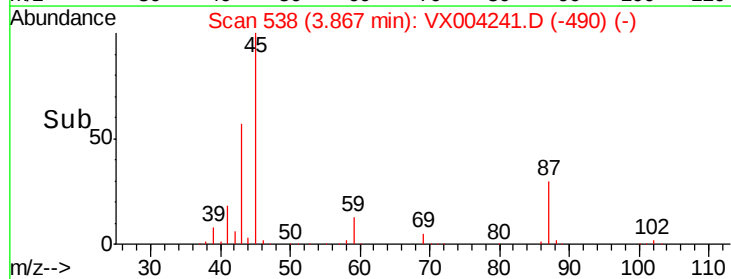
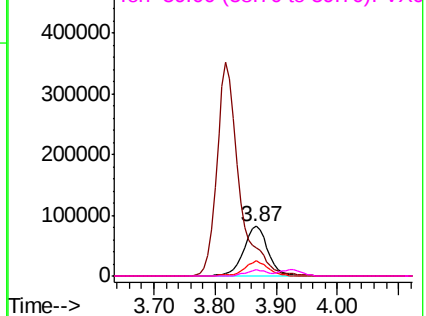
43 57.3 42.8 64.2

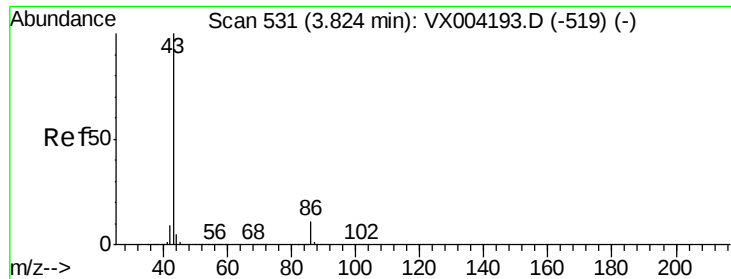
87 30.0 22.6 34.0

59 12.7 9.6 14.4



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 88.219 ug/l

RT: 3.82 min Scan# 530

Delta R.T. -0.01 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

Instrument :

MSVOA_X

ClientSampleId :

VX0824WBS01

Tgt Ion: 43 Resp: 899967

Ion Ratio Lower Upper

43 100

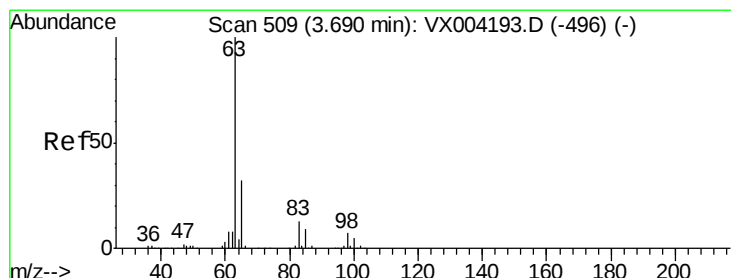
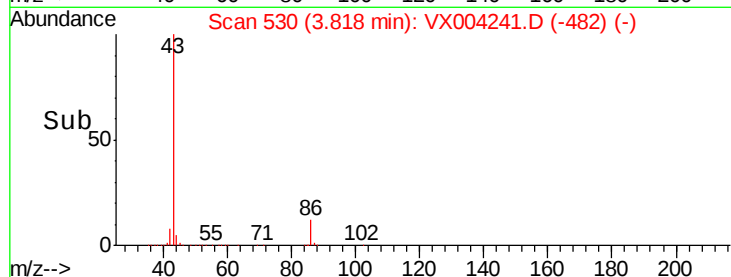
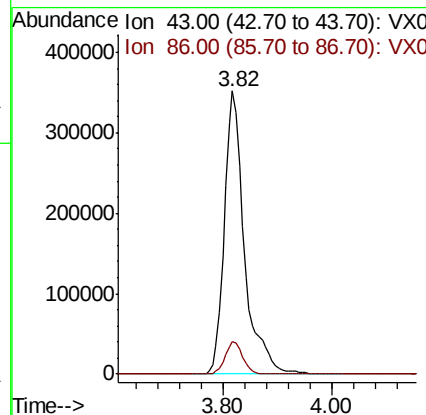
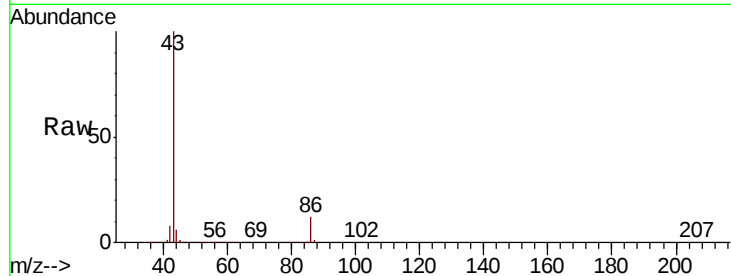
86 11.6 8.9 13.3

Manual Integrations

APPROVED

MMDadoda

8/25/2018 11:42:41 AM



#24

1,1-Dichloroethane

Concen: 18.651 ug/l

RT: 3.69 min Scan# 509

Delta R.T. -0.00 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

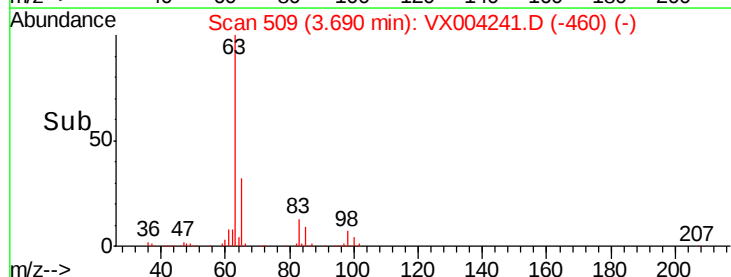
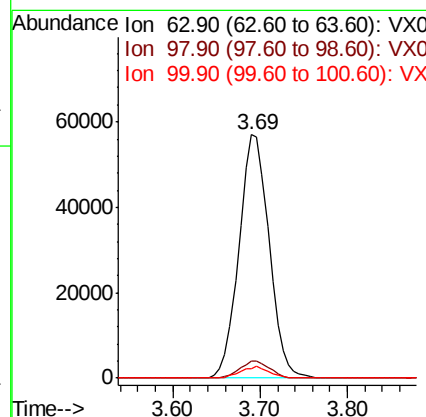
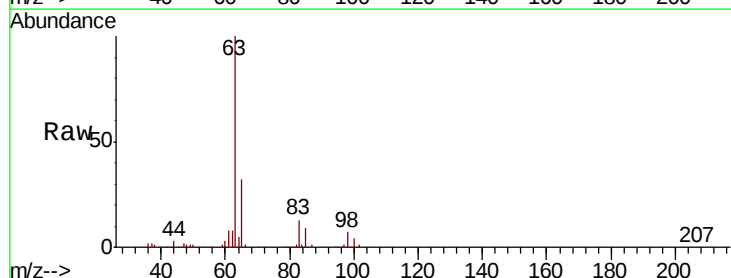
Tgt Ion: 63 Resp: 136811

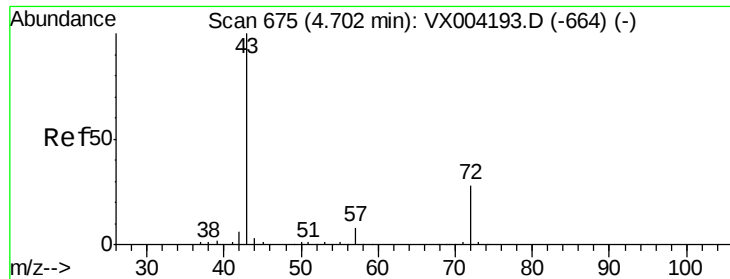
Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.4

100 4.0 2.4 7.1





#25

2-Butanone

Concen: 86.292 ug/l

RT: 4.70 min Scan# 674

Delta R.T. -0.01 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

Instrument :

MSVOA_X

ClientSampled :

VX0824WBS01

Tgt Ion: 43 Resp: 266657

Ion Ratio Lower Upper

43 100

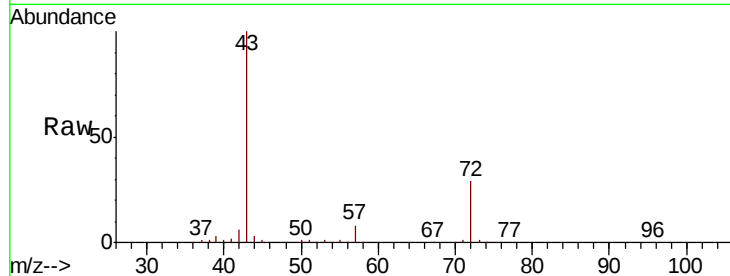
72 28.6 22.0 33.0

Manual Integrations

APPROVED

MMDadoda

8/25/2018 11:42:41 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

100000

80000

60000

40000

20000

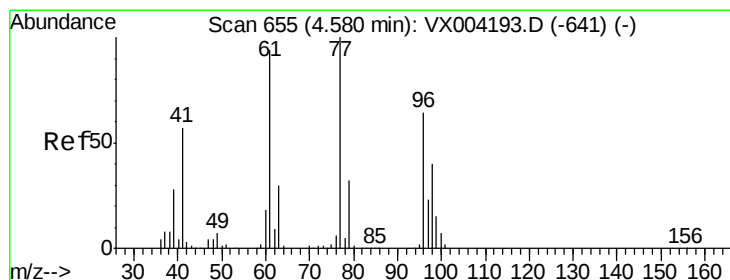
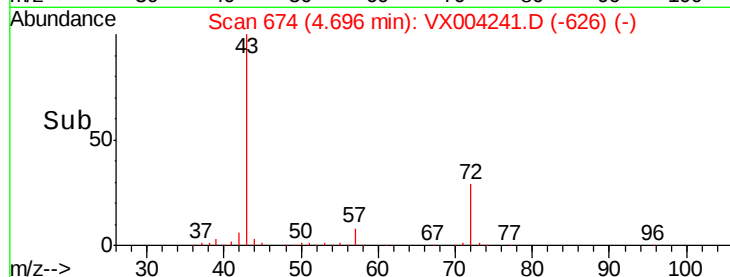
0

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 18.679 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.00 min

Lab File: VX004241.D

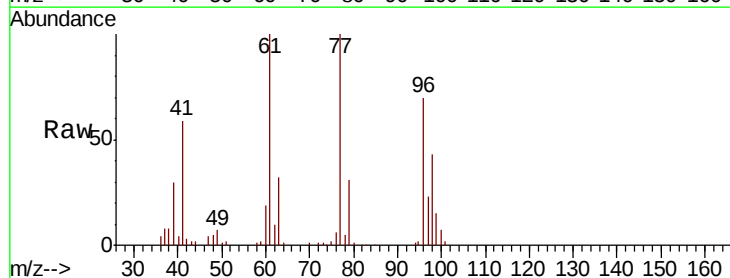
Acq: 24 Aug 2018 12:43

Tgt Ion: 77 Resp: 107468

Ion Ratio Lower Upper

77 100

97 23.3 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

20000

10000

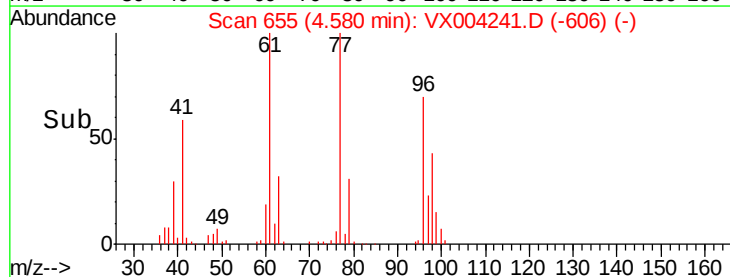
0

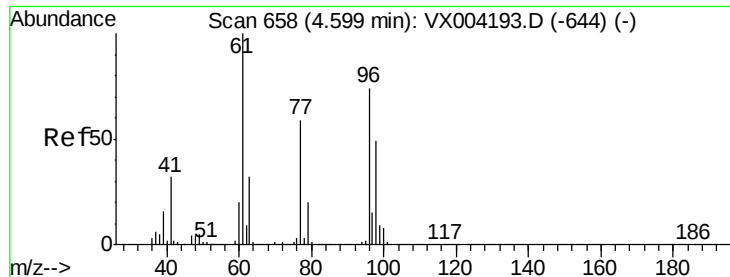
4.50

4.60

4.70

Time-->





#27

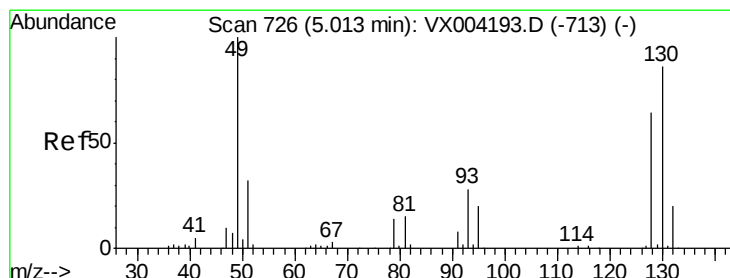
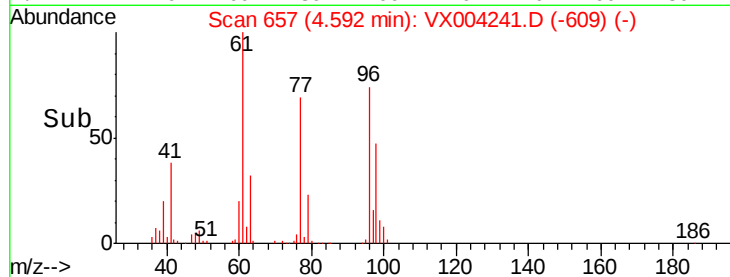
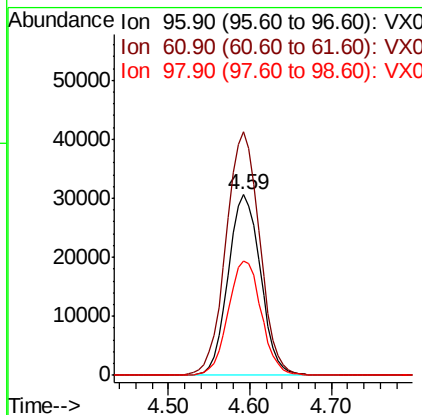
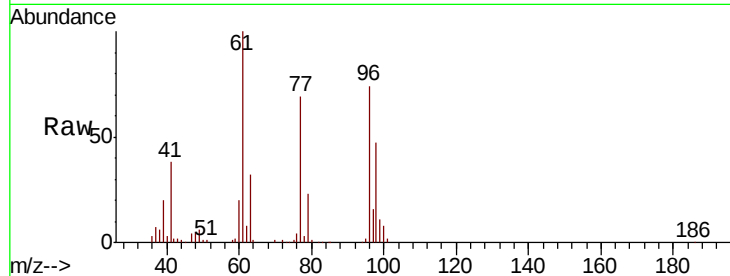
cis-1,2-Dichloroethene
 Concen: 18.256 ug/l
 RT: 4.59 min Scan# 657
 Delta R.T. -0.01 min
 Lab File: VX004241.D
 Acq: 24 Aug 2018 12:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0824WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	84092		
61	139.9	0.0	282.6	
98	64.6	0.0	130.2	

Manual Integrations
 APPROVED

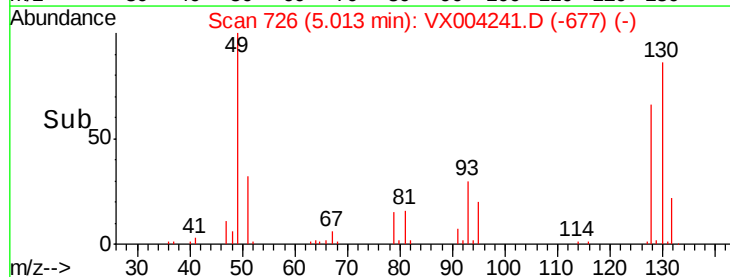
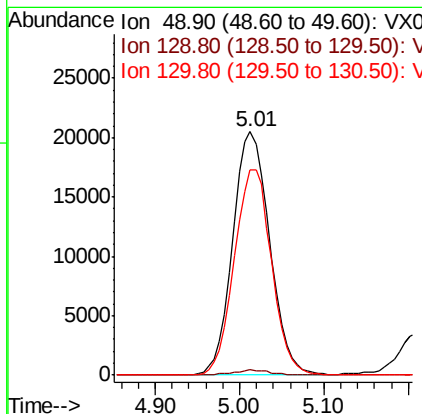
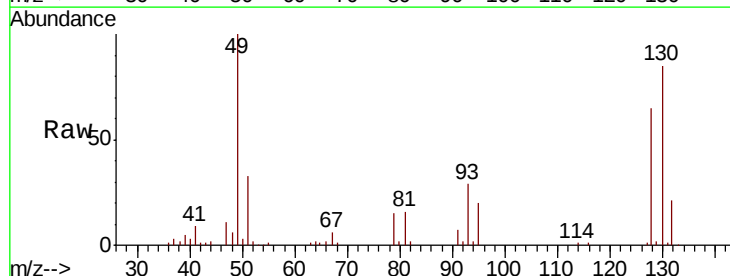
MMDadoda
 8/25/2018 11:42:41 AM

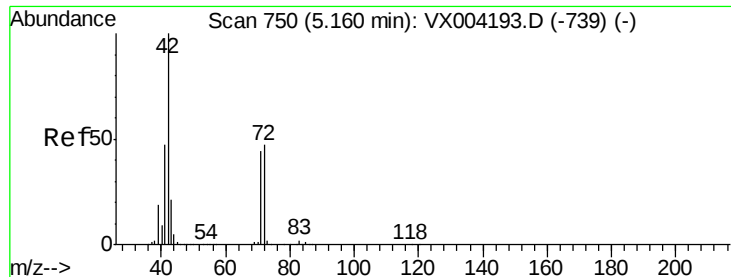


#28

Bromochloromethane
 Concen: 18.789 ug/l
 RT: 5.01 min Scan# 726
 Delta R.T. -0.00 min
 Lab File: VX004241.D
 Acq: 24 Aug 2018 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	61017		
129	2.1	0.0	4.2	
130	84.7	67.5	101.3	





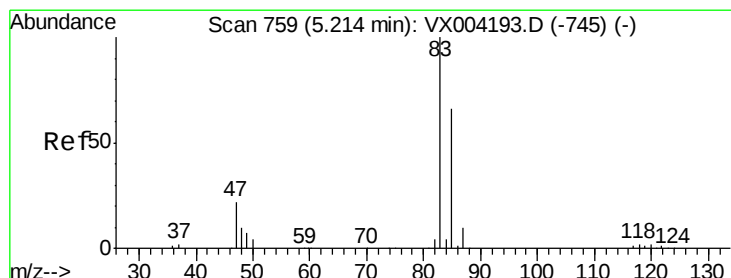
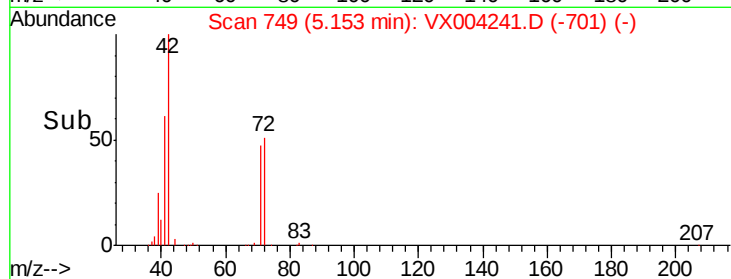
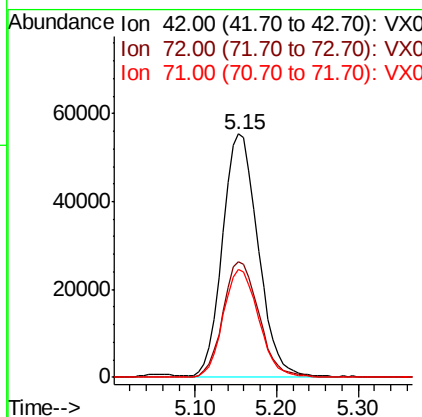
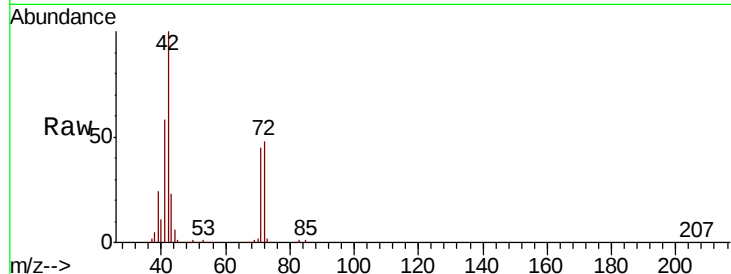
#29
Tetrahydrofuran
Concen: 85.724 ug/l
RT: 5.15 min Scan# 749
Delta R.T. -0.01 min
Lab File: VX004241.D
Acq: 24 Aug 2018 12:43

Instrument :
MSVOA_X
ClientSampleId :
VX0824WBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	48.5	37.4	56.0
71	44.7	34.5	51.7

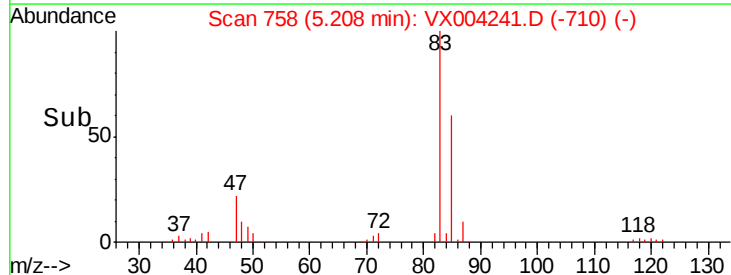
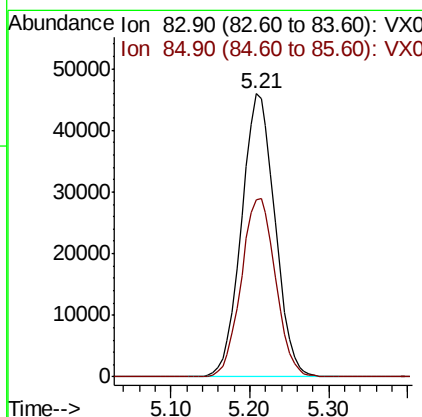
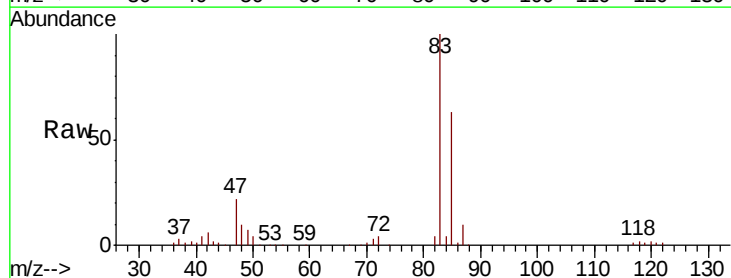
Manual Integrations
APPROVED

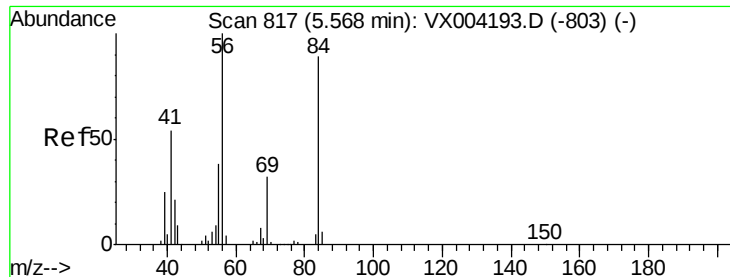
MMDadoda
8/25/2018 11:42:41 AM



#30
Chloroform
Concen: 18.411 ug/l
RT: 5.21 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX004241.D
Acq: 24 Aug 2018 12:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	52.6	79.0





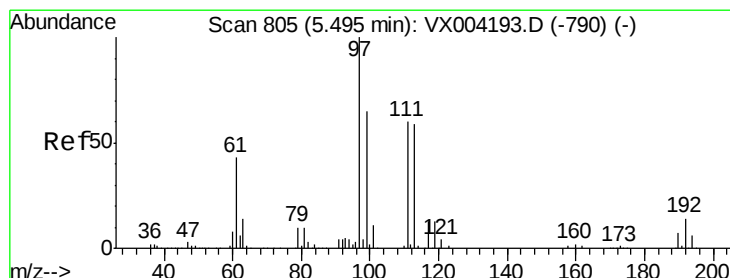
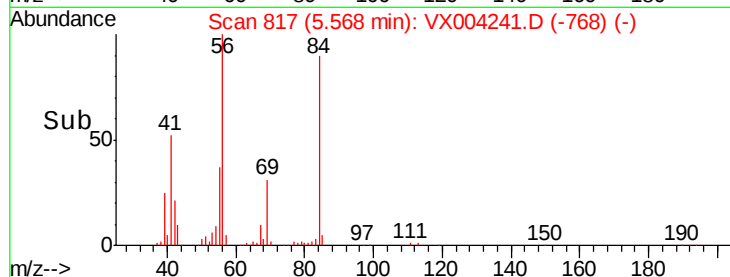
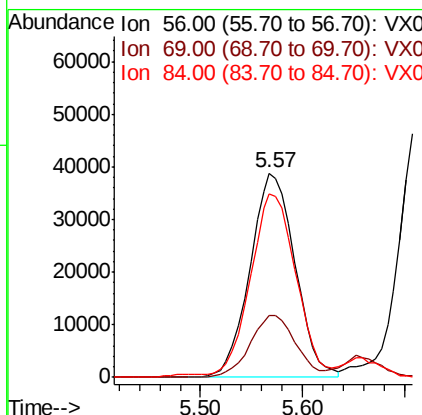
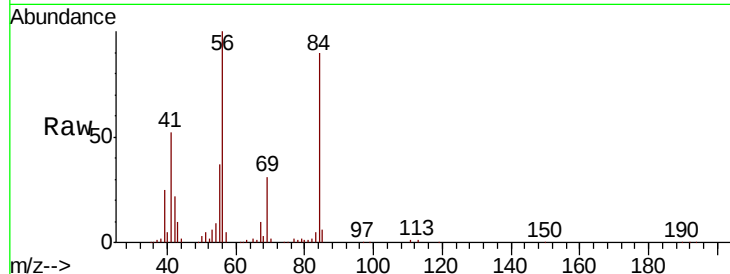
#31
Cyclohexane
Concen: 18.759 ug/l
RT: 5.57 min Scan# 817
Delta R.T. -0.00 min
Lab File: VX004241.D
Acq: 24 Aug 2018 12:43

Instrument :
MSVOA_X
ClientSampleId :
VX0824WBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.5	25.4	38.2
84	88.3	71.4	107.2

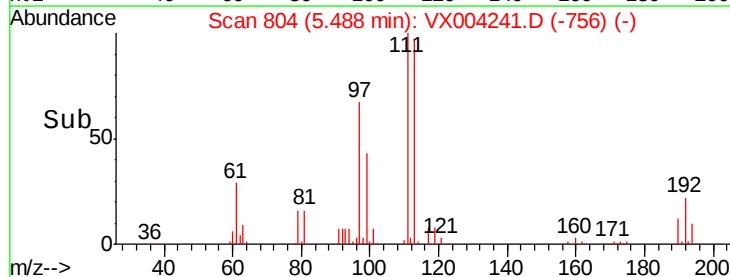
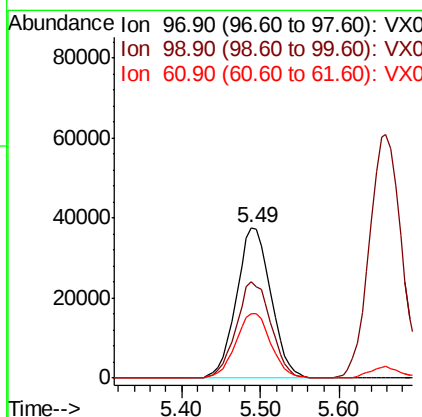
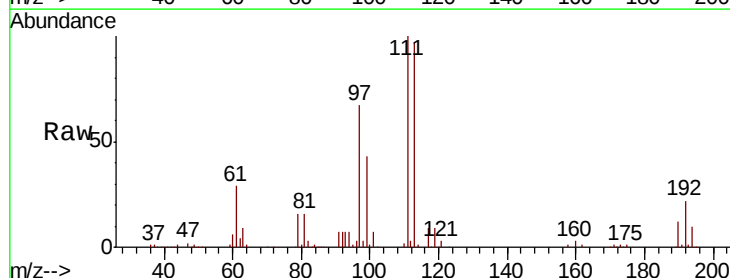
Manual Integrations
APPROVED

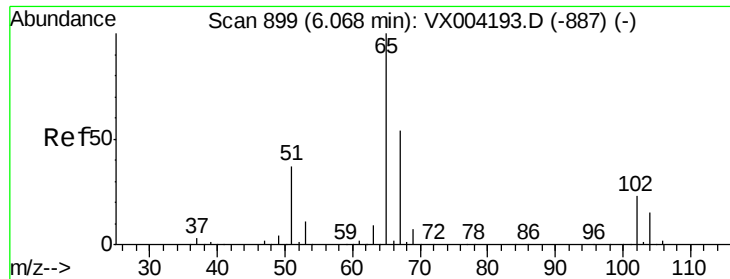
MMDadoda
8/25/2018 11:42:41 AM



#32
1,1,1-Trichloroethane
Concen: 18.617 ug/l
RT: 5.49 min Scan# 804
Delta R.T. -0.01 min
Lab File: VX004241.D
Acq: 24 Aug 2018 12:43

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	52.0	78.0
61	44.0	34.9	52.3





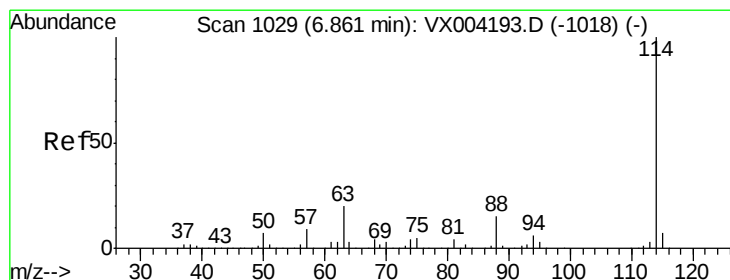
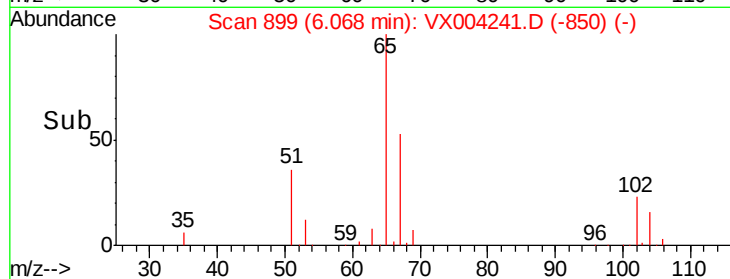
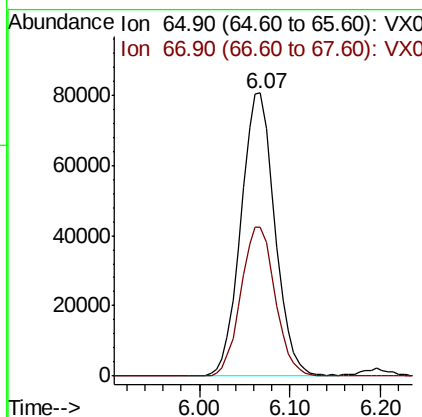
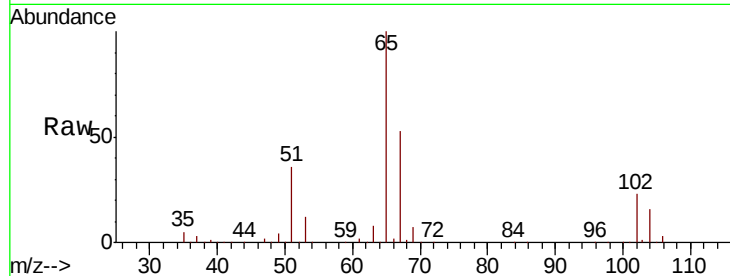
#33
 1,2-Dichloroethane-d4
 Concen: 46.266 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004241.D
 Acq: 24 Aug 2018 12:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0824WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	208857		
67	53.4	0.0	106.8	

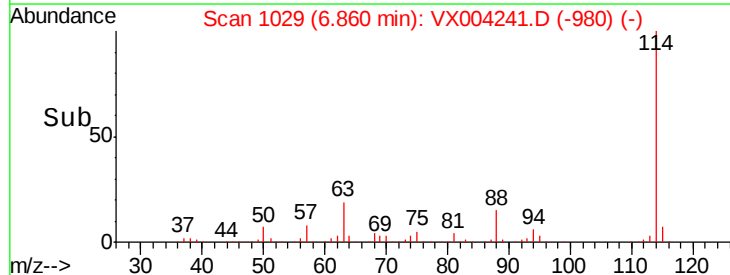
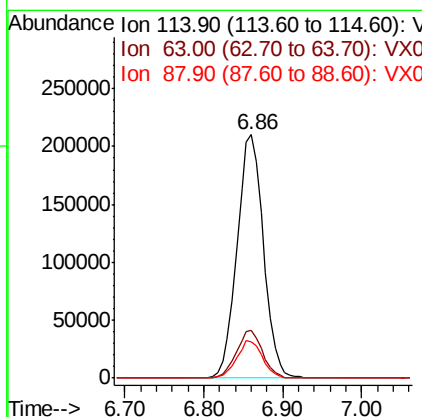
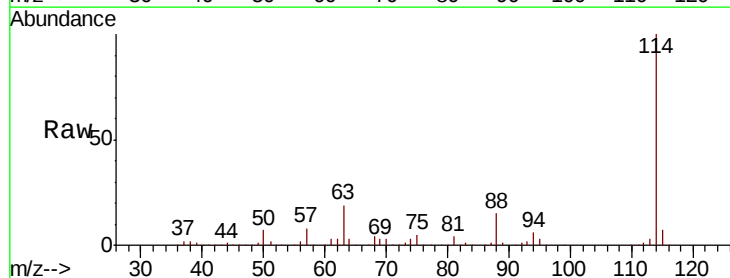
Manual Integrations
 APPROVED

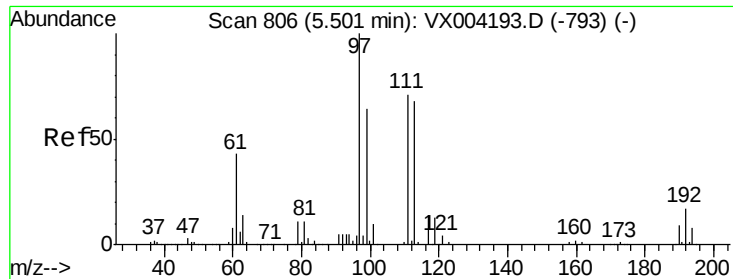
MMDadoda
 8/25/2018 11:42:41 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VX004241.D
 Acq: 24 Aug 2018 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	489401		
63	19.5	0.0	39.0	
88	15.1	0.0	30.4	





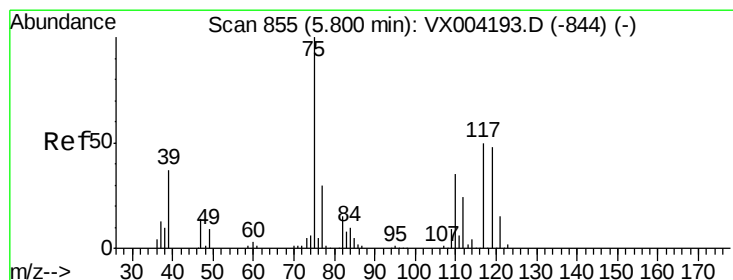
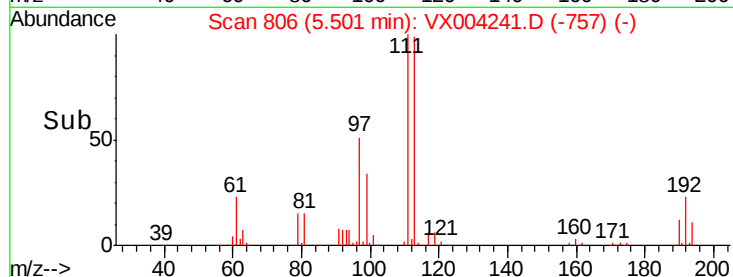
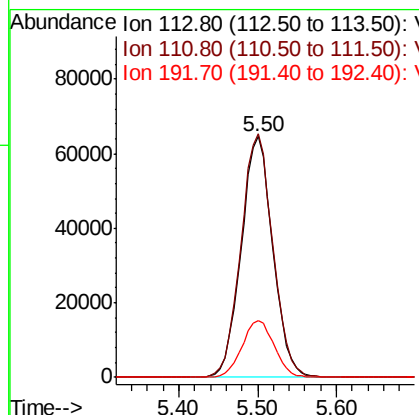
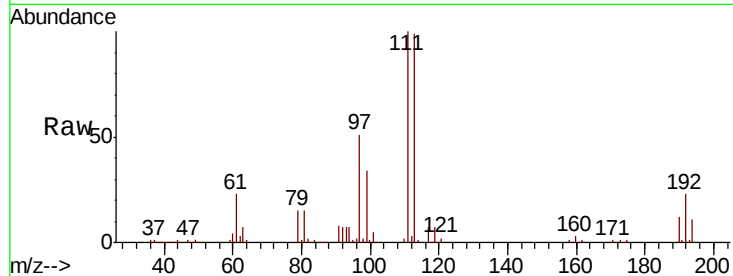
#35
 Dibromofluoromethane
 Concen: 49.250 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004241.D
 Acq: 24 Aug 2018 12:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0824WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	179311		
111	102.2	82.4	123.6	
192	24.0	19.4	29.2	

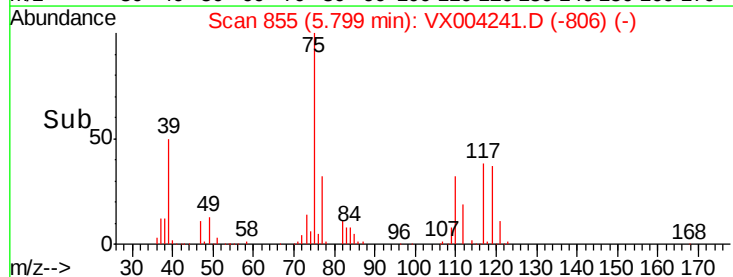
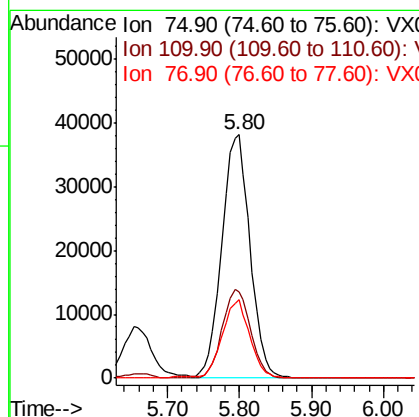
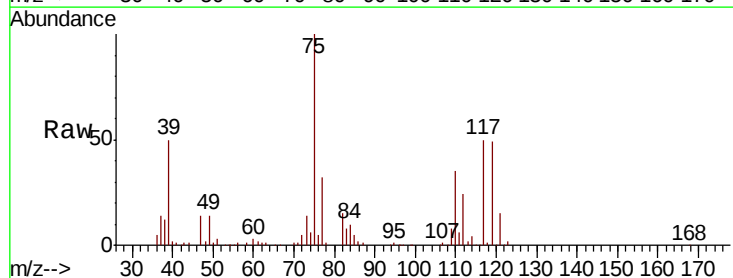
Manual Integrations
 APPROVED

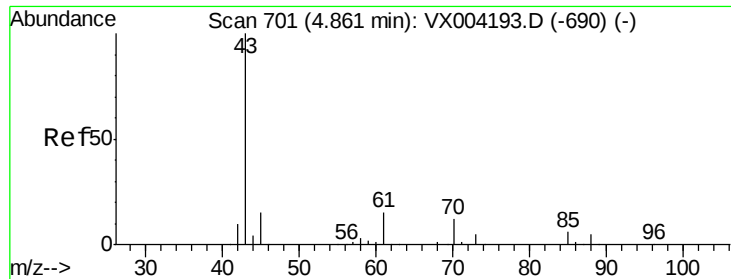
MMDadoda
 8/25/2018 11:42:41 AM



#36
 1,1-Dichloropropene
 Concen: 18.916 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.00 min
 Lab File: VX004241.D
 Acq: 24 Aug 2018 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	104078		
110	36.3	18.0	54.0	
77	31.4	24.6	36.8	





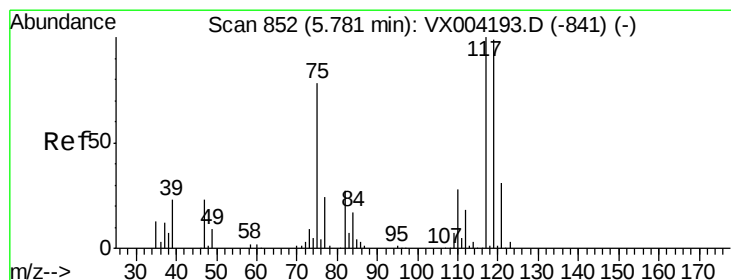
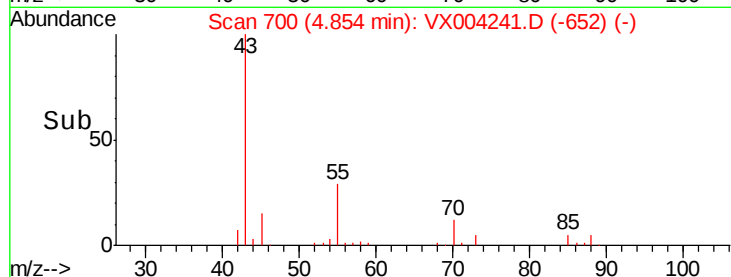
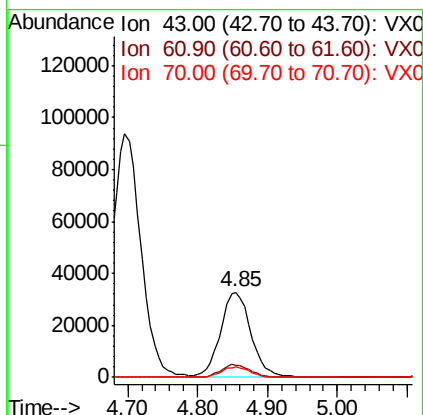
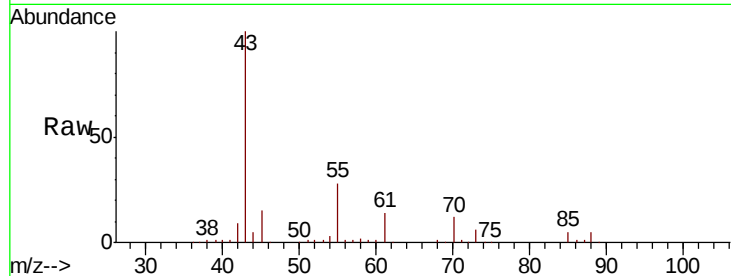
#37
Ethyl Acetate
Concen: 18.259 ug/l
RT: 4.85 min Scan# 700
Delta R.T. -0.01 min
Lab File: VX004241.D
Acq: 24 Aug 2018 12:43

Instrument :
MSVOA_X
ClientSampleId :
VX0824WBS01

Tgt Ion: 43 Resp: 98801
Ion Ratio Lower Upper
43 100
61 14.6 11.5 17.3
70 11.6 9.0 13.6

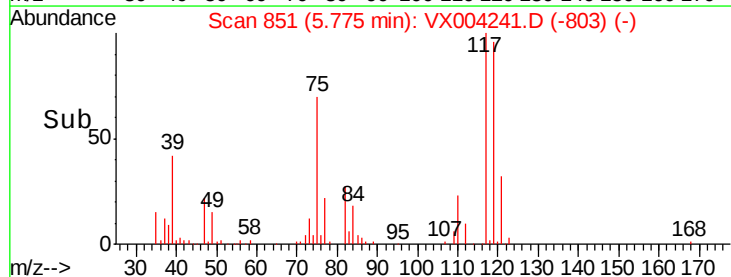
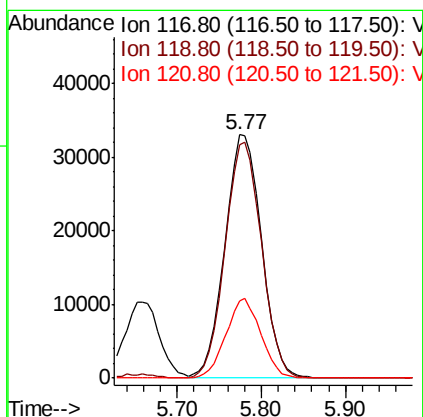
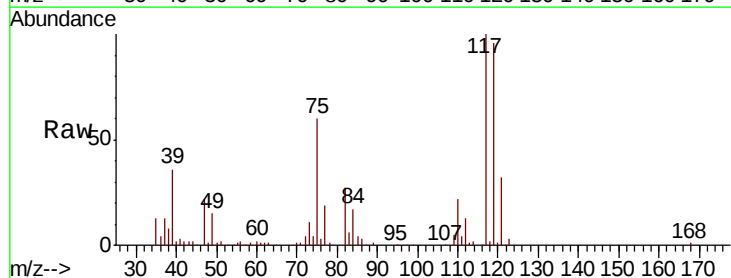
Manual Integrations
APPROVED

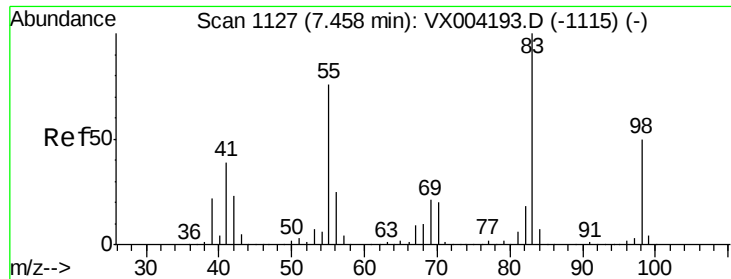
MMDadoda
8/25/2018 11:42:41 AM



#38
Carbon Tetrachloride
Concen: 18.911 ug/l
RT: 5.77 min Scan# 851
Delta R.T. -0.01 min
Lab File: VX004241.D
Acq: 24 Aug 2018 12:43

Tgt Ion: 117 Resp: 97877
Ion Ratio Lower Upper
117 100
119 96.0 78.8 118.2
121 31.9 24.9 37.3





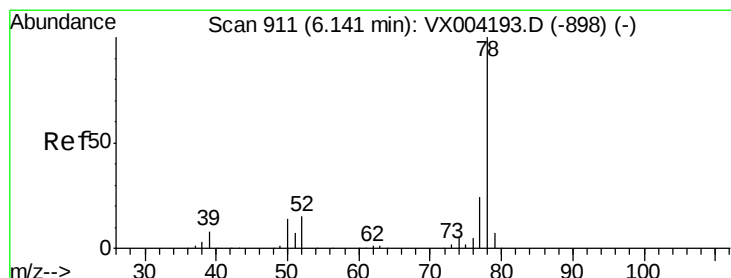
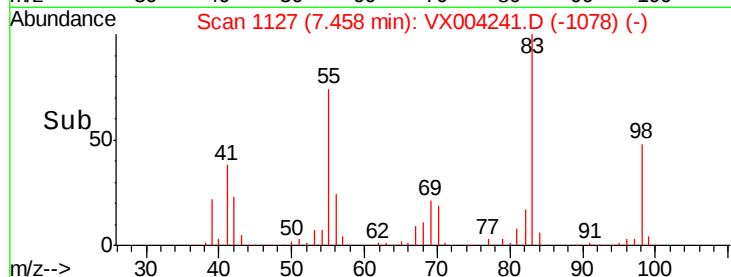
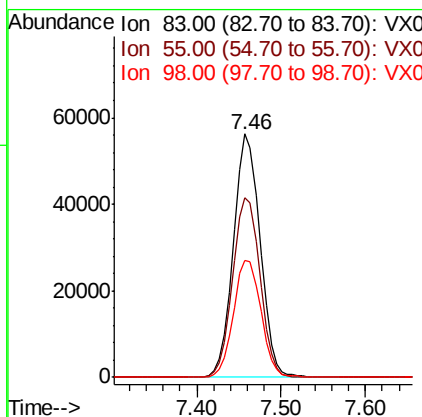
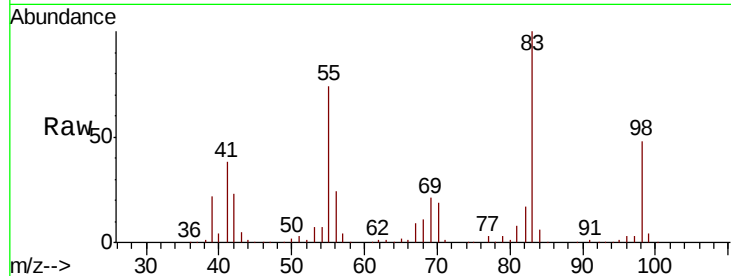
#39
Methylcyclohexane
Concen: 19.154 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VX004241.D
Acq: 24 Aug 2018 12:43

Instrument :
MSVOA_X
ClientSampleId :
VX0824WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	120323		
55	74.0		61.0	91.4
98	48.1		39.6	59.4

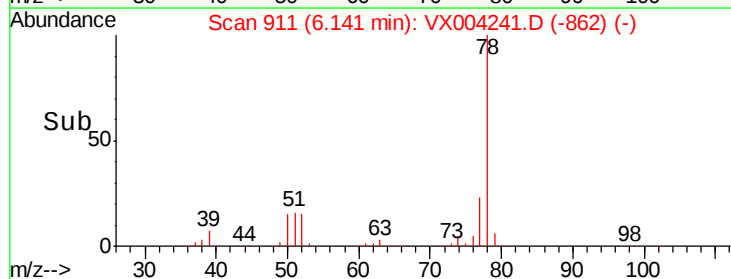
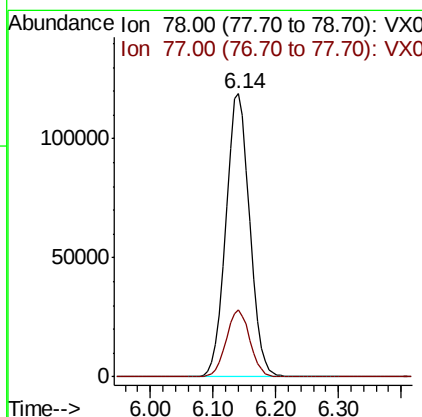
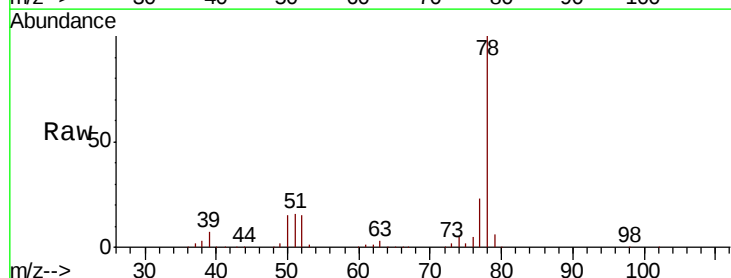
Manual Integrations
APPROVED

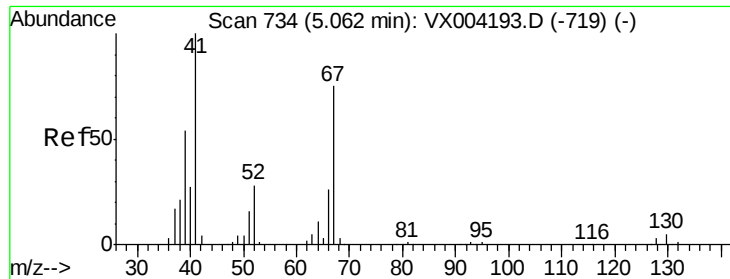
MMDadoda
8/25/2018 11:42:41 AM



#40
Benzene
Concen: 18.994 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.00 min
Lab File: VX004241.D
Acq: 24 Aug 2018 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	312264		
77	23.5		19.0	28.4





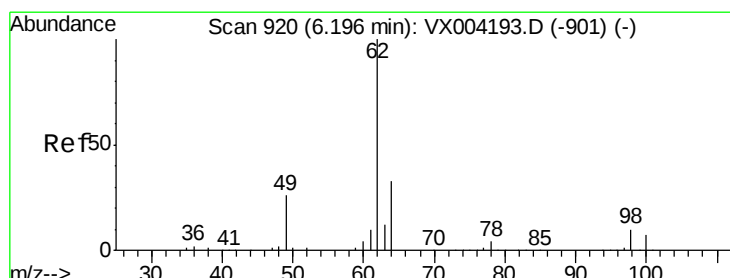
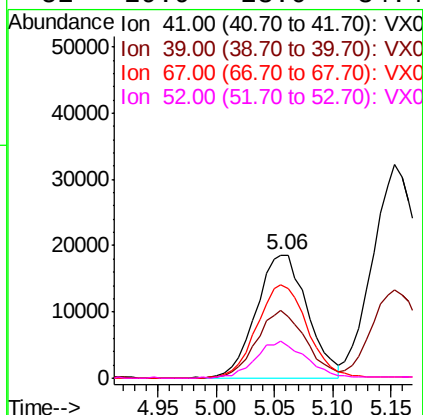
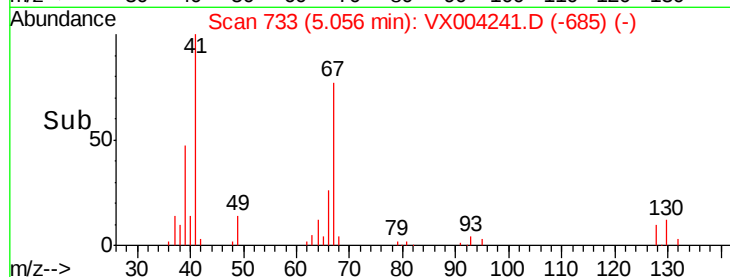
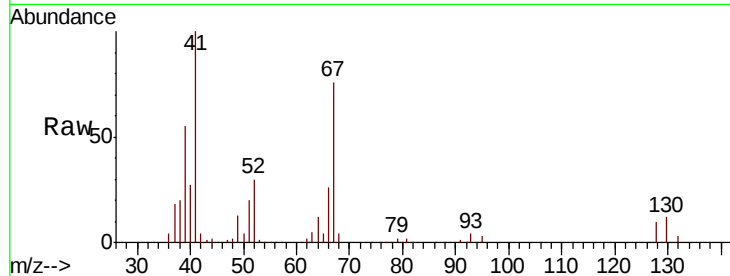
#41
Methacrylonitrile
Concen: 18.164 ug/l
RT: 5.06 min Scan# 733
Delta R.T. -0.01 min
Lab File: VX004241.D
Acq: 24 Aug 2018 12:43

Instrument :
MSVOA_X
ClientSampleId :
VX0824WBS01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	53.1	42.4	63.6
67	75.3	59.2	88.8
52	29.9	23.0	34.4

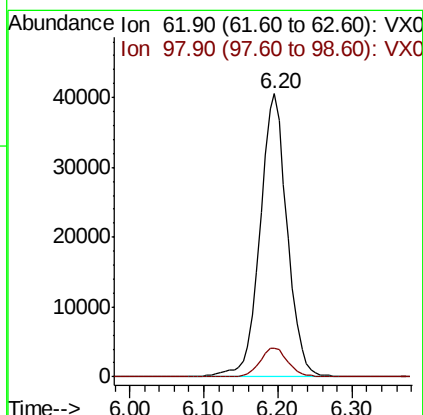
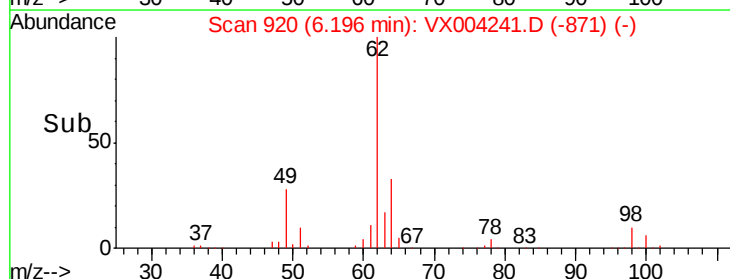
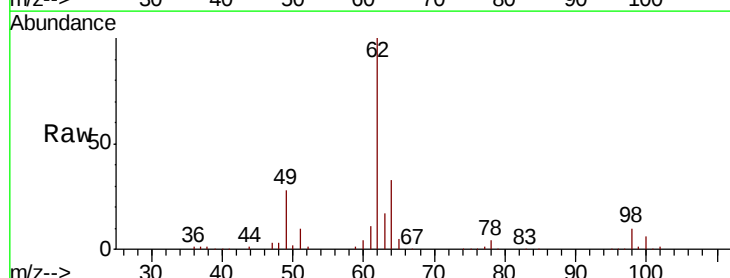
Manual Integrations
APPROVED

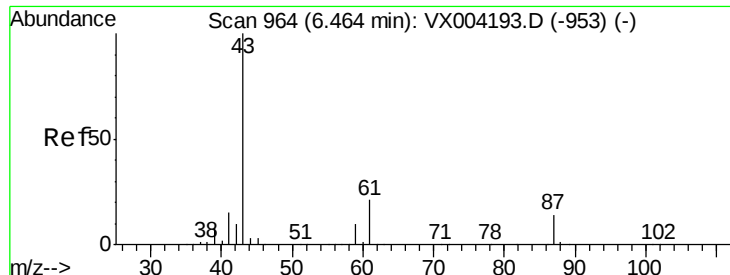
MMDadoda
8/25/2018 11:42:41 AM



#42
1,2-Dichloroethane
Concen: 18.452 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.00 min
Lab File: VX004241.D
Acq: 24 Aug 2018 12:43

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	20.6





#43

Isopropyl Acetate

Concen: 18.085 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.00 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

Instrument :

MSVOA_X

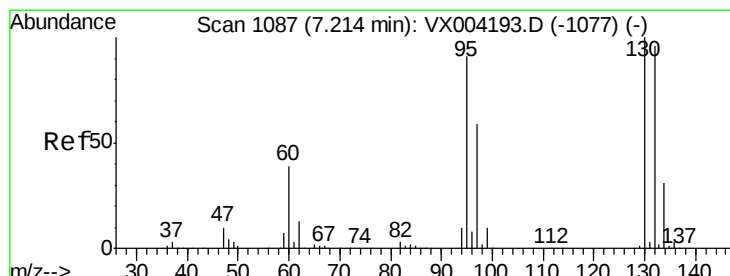
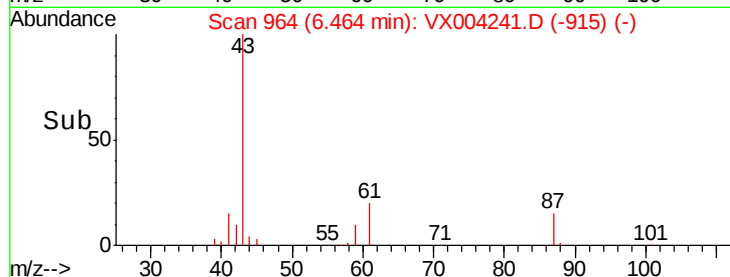
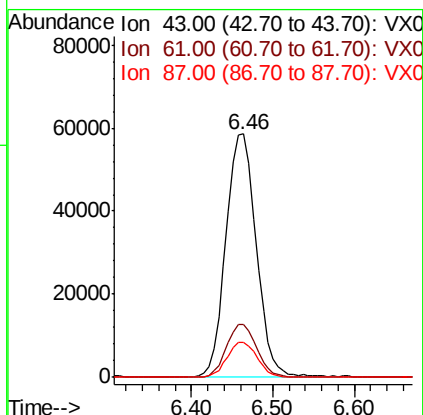
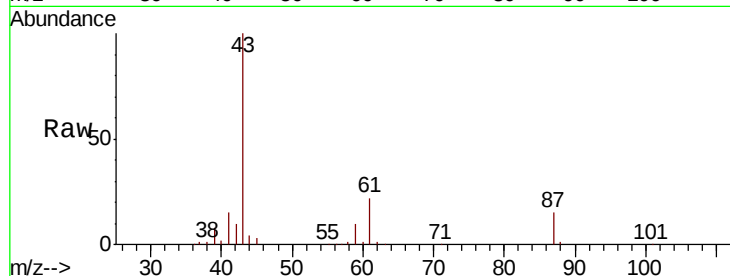
ClientSampleId :

VX0824WBS01

Tgt Ion:	43	Resp:	150368
Ion	Ratio	Lower	Upper
43	100		
61	21.7	17.0	25.4
87	14.6	11.4	17.2

Manual Integrations
APPROVED

MMDadoda
8/25/2018 11:42:41 AM



#44

Trichloroethene

Concen: 18.779 ug/l

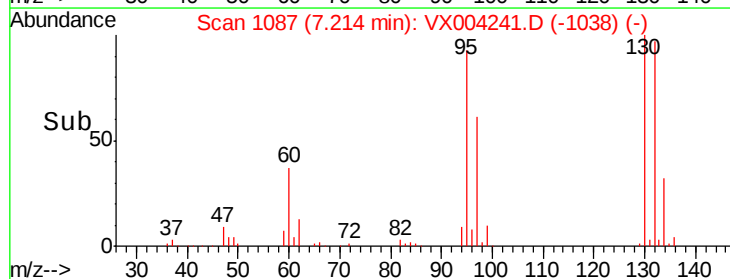
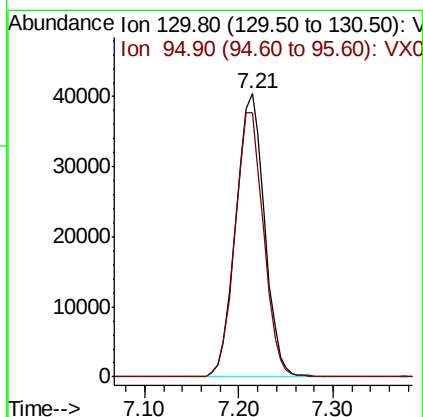
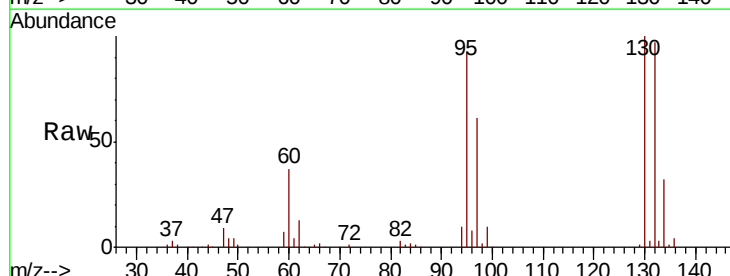
RT: 7.21 min Scan# 1087

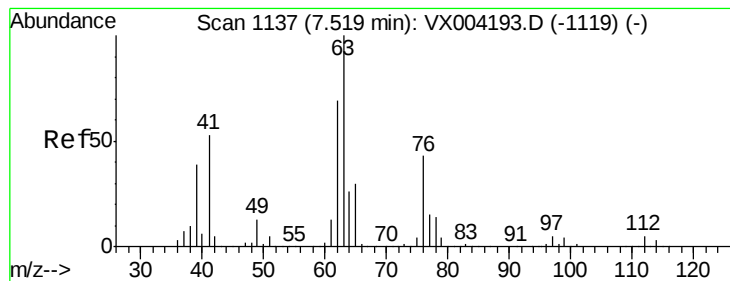
Delta R.T. -0.00 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

Tgt Ion:	130	Resp:	85459
Ion	Ratio	Lower	Upper
130	100		
95	93.3	0.0	181.6





#45

1,2-Dichloropropane

Concen: 19.058 ug/l

RT: 7.51 min Scan# 1136

Delta R.T. -0.01 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

Instrument :

MSVOA_X

ClientSampleId :

VX0824WBS01

Tgt Ion: 63 Resp: 78418

Ion Ratio Lower Upper

63 100

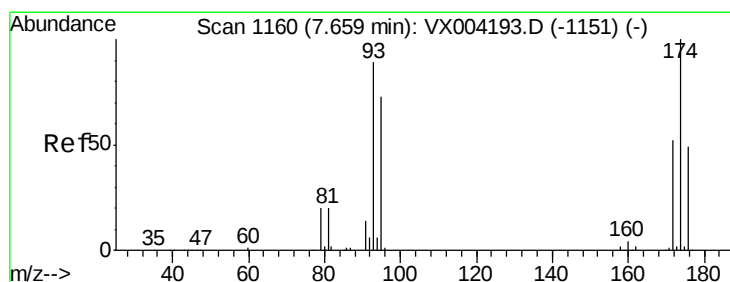
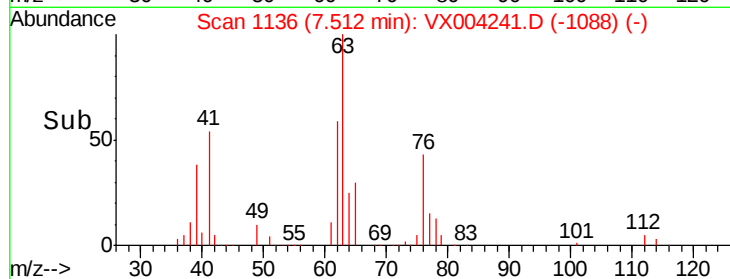
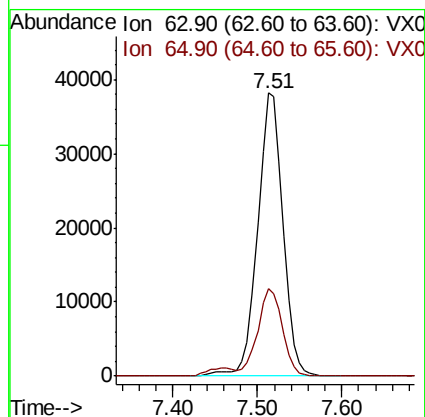
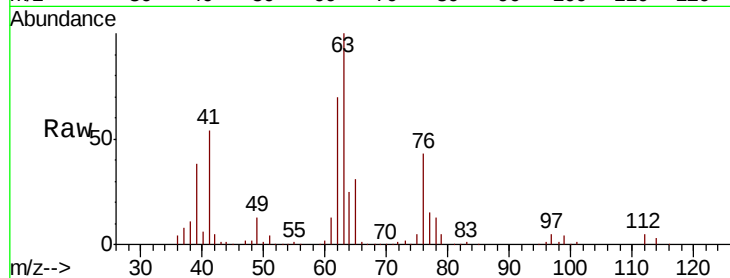
65 31.0 24.3 36.5

Manual Integrations

APPROVED

MMDadoda

8/25/2018 11:42:41 AM



#46

Dibromomethane

Concen: 18.679 ug/l

RT: 7.66 min Scan# 1160

Delta R.T. -0.00 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

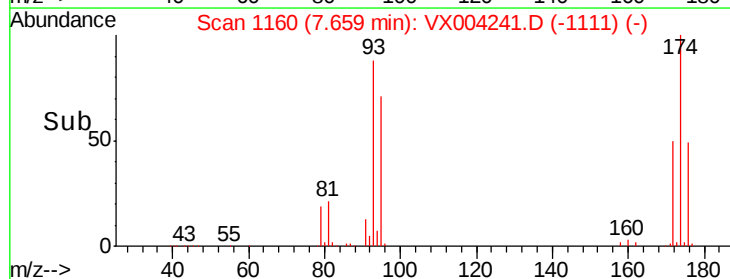
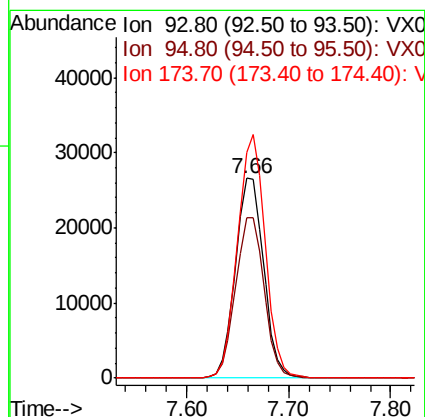
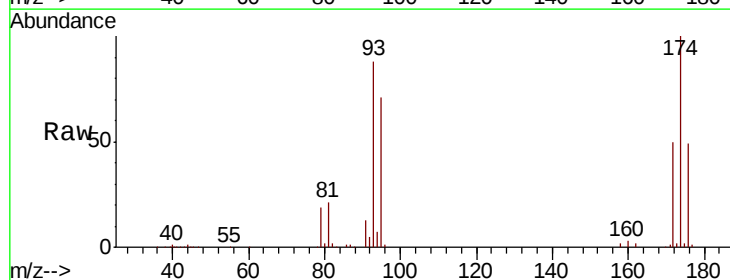
Tgt Ion: 93 Resp: 51174

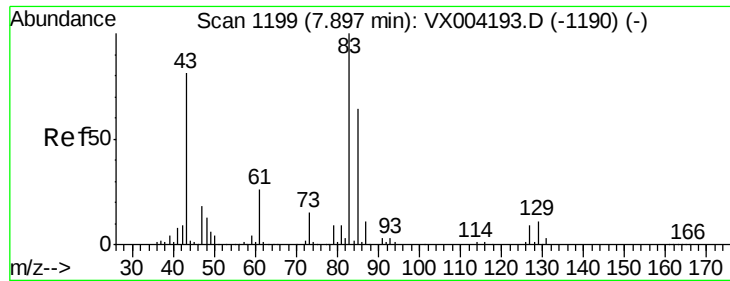
Ion Ratio Lower Upper

93 100

95 81.3 65.5 98.3

174 119.1 94.2 141.4





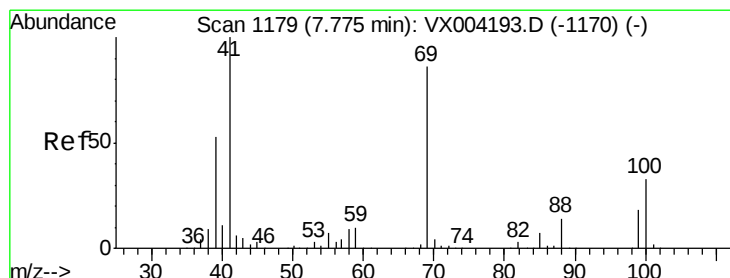
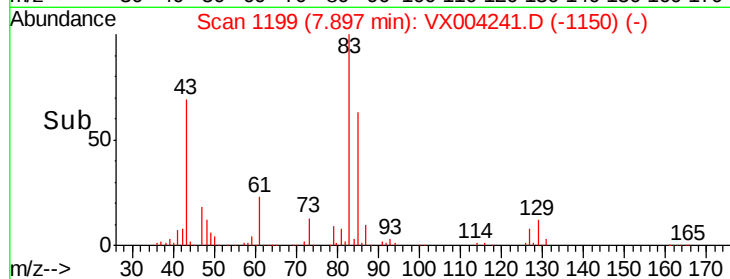
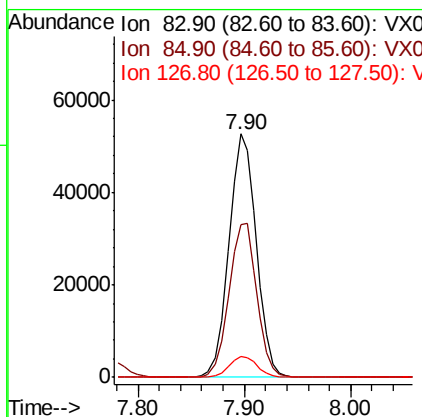
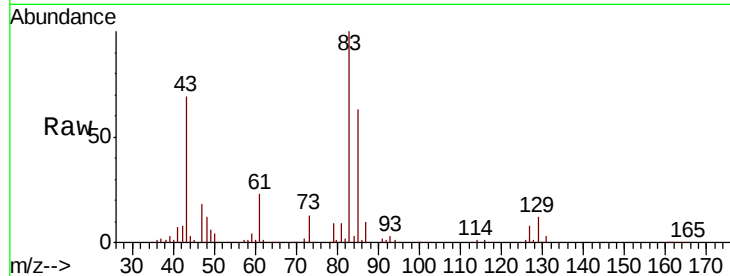
#47
 Bromodichloromethane
 Concen: 18.645 ug/l
 RT: 7.90 min Scan# 1199
 Delta R.T. -0.00 min
 Lab File: VX004241.D
 Acq: 24 Aug 2018 12:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0824WBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.6	50.9	76.3
127	8.4	7.3	10.9

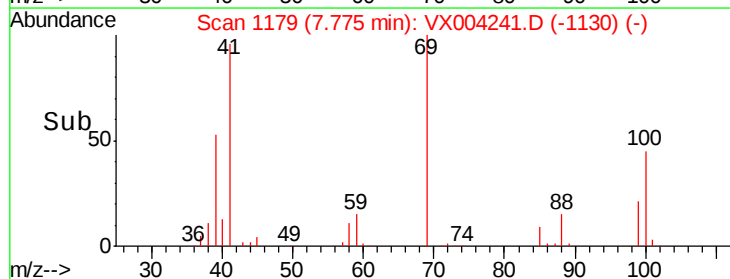
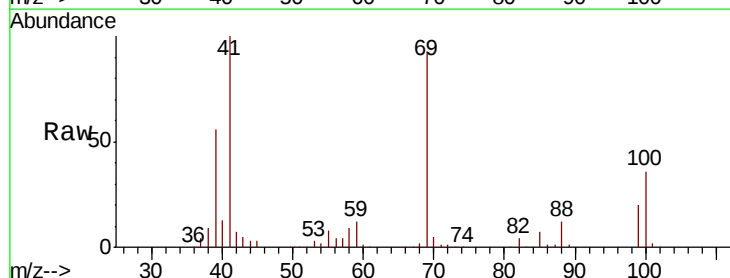
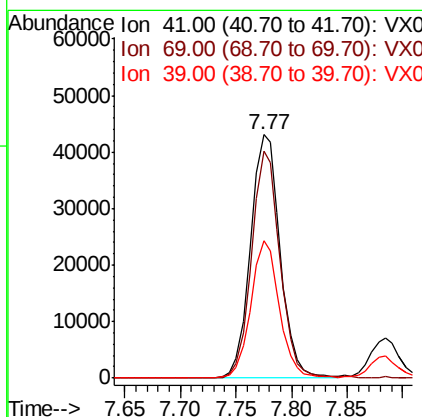
Manual Integrations
 APPROVED

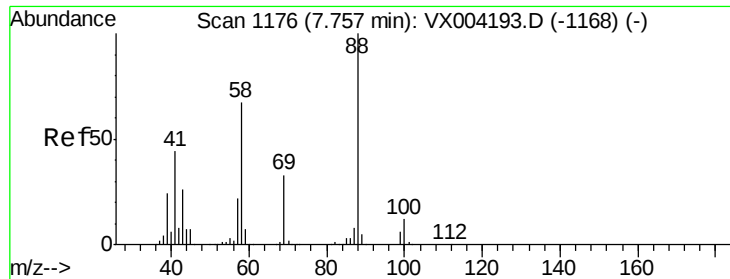
MMDadoda
 8/25/2018 11:42:41 AM



#48
 Methyl methacrylate
 Concen: 18.034 ug/l
 RT: 7.77 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VX004241.D
 Acq: 24 Aug 2018 12:43

Tgt Ion	Ratio	Lower	Upper
41	100		
69	89.5	70.2	105.4
39	54.3	42.7	64.1





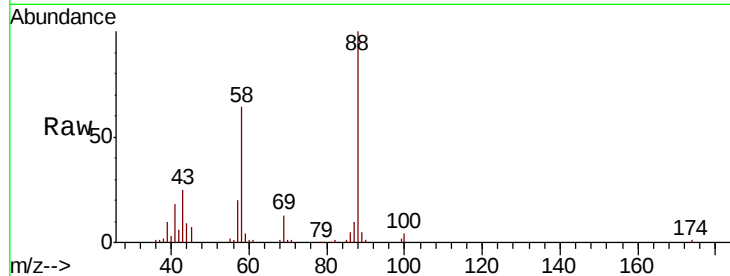
#49
1,4-Dioxane
Concen: 371.310 ug/l
RT: 7.75 min Scan# 1175
Delta R.T. -0.01 min
Lab File: VX004241.D
Acq: 24 Aug 2018 12:43

Instrument :
MSVOA_X
ClientSampleId :
VX0824WBS01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	30.3	24.7	37.1
58	67.4	55.3	82.9

Manual Integrations
APPROVED

MMDadoda
8/25/2018 11:42:41 AM

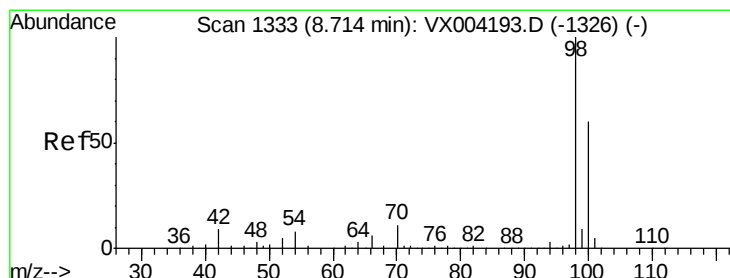
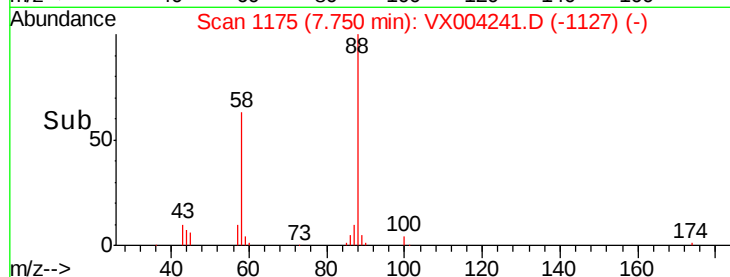
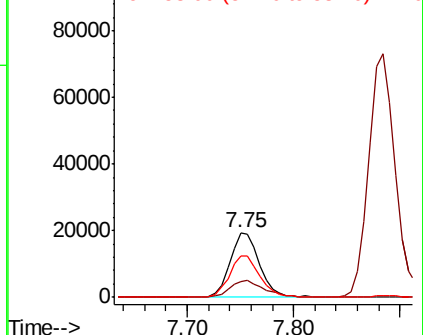


Abundance

Ion 88.00 (87.70 to 88.70): VX0

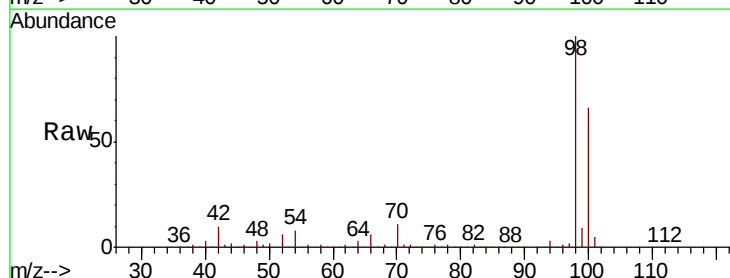
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 49.884 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.00 min
Lab File: VX004241.D
Acq: 24 Aug 2018 12:43

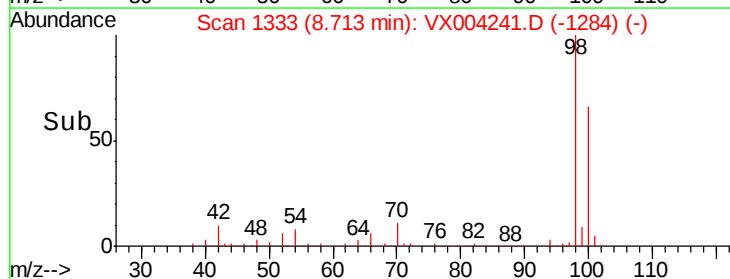
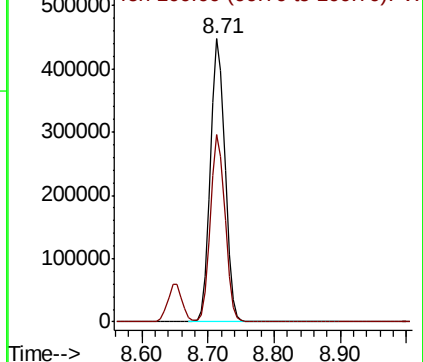
Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.9	79.3

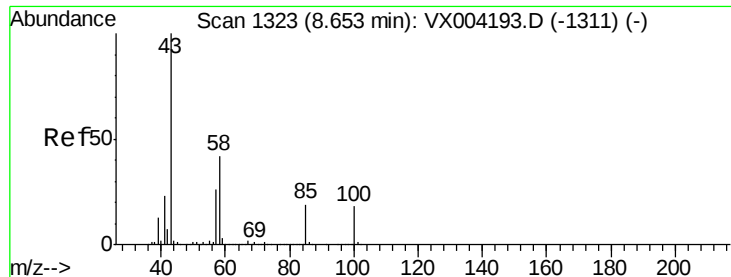


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





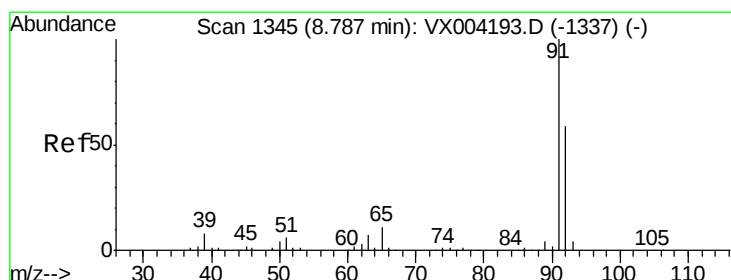
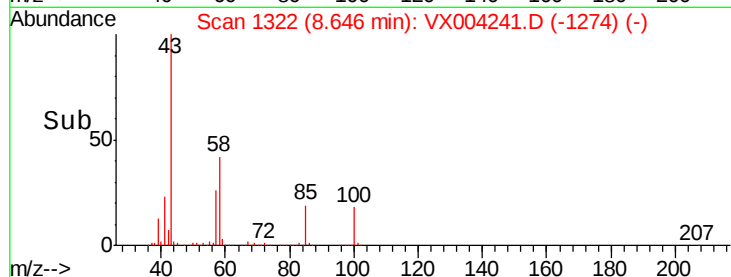
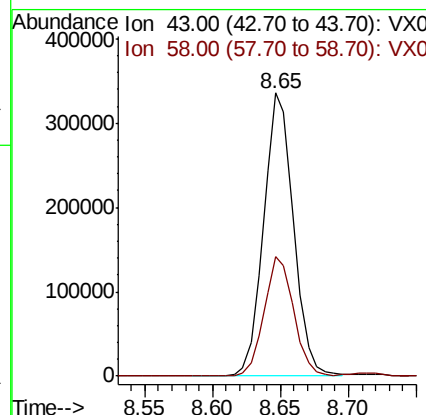
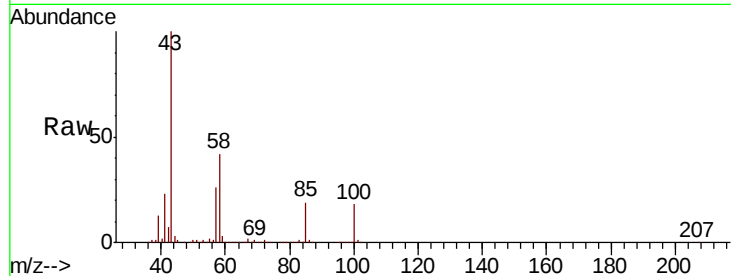
#51
4-Methyl-2-Pentanone
Concen: 85.628 ug/l
RT: 8.65 min Scan# 1322
Delta R.T. -0.01 min
Lab File: VX004241.D
Acq: 24 Aug 2018 12:43

Instrument :
MSVOA_X
ClientSampleId :
VX0824WBS01

Tgt Ion: 43 Resp: 517300
Ion Ratio Lower Upper
43 100
58 41.8 33.1 49.7

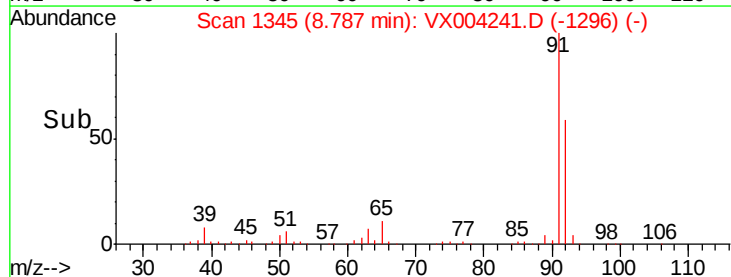
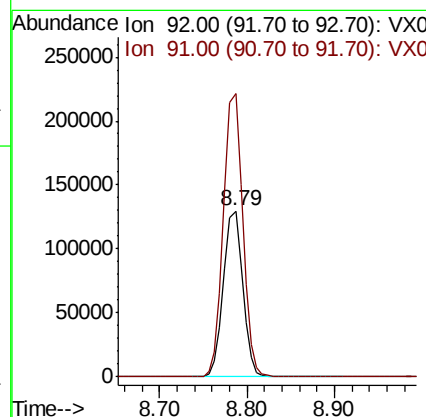
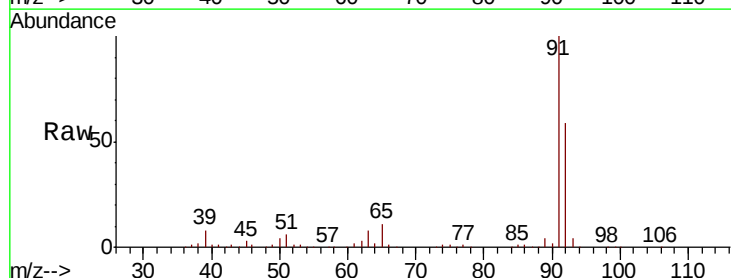
Manual Integrations
APPROVED

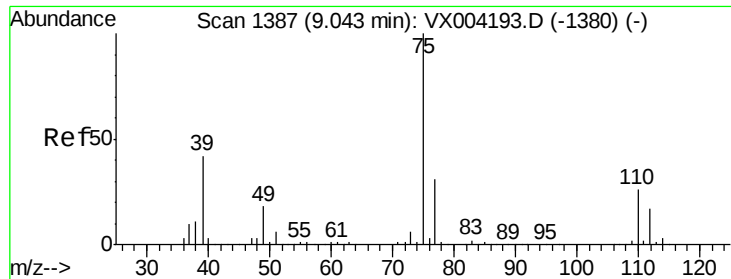
MMDadoda
8/25/2018 11:42:41 AM



#52
Toluene
Concen: 19.410 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VX004241.D
Acq: 24 Aug 2018 12:43

Tgt Ion: 92 Resp: 199750
Ion Ratio Lower Upper
92 100
91 170.9 136.4 204.6





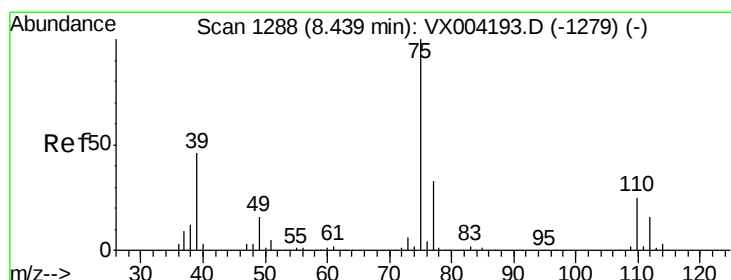
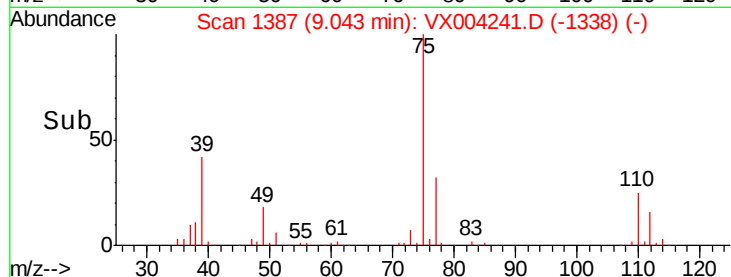
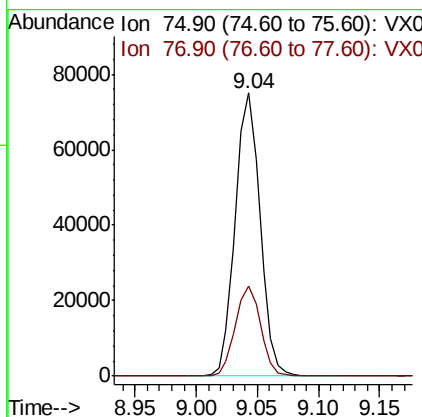
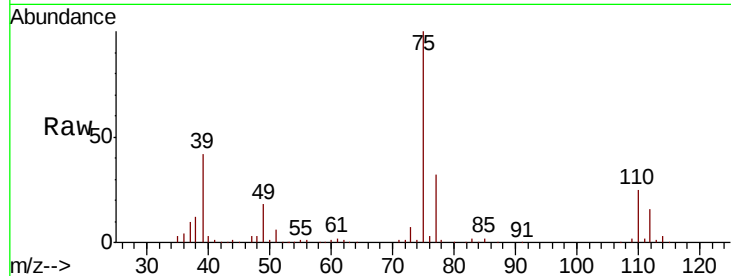
#53
t-1,3-Dichloropropene
Concen: 18.769 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.00 min
Lab File: VX004241.D
Acq: 24 Aug 2018 12:43

Instrument :
MSVOA_X
ClientSampleId :
VX0824WBS01

Tgt Ion: 75 Resp: 105683
Ion Ratio Lower Upper
75 100
77 31.7 24.6 37.0

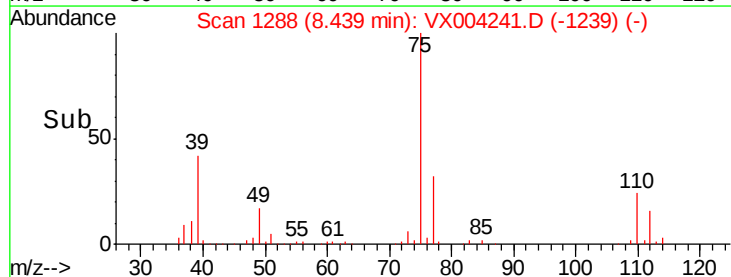
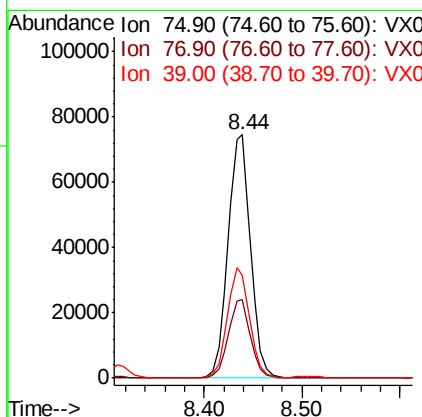
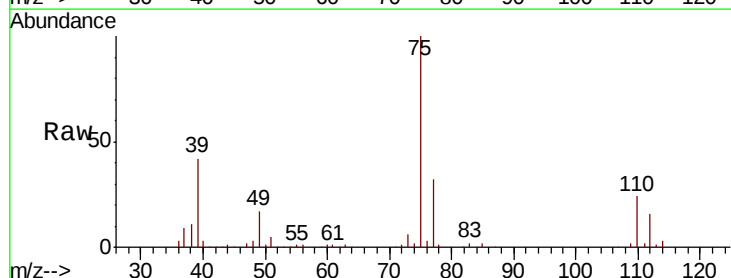
Manual Integrations
APPROVED

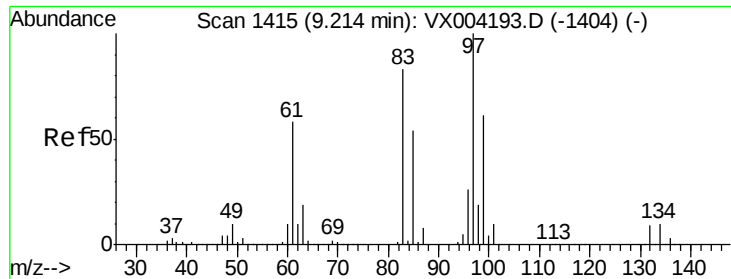
MMDadoda
8/25/2018 11:42:41 AM



#54
cis-1,3-Dichloropropene
Concen: 19.372 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX004241.D
Acq: 24 Aug 2018 12:43

Tgt Ion: 75 Resp: 118815
Ion Ratio Lower Upper
75 100
77 32.0 26.2 39.2
39 42.1 36.4 54.6





#55

1,1,2-Trichloroethane

Concen: 18.990 ug/l

RT: 9.21 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

Instrument :

MSVOA_X

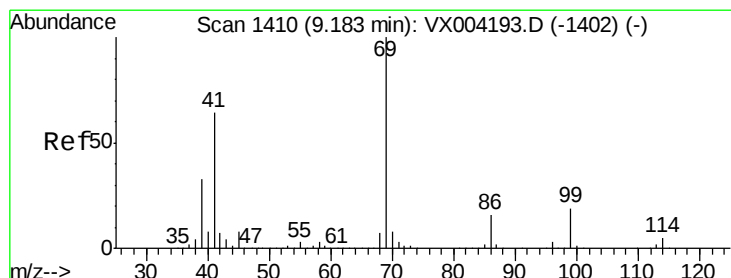
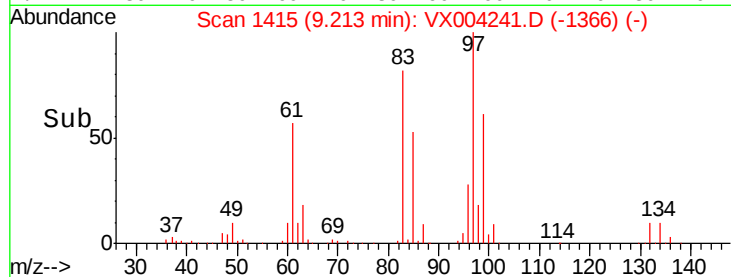
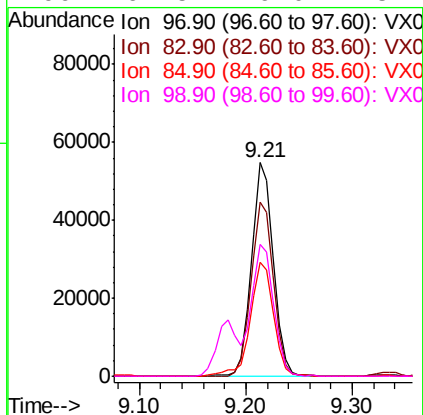
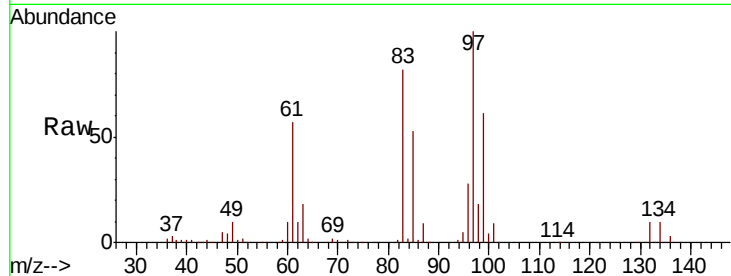
ClientSampleId :

VX0824WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	78890		
83	81.6	66.4	99.6	
85	53.4	43.3	64.9	
99	61.5	49.0	73.4	

Manual Integrations
APPROVED

MMDadoda
8/25/2018 11:42:41 AM



#56

Ethyl methacrylate

Concen: 19.155 ug/l

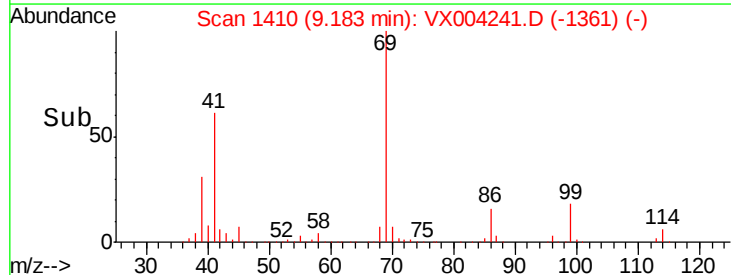
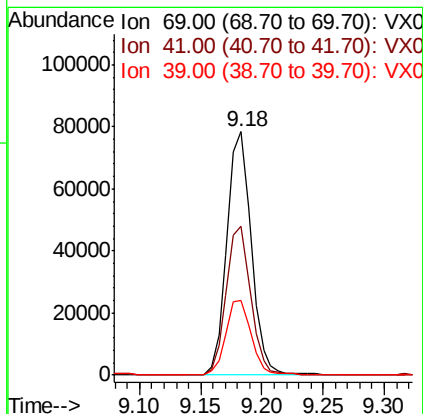
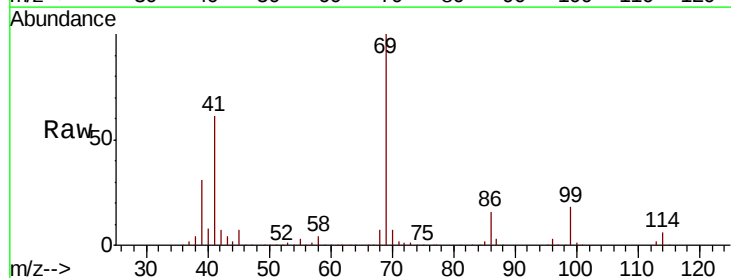
RT: 9.18 min Scan# 1410

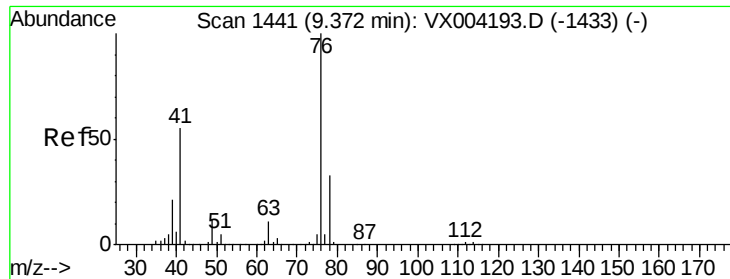
Delta R.T. -0.00 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	108326		
41	61.5	51.0	76.4	
39	31.7	26.1	39.1	





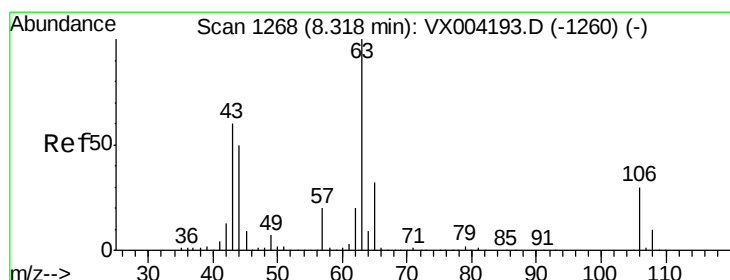
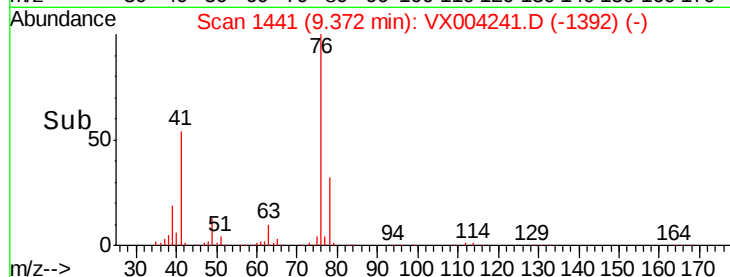
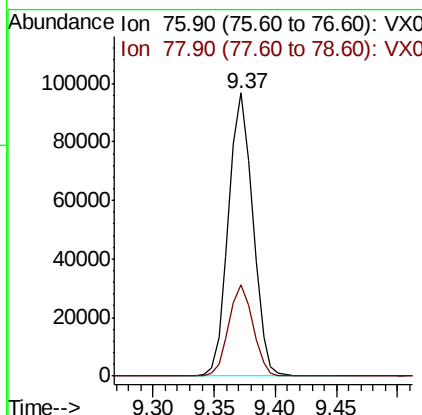
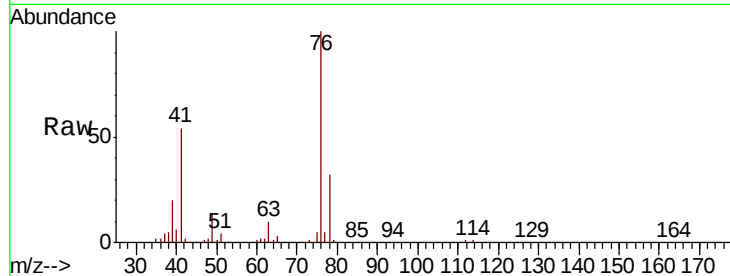
#57
 1,3-Dichloropropane
 Concen: 19.089 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VX004241.D
 Acq: 24 Aug 2018 12:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0824WBS01

Tgt Ion: 76 Resp: 133671
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.5 38.3

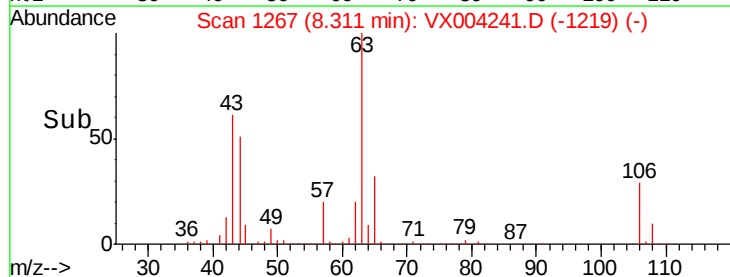
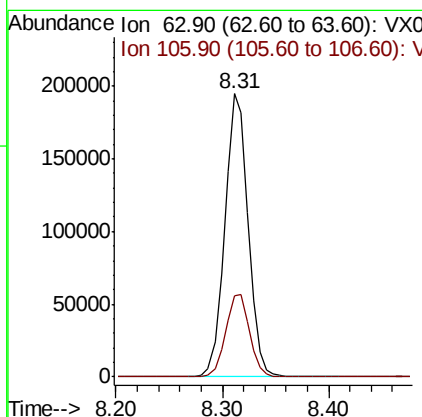
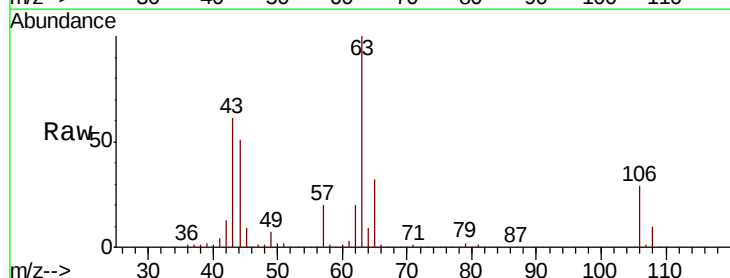
Manual Integrations
 APPROVED

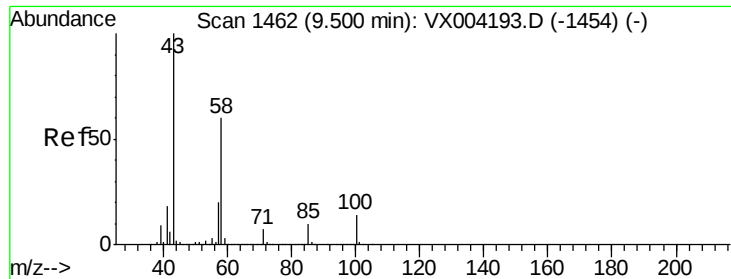
MMDadoda
 8/25/2018 11:42:41 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.500 ug/l
 RT: 8.31 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: VX004241.D
 Acq: 24 Aug 2018 12:43

Tgt Ion: 63 Resp: 297013
 Ion Ratio Lower Upper
 63 100
 106 30.0 23.9 35.9





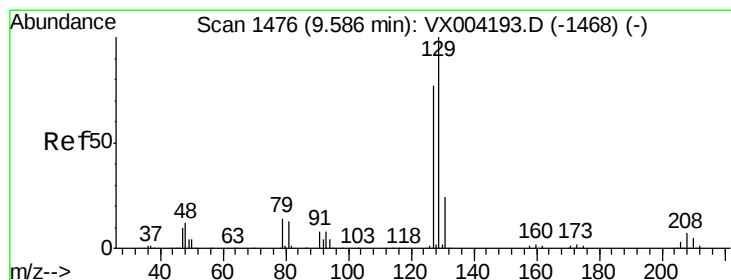
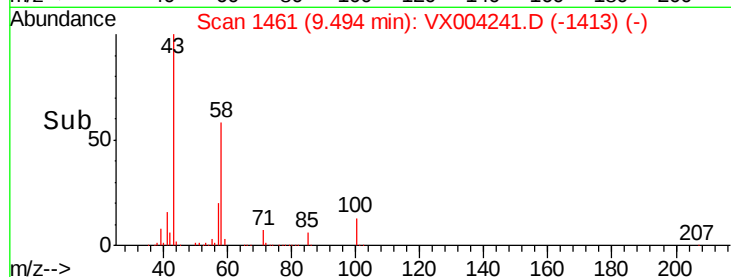
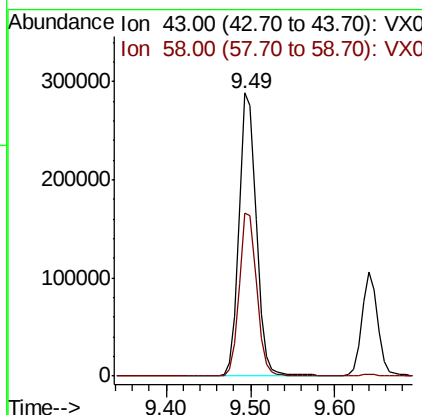
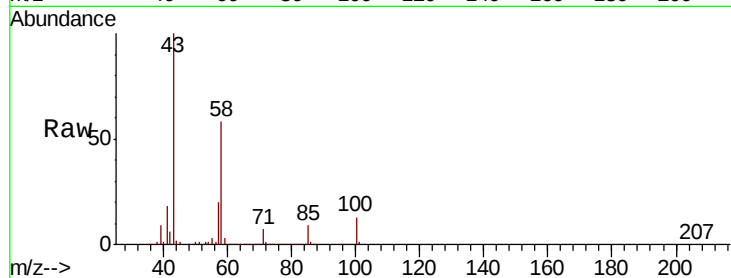
#59
2-Hexanone
Concen: 85.754 ug/l
RT: 9.49 min Scan# 1461
Delta R.T. -0.01 min
Lab File: VX004241.D
Acq: 24 Aug 2018 12:43

Instrument :
MSVOA_X
ClientSampleId :
VX0824WBS01

Tgt Ion: 43 Resp: 395234
Ion Ratio Lower Upper
43 100
58 58.2 29.0 87.0

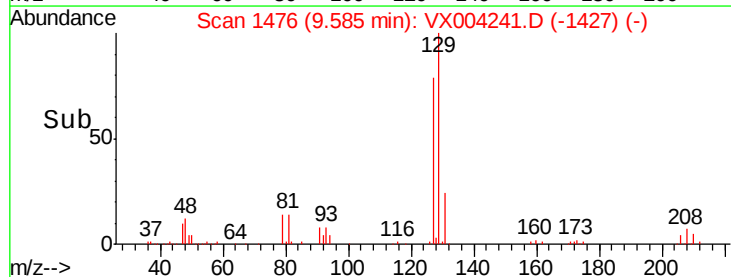
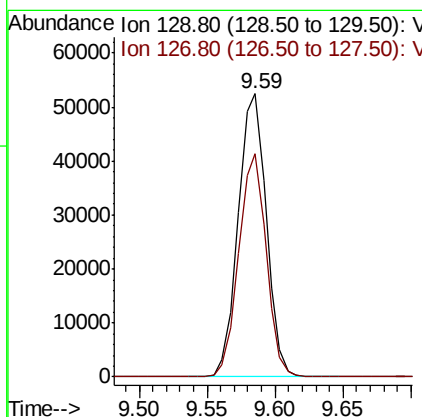
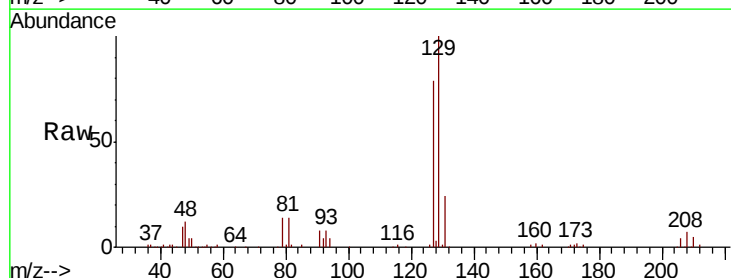
Manual Integrations
APPROVED

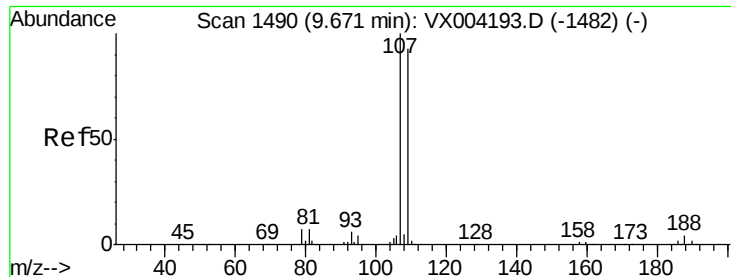
MMDadoda
8/25/2018 11:42:41 AM



#60
Dibromochloromethane
Concen: 18.721 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX004241.D
Acq: 24 Aug 2018 12:43

Tgt Ion: 129 Resp: 75773
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.5





#61

1,2-Dibromoethane

Concen: 18.935 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. -0.00 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

Instrument :

MSVOA_X

ClientSampleId :

VX0824WBS01

Tgt Ion: 107 Resp: 81403

Ion Ratio Lower Upper

107 100

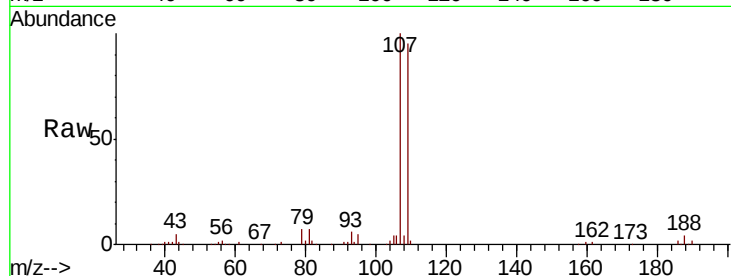
109 95.5 76.0 114.0

Manual Integrations

APPROVED

MMDadoda

8/25/2018 11:42:41 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

60000

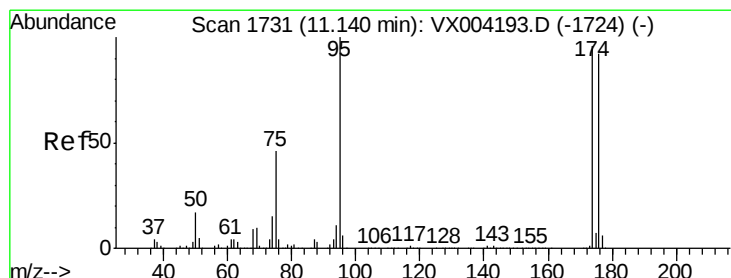
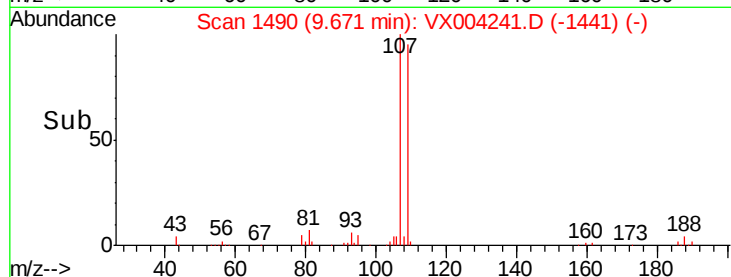
40000

20000

0

9.60 9.65 9.70 9.75

Time-->



#62

4-Bromofluorobenzene

Concen: 47.219 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

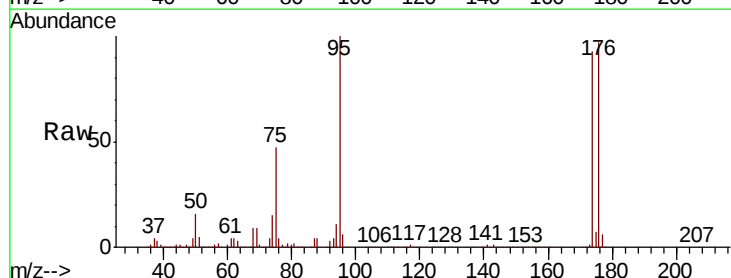
Tgt Ion: 95 Resp: 242131

Ion Ratio Lower Upper

95 100

174 91.1 0.0 185.2

176 91.9 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

150000

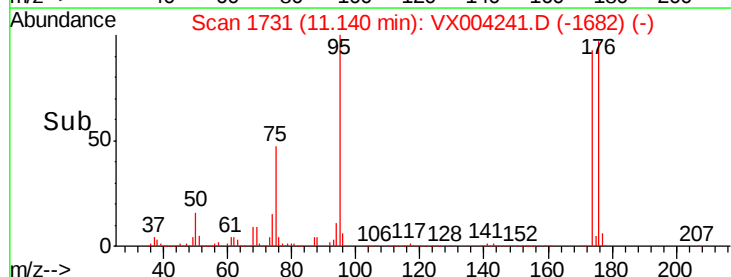
100000

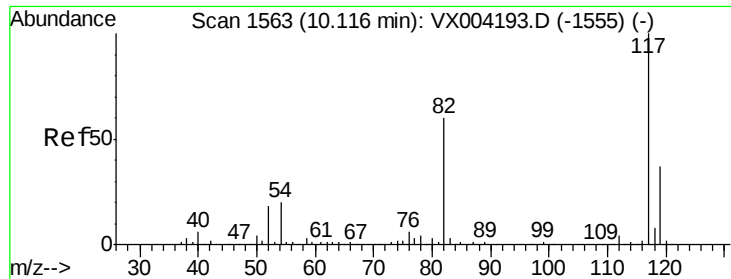
50000

0

11.10 11.20

Time-->





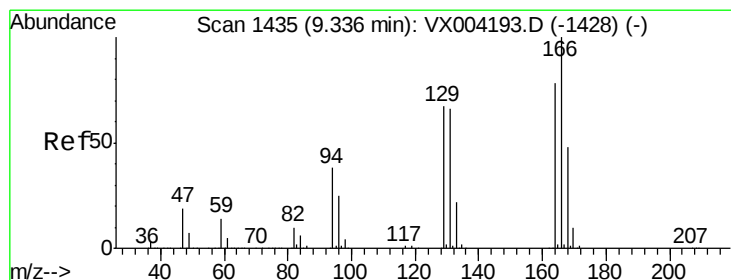
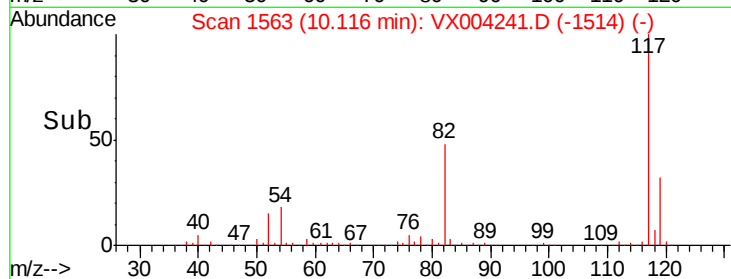
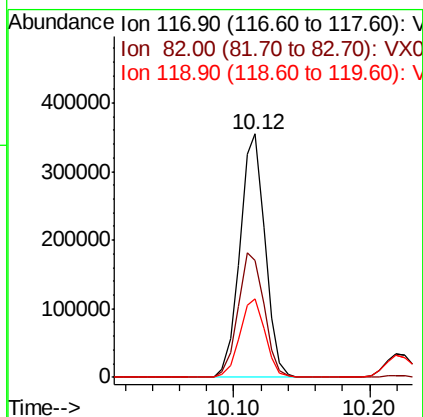
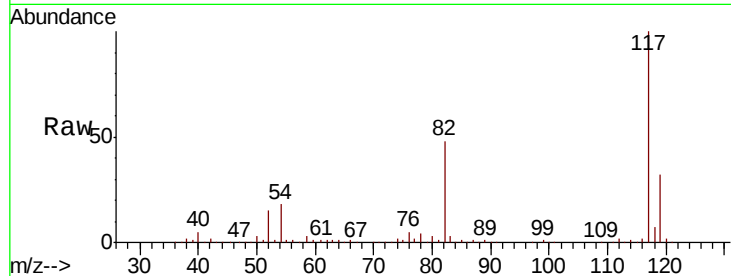
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004241.D
Acq: 24 Aug 2018 12:43

Instrument :
MSVOA_X
ClientSampleId :
VX0824WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	457072		
82	47.9	47.8	71.6	
119	32.0	29.3	43.9	

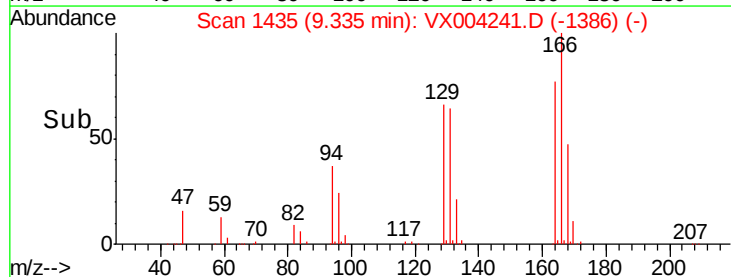
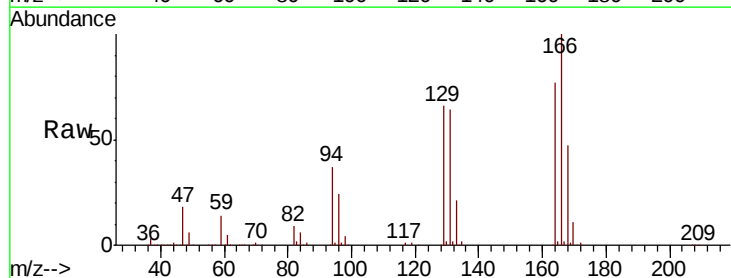
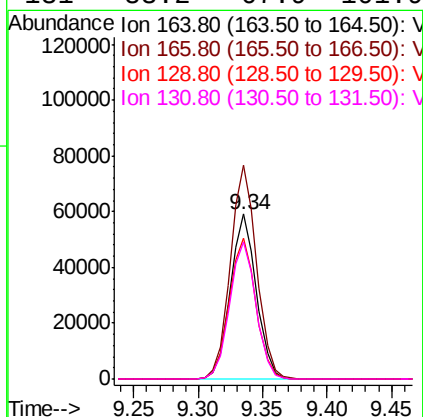
Manual Integrations
APPROVED

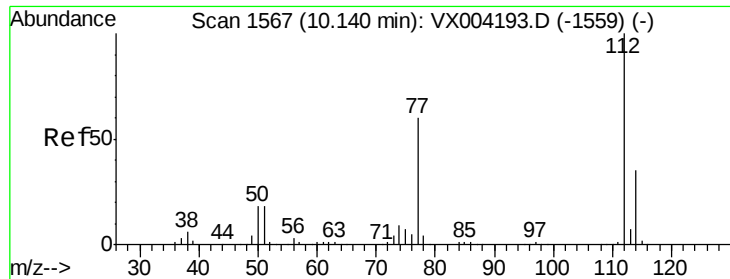
MMDadoda
8/25/2018 11:42:41 AM



#64
Tetrachloroethene
Concen: 18.440 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004241.D
Acq: 24 Aug 2018 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	83260		
166	129.6	102.8	154.2	
129	85.3	69.4	104.0	
131	83.2	67.9	101.9	





#65

Chlorobenzene

Concen: 18.986 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

Instrument :

MSVOA_X

ClientSampled :

VX0824WBS01

Tgt Ion:112 Resp: 217791

Ion Ratio Lower Upper

112 100

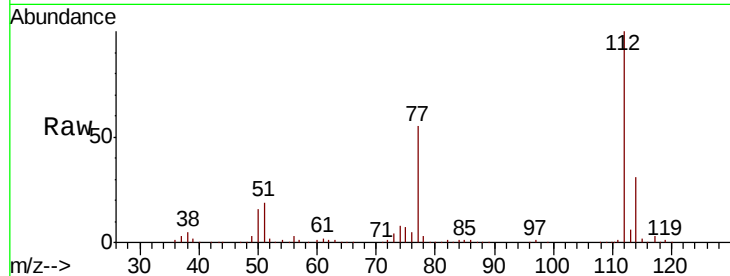
114 31.3 27.8 41.8

Manual Integrations

APPROVED

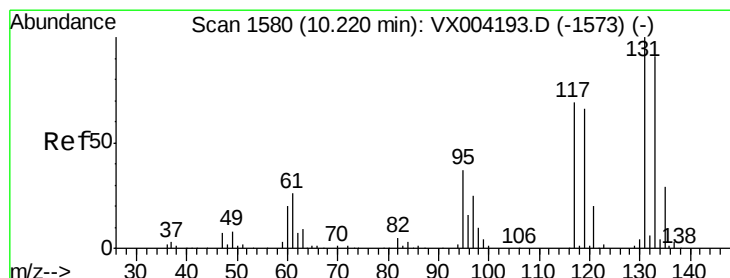
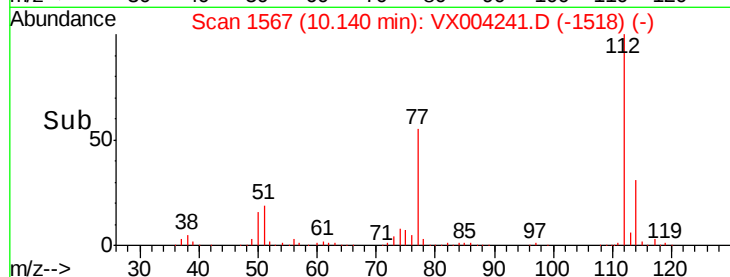
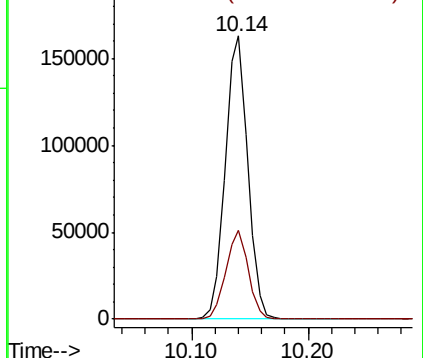
MMDadoda

8/25/2018 11:42:41 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 17.825 ug/l

RT: 10.22 min Scan# 1580

Delta R.T. -0.00 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

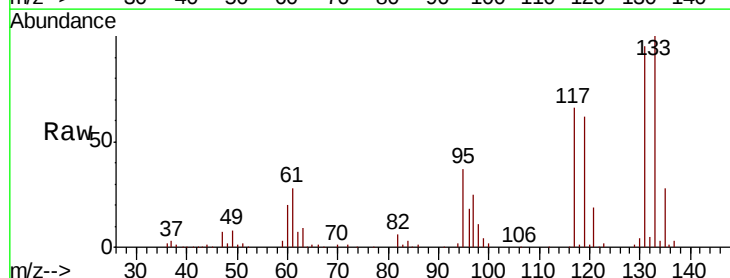
Tgt Ion:131 Resp: 70527

Ion Ratio Lower Upper

131 100

133 94.7 48.1 144.4

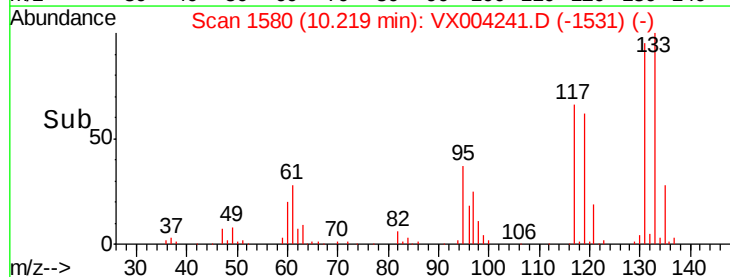
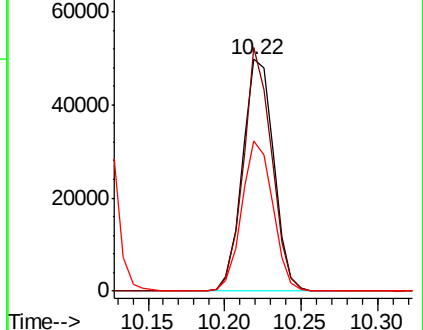
119 64.4 32.9 98.6

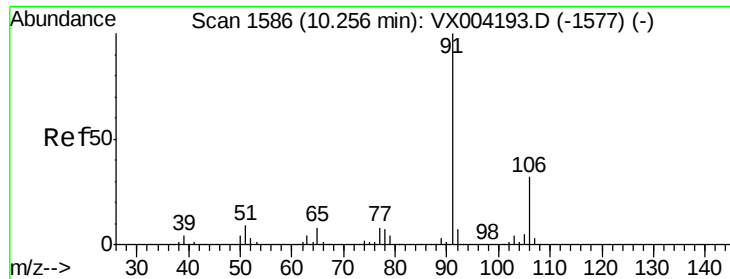


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





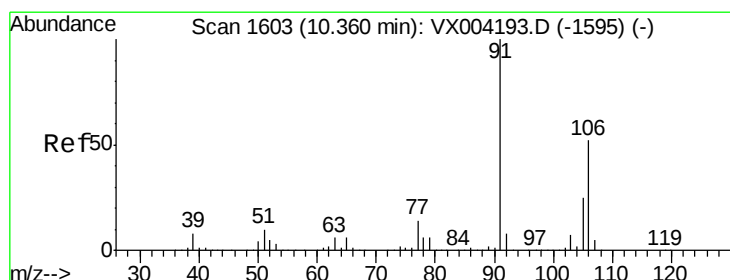
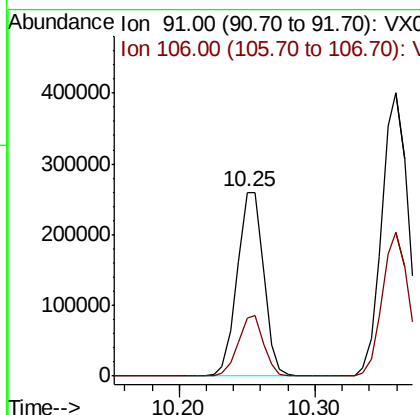
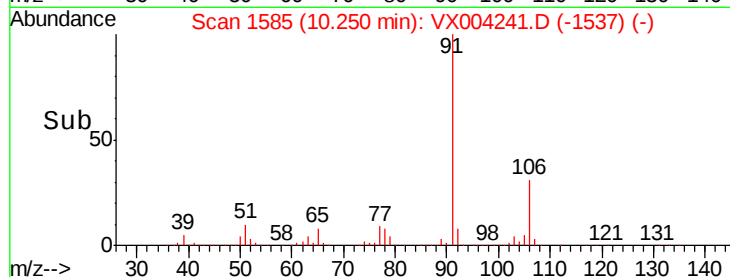
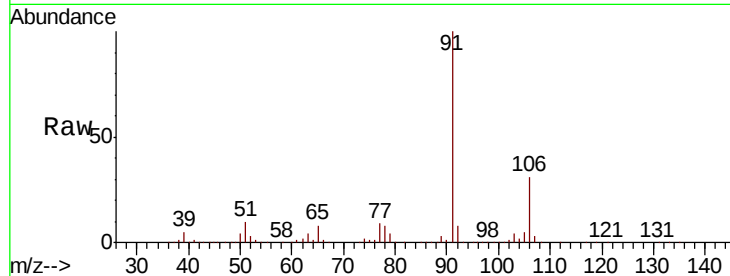
#67
Ethyl Benzene
Concen: 18.943 ug/l
RT: 10.25 min Scan# 1585
Delta R.T. -0.01 min
Lab File: VX004241.D
Acq: 24 Aug 2018 12:43

Instrument :
MSVOA_X
ClientSampleId :
VX0824WBS01

Tgt Ion: 91 Resp: 352913
Ion Ratio Lower Upper
91 100
106 31.4 25.9 38.9

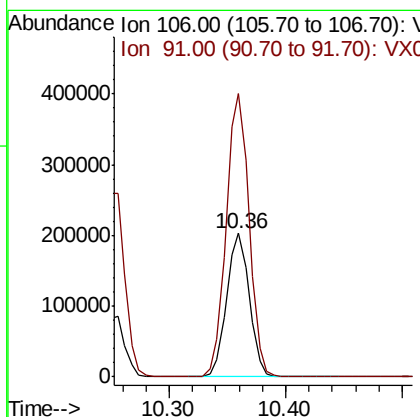
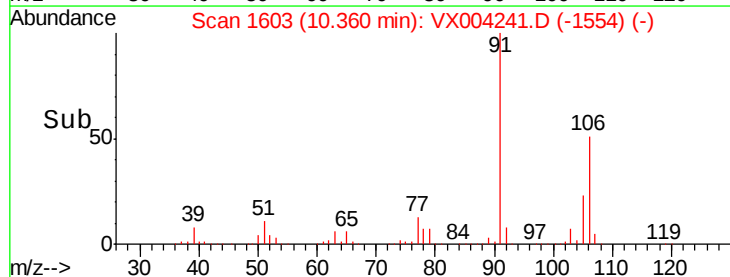
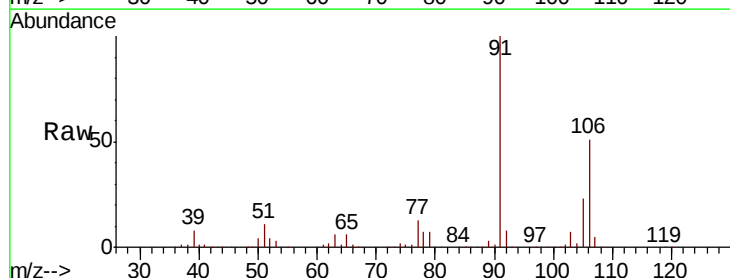
Manual Integrations
APPROVED

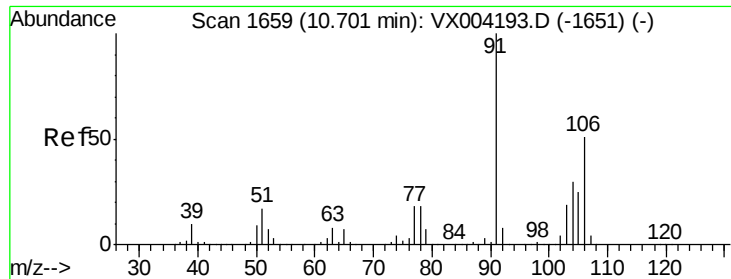
MMDadoda
8/25/2018 11:42:41 AM



#68
m/p-Xylenes
Concen: 37.565 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX004241.D
Acq: 24 Aug 2018 12:43

Tgt Ion: 106 Resp: 273643
Ion Ratio Lower Upper
106 100
91 199.0 157.1 235.7





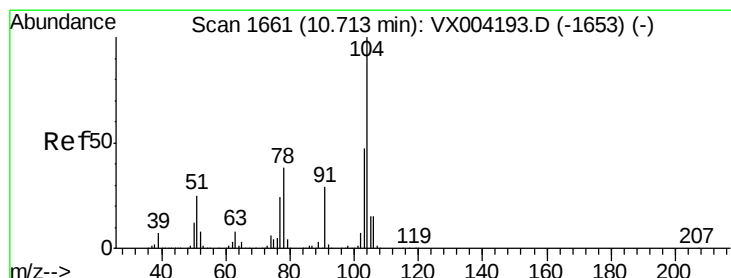
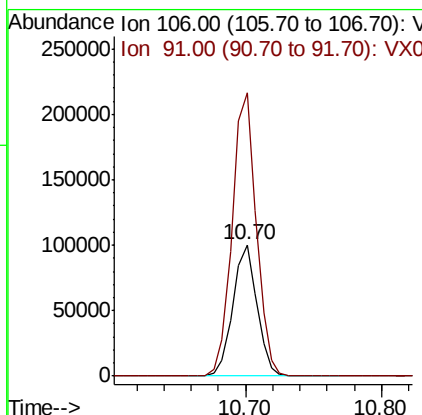
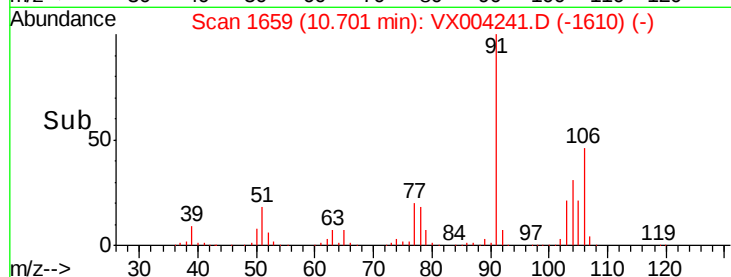
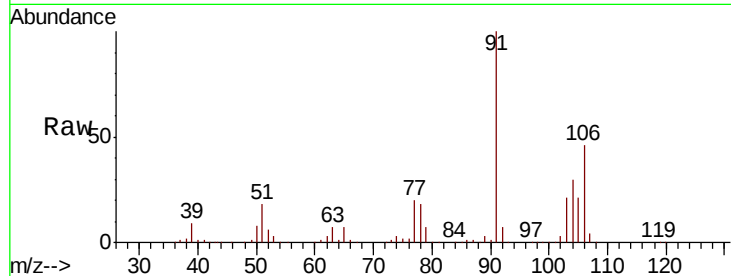
#69
o-Xylene
Concen: 17.975 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004241.D
Acq: 24 Aug 2018 12:43

Instrument :
MSVOA_X
ClientSampleId :
VX0824WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
106	100	123859		
91	216.4	105.1	315.1	

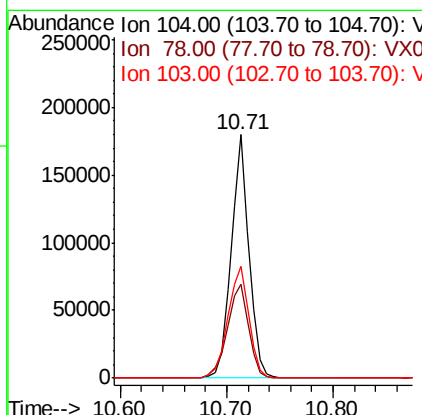
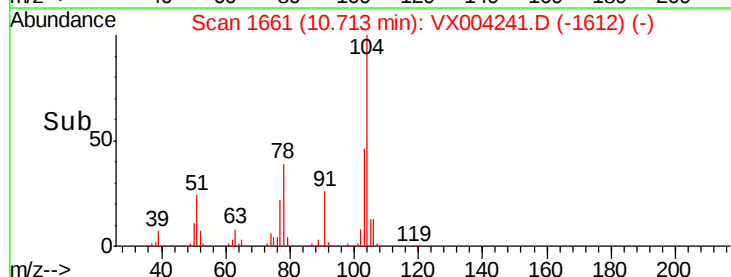
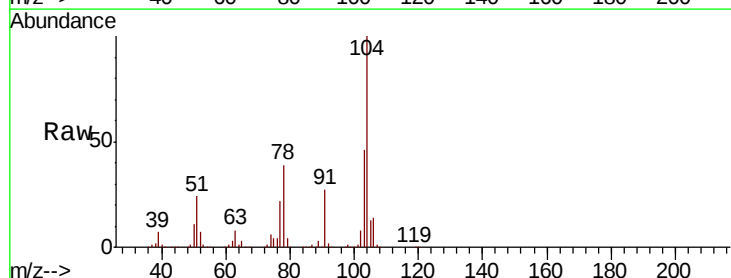
Manual Integrations
APPROVED

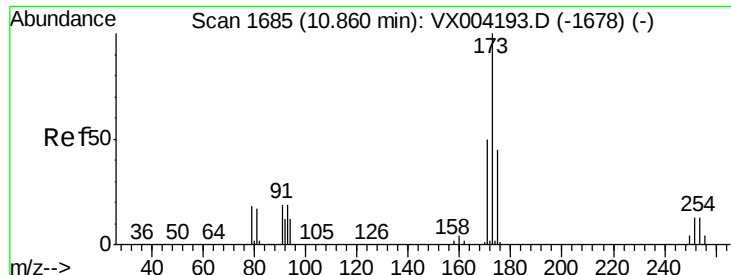
MMDadoda
8/25/2018 11:42:41 AM



#70
Styrene
Concen: 18.905 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004241.D
Acq: 24 Aug 2018 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	210926		
78	46.5	37.4	56.0	
103	54.2	43.8	65.6	





#71

Bromoform

Concen: 16.974 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

Instrument :

MSVOA_X

ClientSampleId :

VX0824WBS01

Tgt Ion:173 Resp: 54136

Ion Ratio Lower Upper

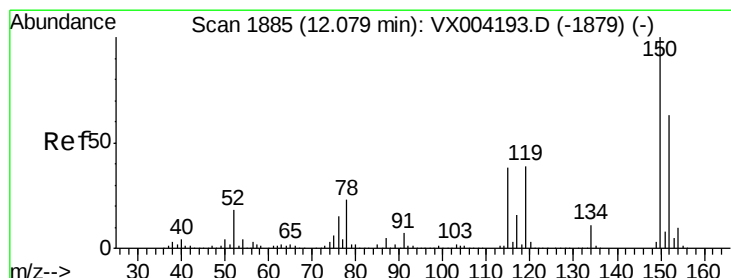
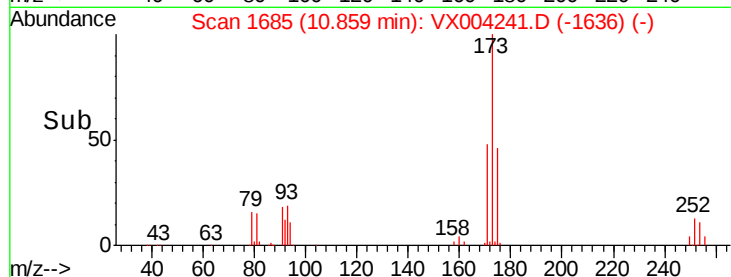
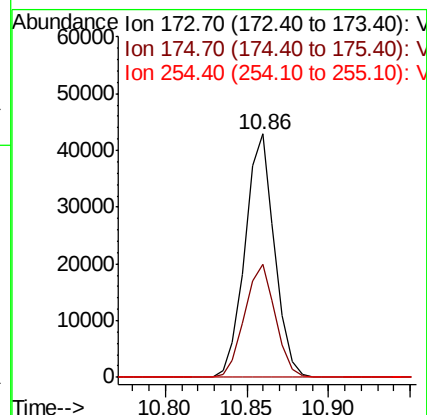
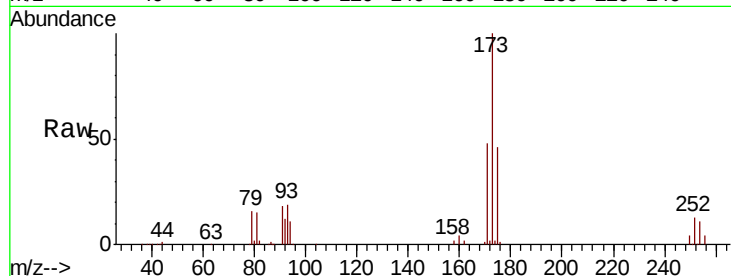
173 100

175 48.1 24.1 72.3

254 0.0 0.2 0.2#

Manual Integrations
APPROVED

MMDadoda
8/25/2018 11:42:41 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

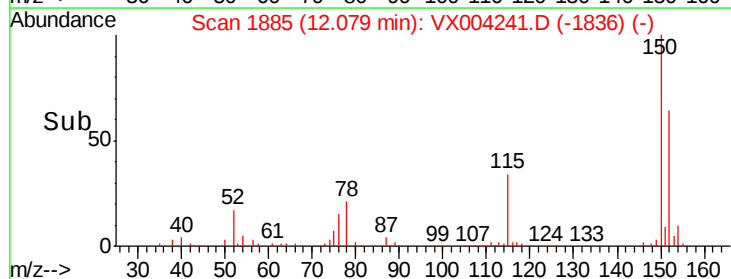
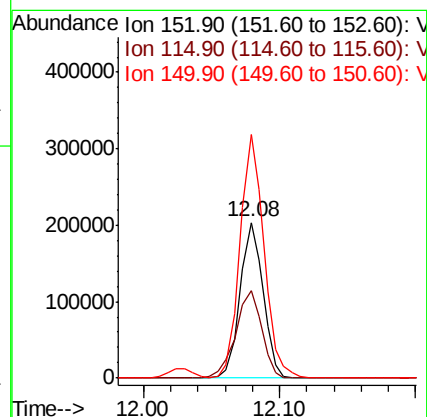
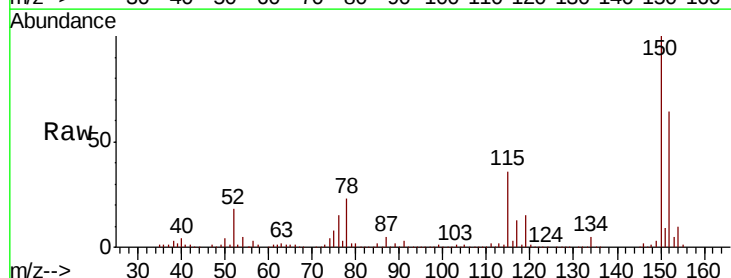
Tgt Ion:152 Resp: 238777

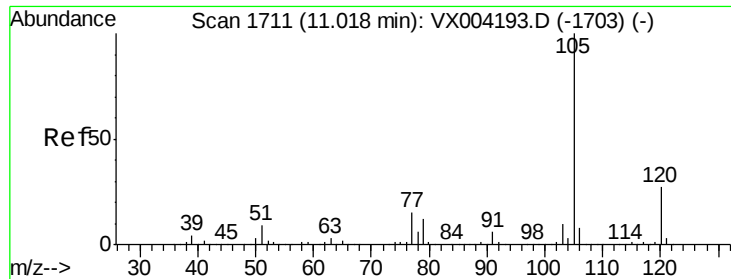
Ion Ratio Lower Upper

152 100

115 63.6 39.0 117.0

150 163.7 0.0 351.0





#73

Isopropylbenzene

Concen: 23.055 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

Instrument :

MSVOA_X

ClientSampleId :

VX0824WBS01

Tgt Ion: 105 Resp: 361556

Ion Ratio Lower Upper

105 100

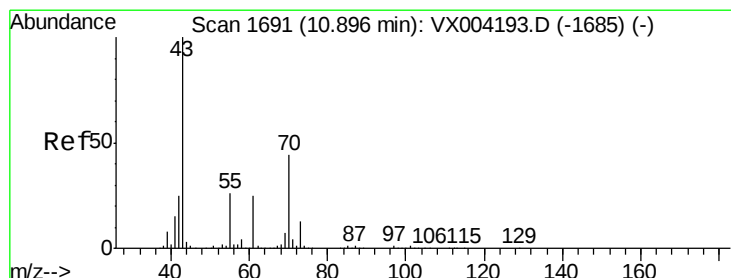
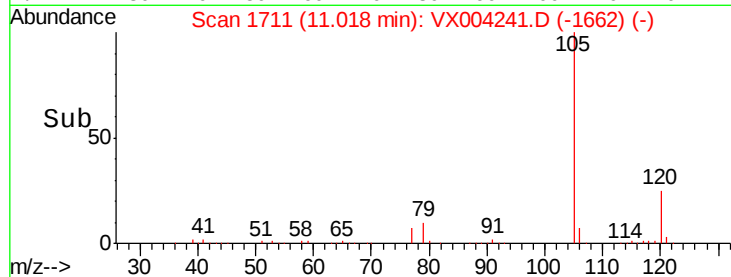
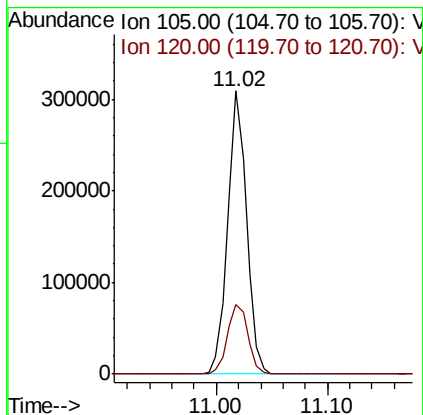
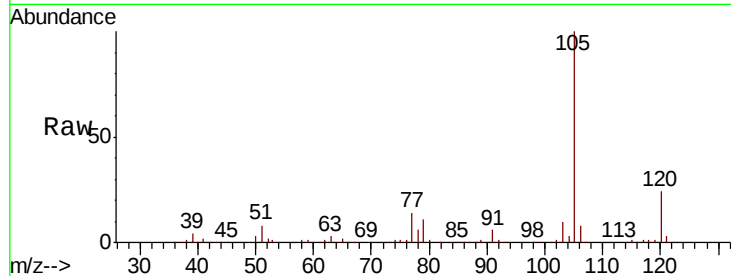
120 26.7 13.5 40.4

Manual Integrations

APPROVED

MMDadoda

8/25/2018 11:42:41 AM



#74

N-ethyl acetate

Concen: 20.492 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. 0.01 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

Tgt Ion: 43 Resp: 123738

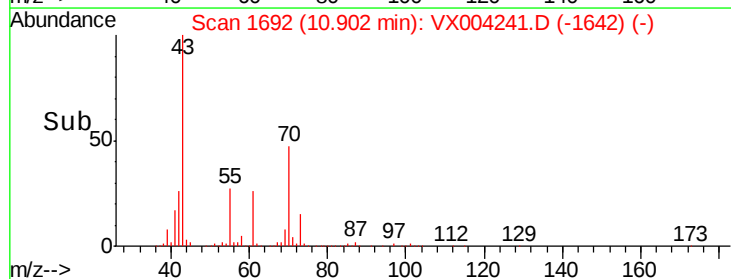
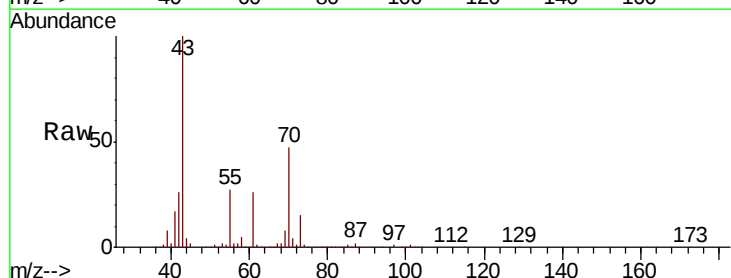
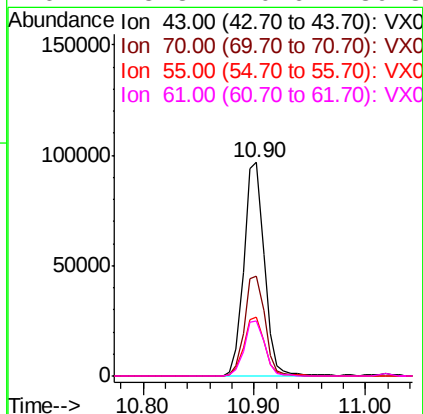
Ion Ratio Lower Upper

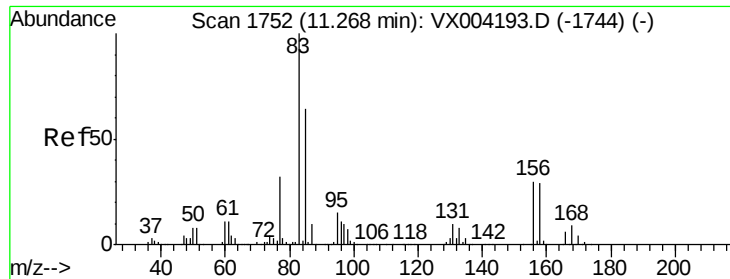
43 100

70 47.0 37.4 56.0

55 27.8 21.8 32.8

61 25.8 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.793 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

Instrument :

MSVOA_X

ClientSampleId :

VX0824WBS01

Tgt Ion: 83 Resp: 114112

Ion Ratio Lower Upper

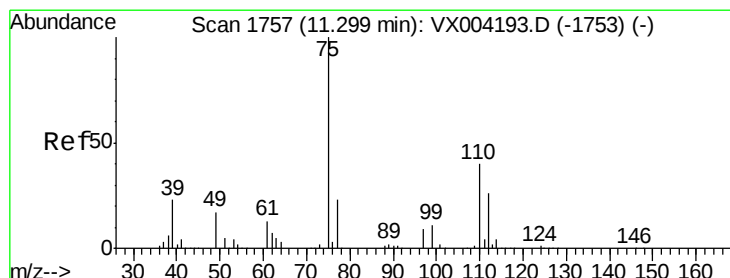
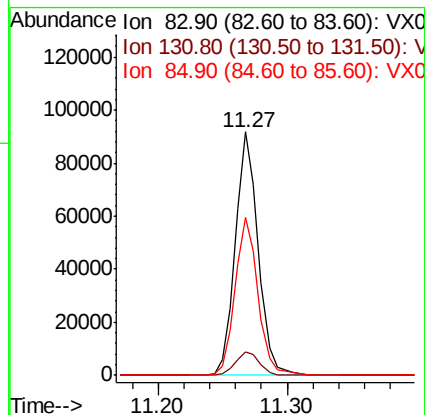
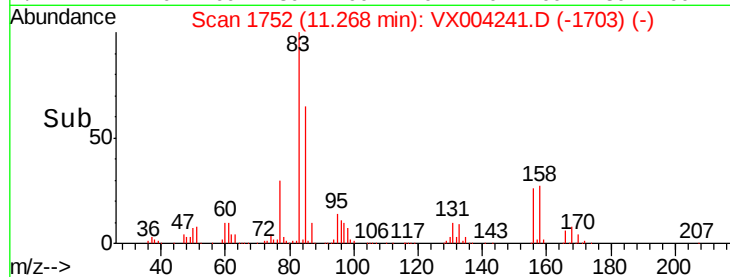
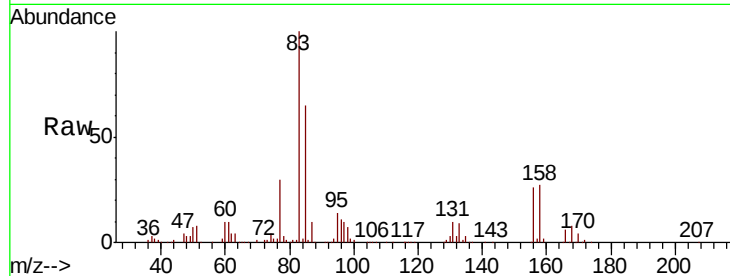
83 100

131 10.3 5.2 15.6

85 65.3 32.3 96.8

Manual Integrations
APPROVED

MMDadoda
8/25/2018 11:42:41 AM



#76

1,2,3-Trichloropropane

Concen: 21.012 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX004241.D

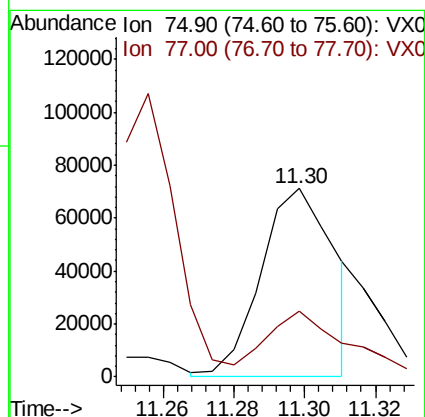
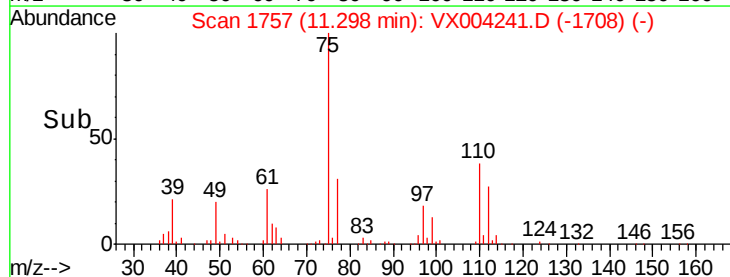
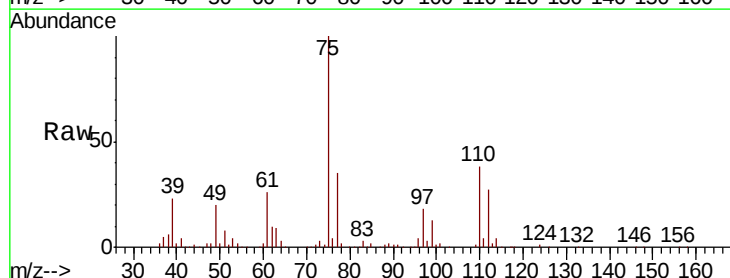
Acq: 24 Aug 2018 12:43

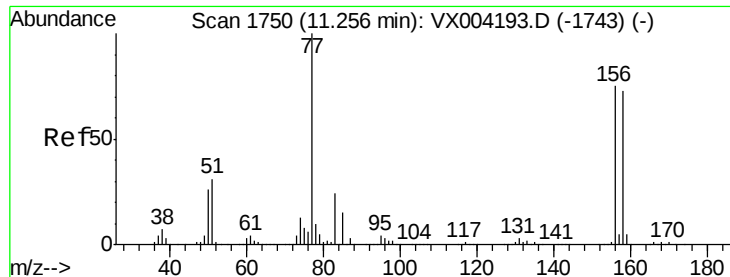
Tgt Ion: 75 Resp: 102041

Ion Ratio Lower Upper

75 100

77 38.6 20.2 60.6





#77

Bromobenzene

Concen: 21.465 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

Instrument :

MSVOA_X

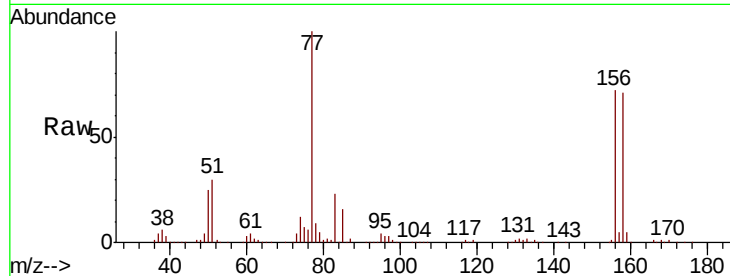
ClientSampleId :

VX0824WBS01

Tgt Ion:	156	Resp:	94427
Ion Ratio	Lower	Upper	
156	100		
77	144.6	71.5	214.3
158	98.9	48.9	146.8

Manual Integrations
APPROVED

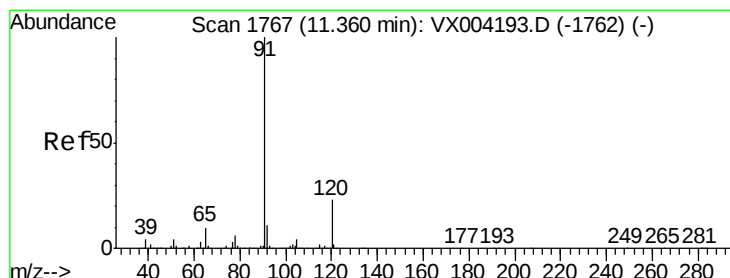
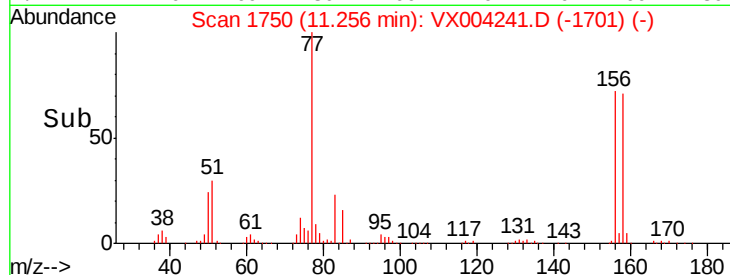
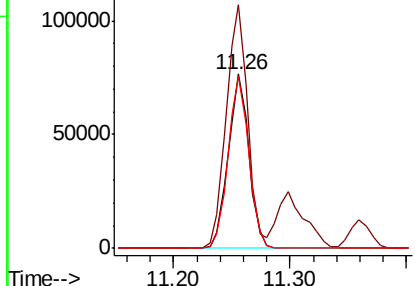
MMDadoda
8/25/2018 11:42:41 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.320 ug/l

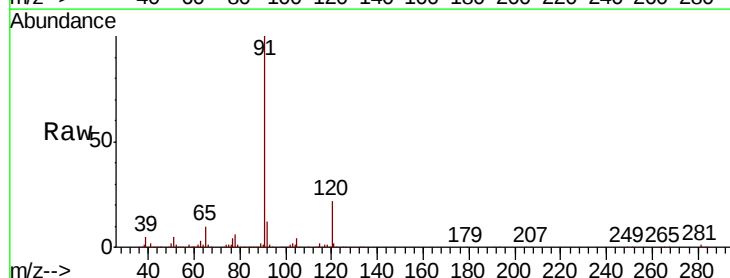
RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004241.D

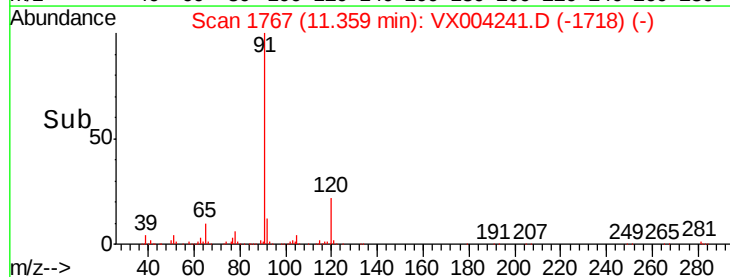
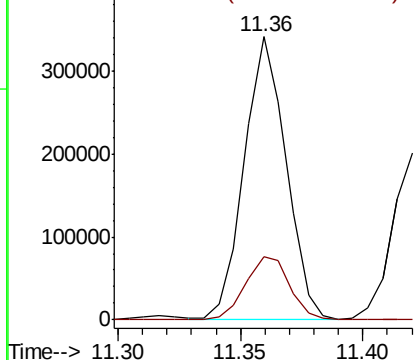
Acq: 24 Aug 2018 12:43

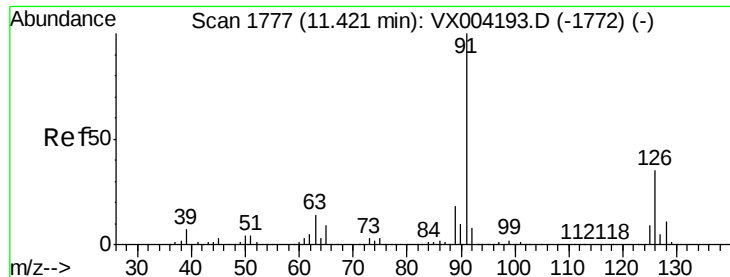
Tgt Ion:	91	Resp:	402589
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.9	35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.407 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX004241.D

Acq: 24 Aug 2018 12:43

Instrument :

MSVOA_X

ClientSampleId :

VX0824WBS01

Tgt Ion: 91 Resp: 248760

Ion Ratio Lower Upper

91 100

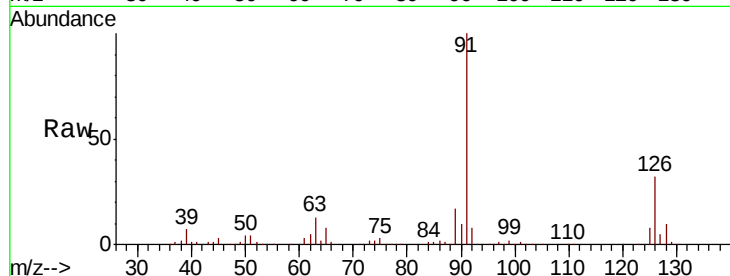
126 33.1 17.9 53.7

Manual Integrations

APPROVED

MMDadoda

8/25/2018 11:42:41 AM



Abundance Ion 91.00 (90.70 to 91.70): VX004193.D (-1772) (-)

Ion 125.90 (125.60 to 126.60): VX004193.D (-1772) (-)

400000

300000

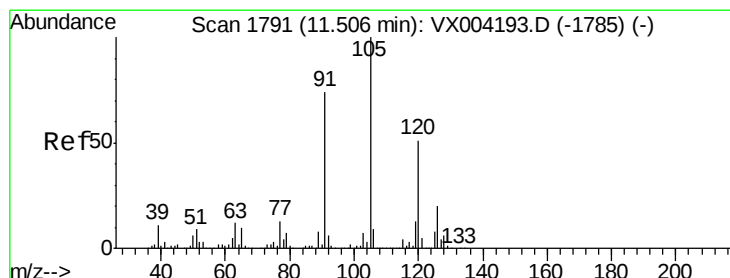
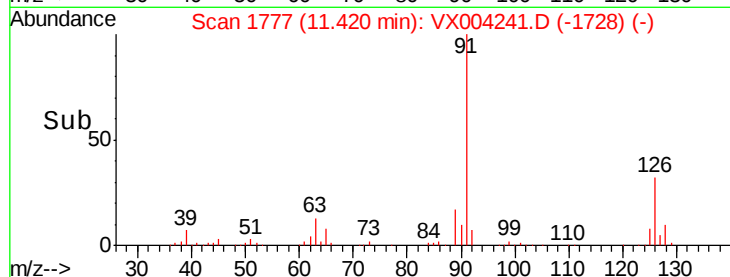
200000

100000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 22.128 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX004241.D

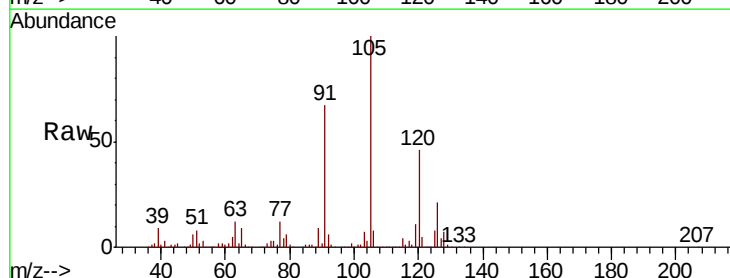
Acq: 24 Aug 2018 12:43

Tgt Ion: 105 Resp: 287383

Ion Ratio Lower Upper

105 100

120 50.0 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VX004193.D (-1785) (-)

Ion 120.00 (119.70 to 120.70): VX004193.D (-1785) (-)

300000

250000

200000

150000

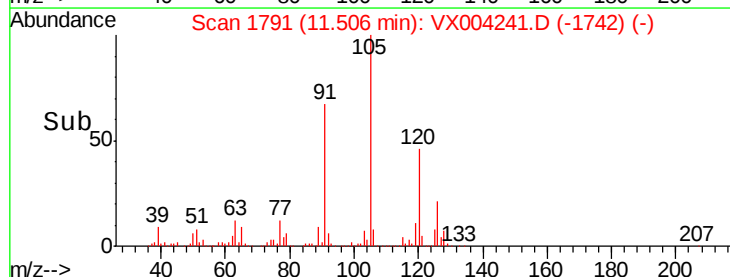
100000

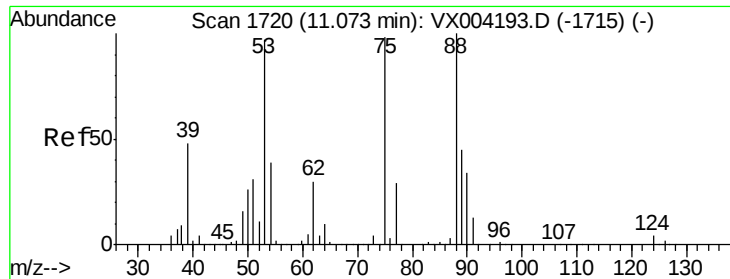
50000

0

11.45 11.50 11.55 11.60

Time-->





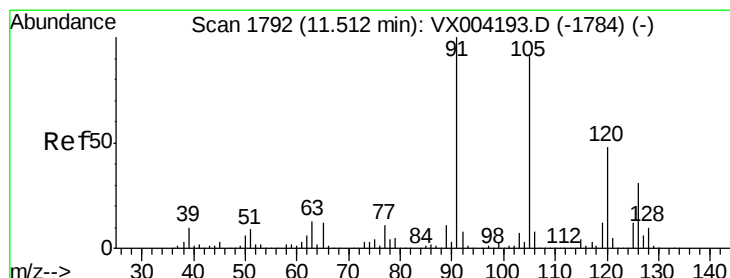
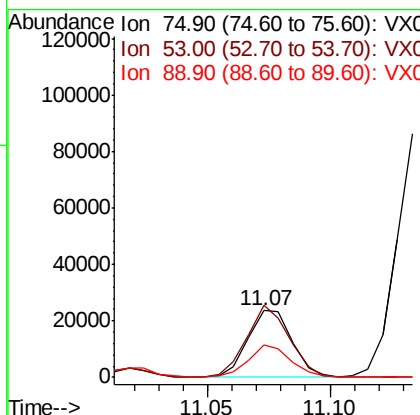
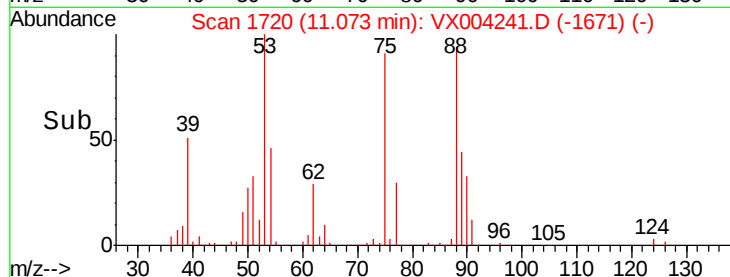
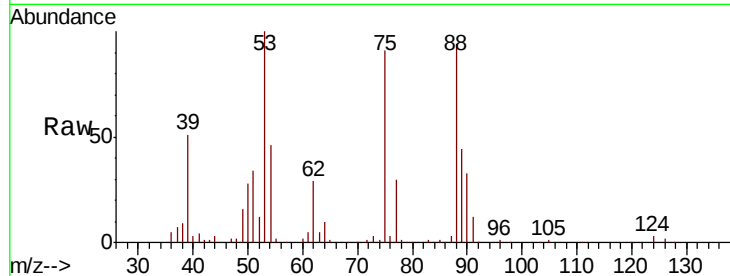
#81
trans-1,4-Dichloro-2-butene
Concen: 19.794 ug/l
RT: 11.07 min Scan# 1720
Delta R.T. -0.00 min
Lab File: VX004241.D
Acq: 24 Aug 2018 12:43

Instrument :
MSVOA_X
ClientSampleId :
VX0824WBS01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	104.9	80.1	120.1
89	47.2	37.2	55.8

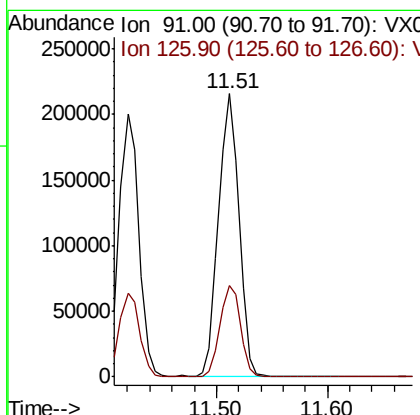
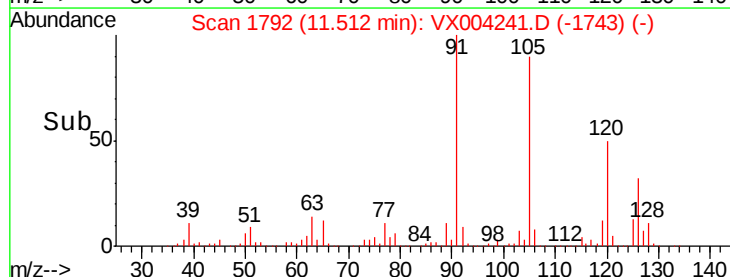
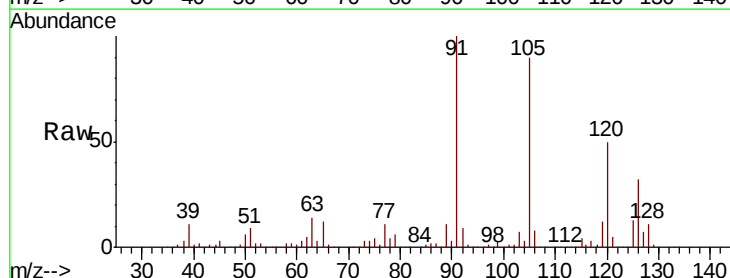
Manual Integrations
APPROVED

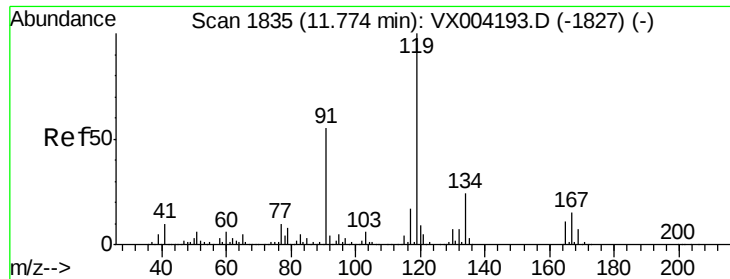
MMDadoda
8/25/2018 11:42:41 AM



#82
4-Chlorotoluene
Concen: 21.222 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004241.D
Acq: 24 Aug 2018 12:43

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.4	15.5	46.5





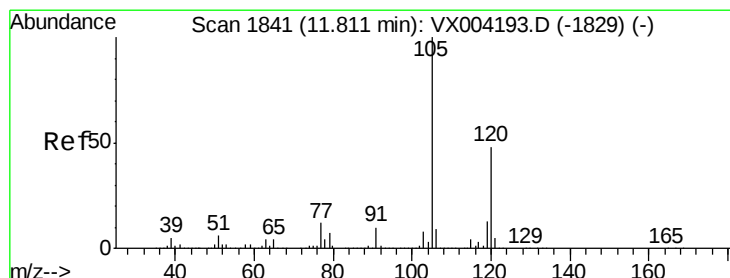
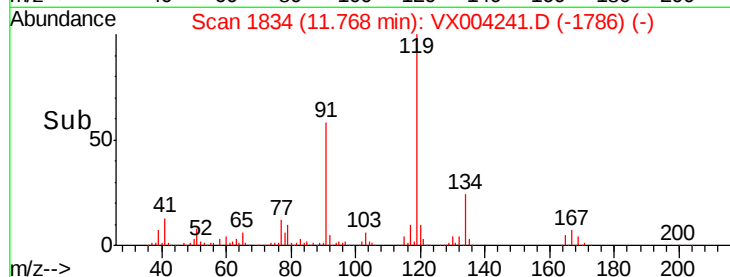
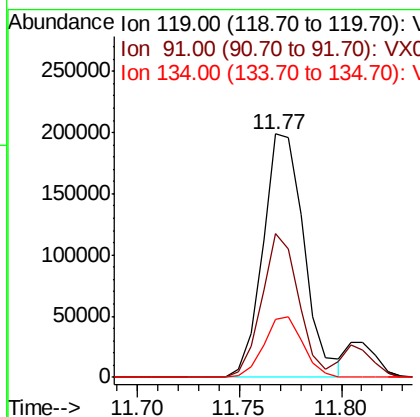
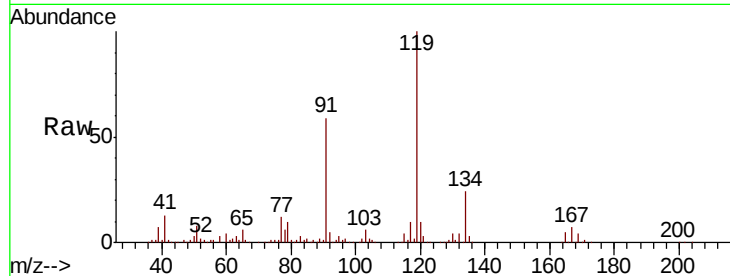
#83
 tert-Butylbenzene
 Concen: 21.405 ug/l
 RT: 11.77 min Scan# 1834
 Delta R.T. -0.01 min
 Lab File: VX004241.D
 Acq: 24 Aug 2018 12:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0824WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	279700		
91	52.8	27.0	81.0	
134	23.8	11.7	35.1	

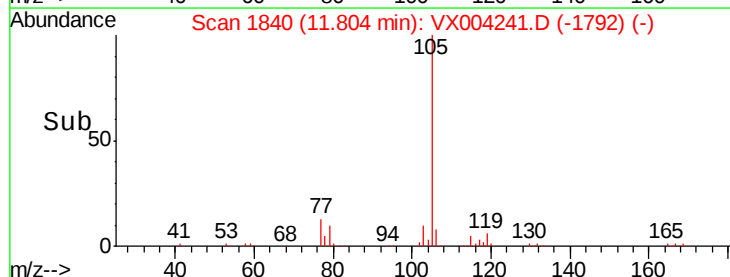
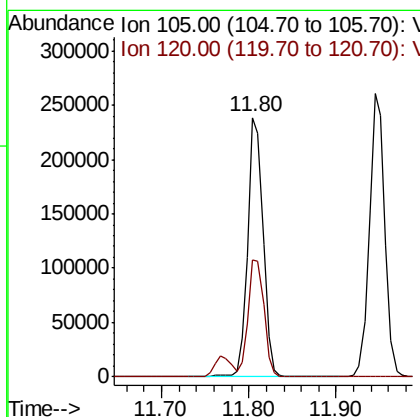
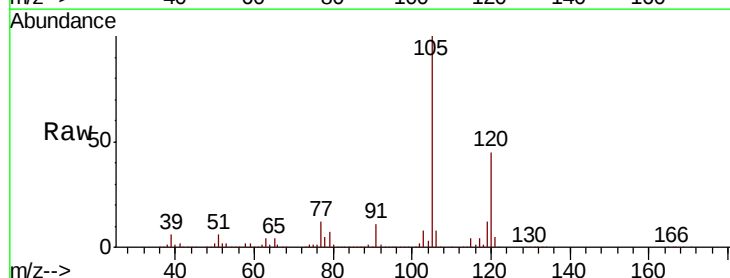
Manual Integrations
 APPROVED

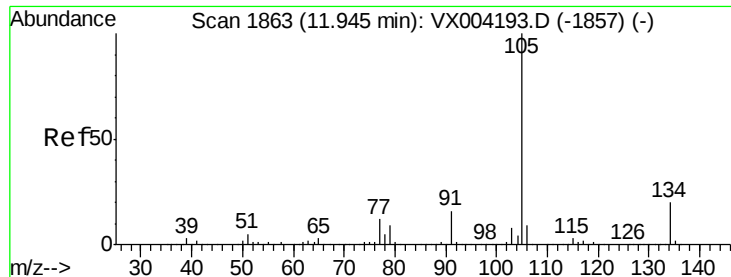
MMDadoda
 8/25/2018 11:42:41 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 21.671 ug/l
 RT: 11.80 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: VX004241.D
 Acq: 24 Aug 2018 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	288897		
120	46.3	23.2	69.6	





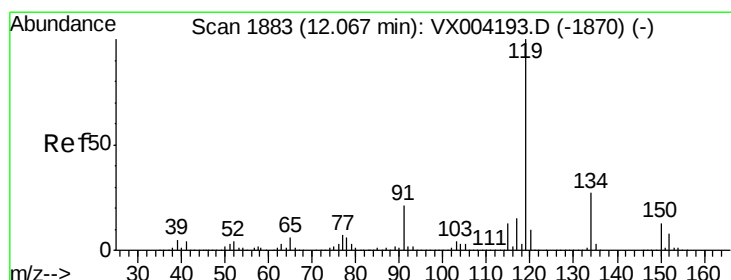
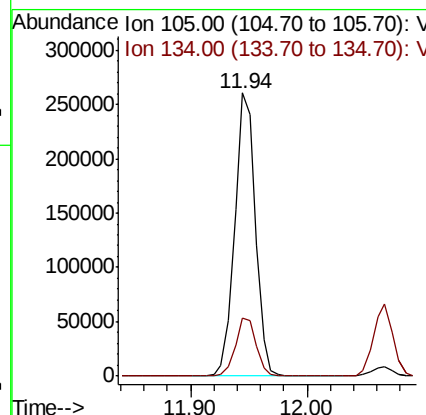
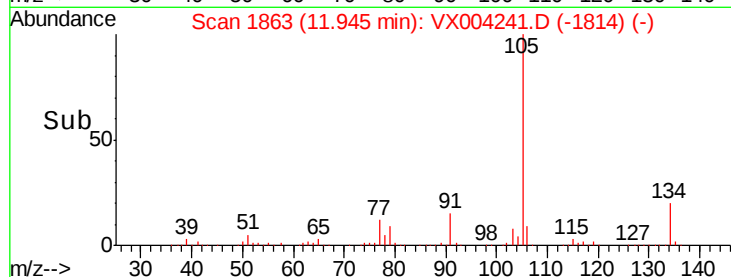
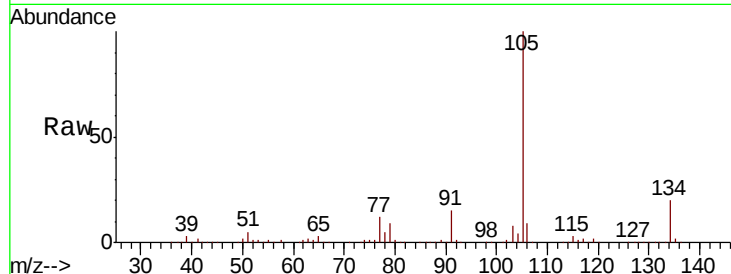
#85
 sec-Butylbenzene
 Concen: 20.682 ug/l
 RT: 11.94 min Scan# 1863
 Delta R.T. -0.00 min
 Lab File: VX004241.D
 Acq: 24 Aug 2018 12:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0824WBS01

Tgt Ion:105 Resp: 320847
 Ion Ratio Lower Upper
 105 100
 134 20.8 10.5 31.5

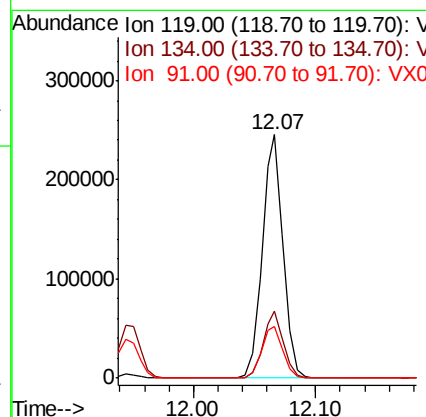
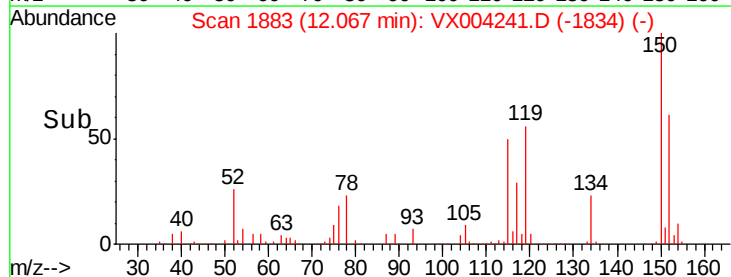
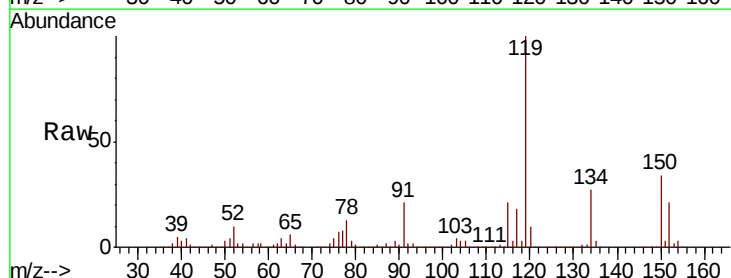
Manual Integrations
 APPROVED

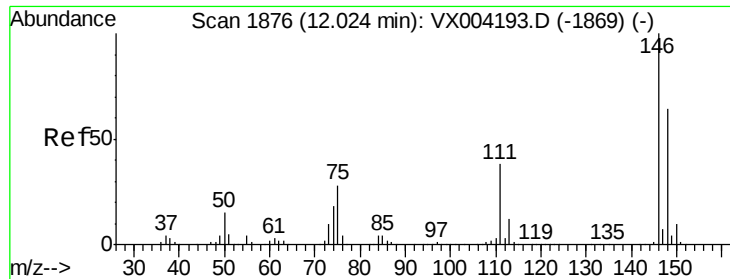
MMDadoda
 8/25/2018 11:42:41 AM



#86
 p-Isopropyltoluene
 Concen: 20.858 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX004241.D
 Acq: 24 Aug 2018 12:43

Tgt Ion:119 Resp: 289991
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.4 40.2
 91 21.8 10.9 32.7





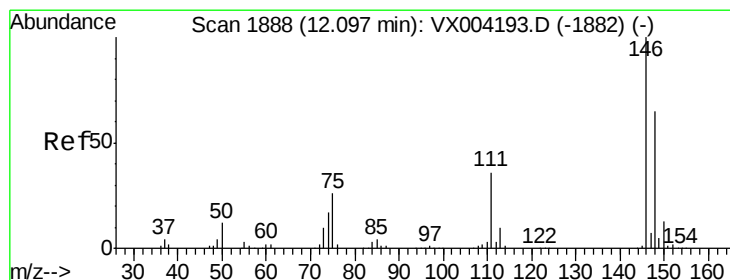
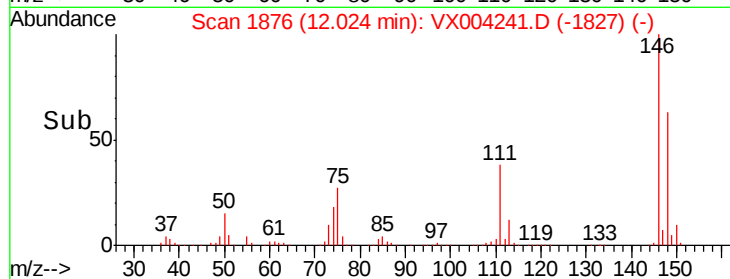
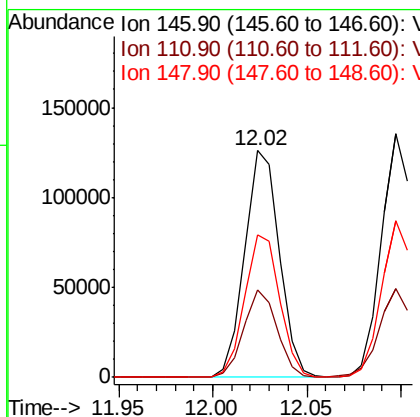
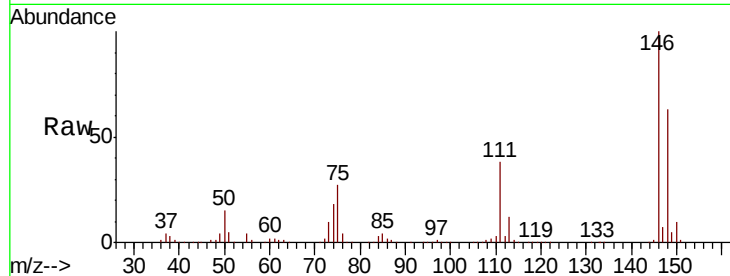
#87
 1,3-Dichlorobenzene
 Concen: 19.413 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. -0.00 min
 Lab File: VX004241.D
 Acq: 24 Aug 2018 12:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0824WBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.7	56.1
148	63.6	32.1	96.5

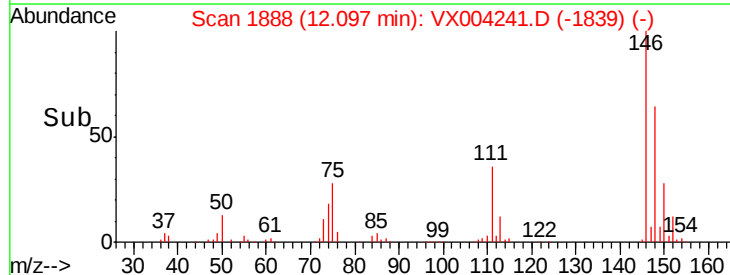
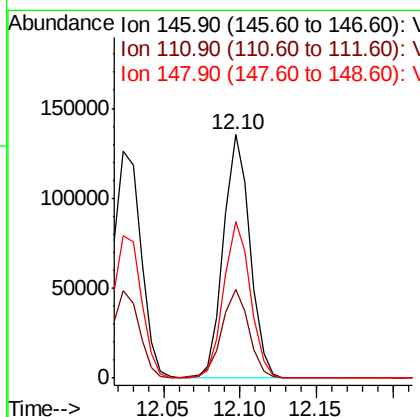
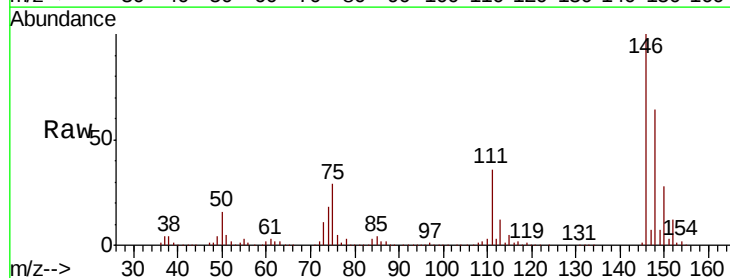
Manual Integrations
 APPROVED

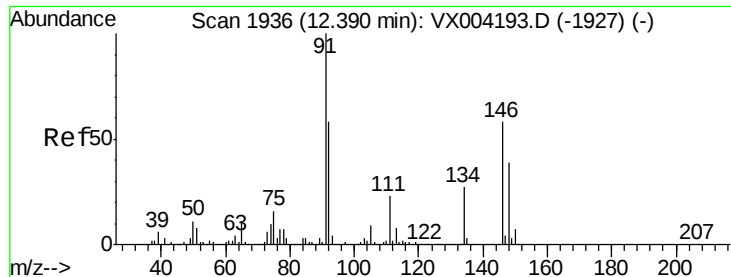
MMDadoda
 8/25/2018 11:42:41 AM



#88
 1,4-Dichlorobenzene
 Concen: 18.652 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VX004241.D
 Acq: 24 Aug 2018 12:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.1	54.1
148	65.0	32.0	96.0





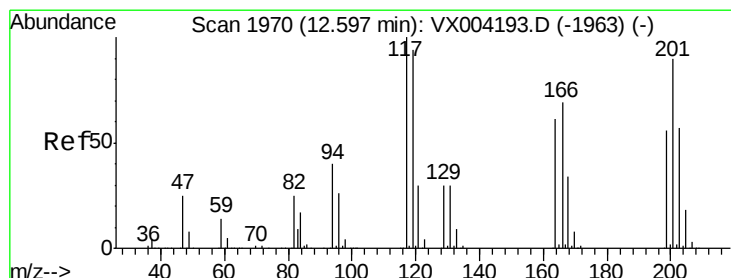
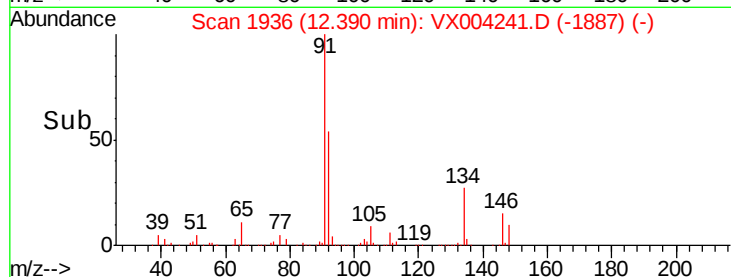
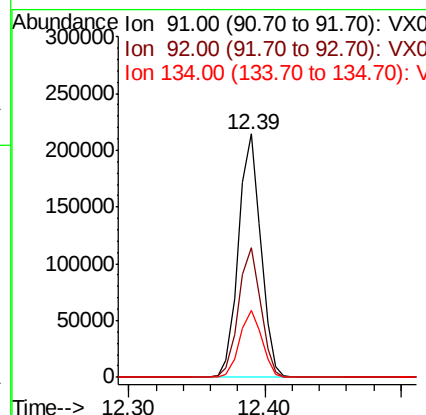
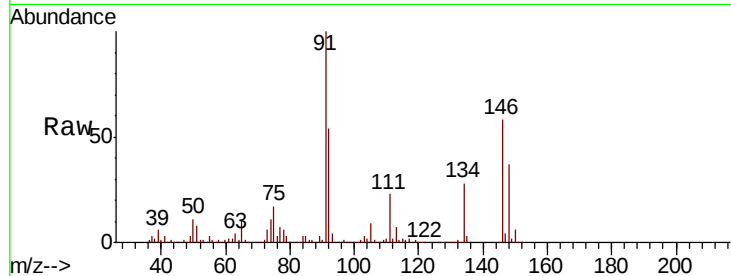
#89
n-Butylbenzene
Concen: 21.605 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX004241.D
Acq: 24 Aug 2018 12:43

Instrument :
MSVOA_X
ClientSampleId :
VX0824WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	244250		
92	53.5	27.3	81.9	
134	27.4	13.6	40.7	

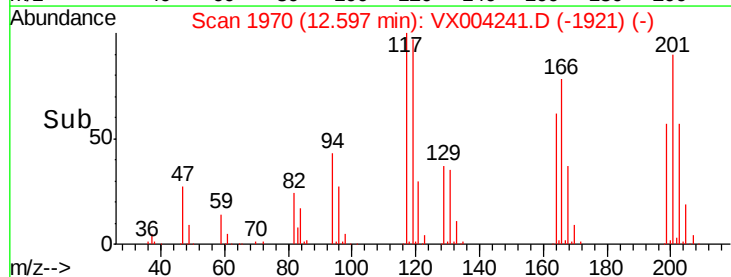
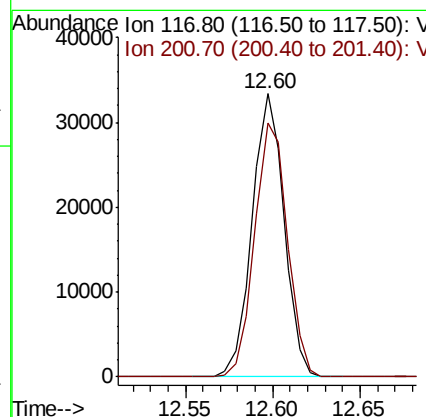
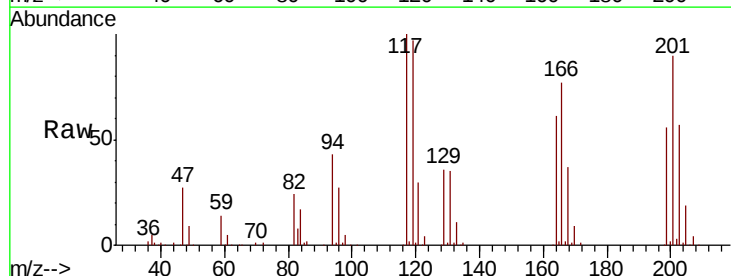
Manual Integrations
APPROVED

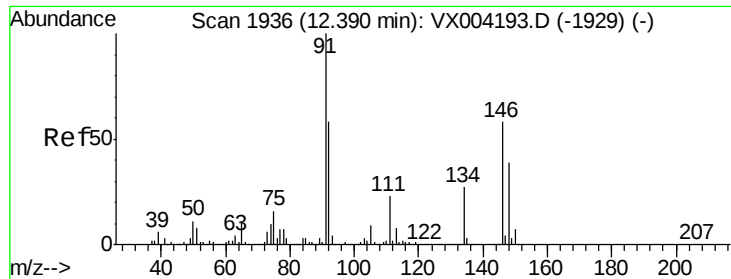
MMDadoda
8/25/2018 11:42:41 AM



#90
Hexachloroethane
Concen: 21.833 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX004241.D
Acq: 24 Aug 2018 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	42426		
201	91.9	46.9	140.6	





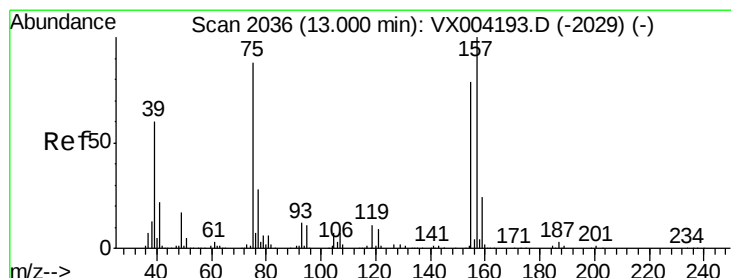
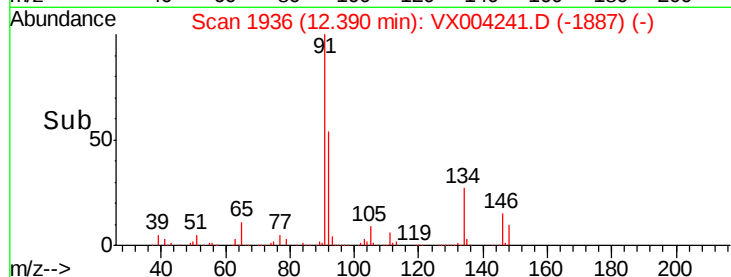
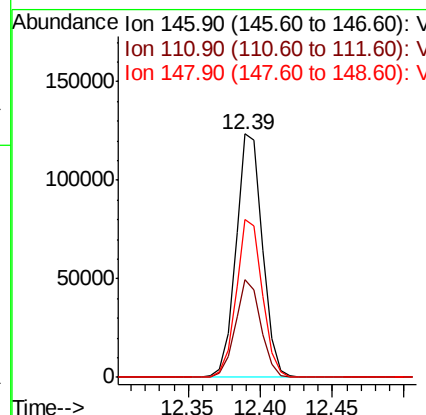
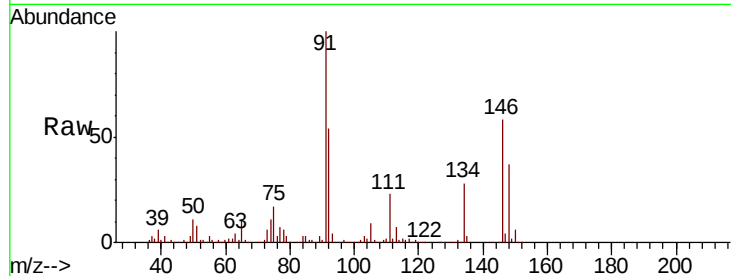
#91
 1,2-Dichlorobenzene
 Concen: 20.978 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VX004241.D
 Acq: 24 Aug 2018 12:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0824WBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.4	58.1
148	64.2	32.8	98.3

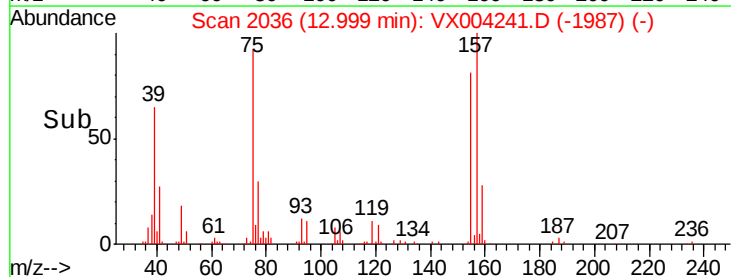
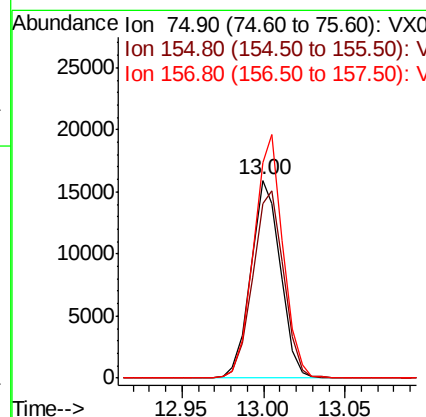
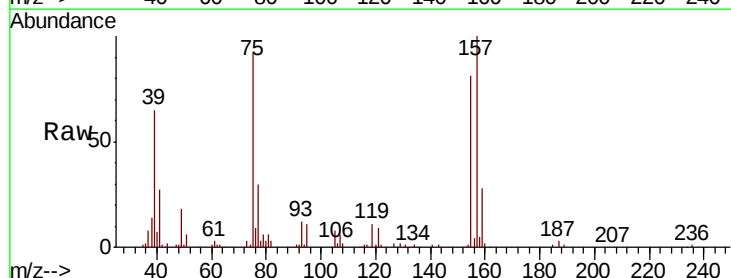
Manual Integrations
 APPROVED

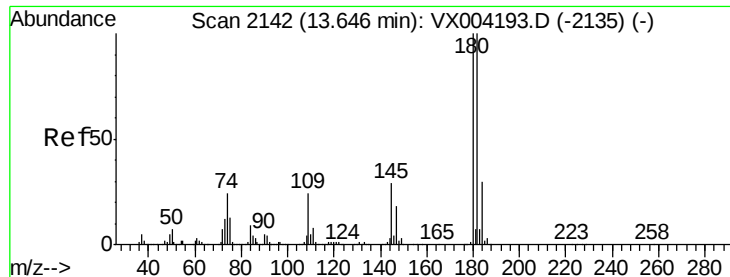
MMDadoda
 8/25/2018 11:42:41 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.839 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VX004241.D
 Acq: 24 Aug 2018 12:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.4	48.0	144.2
157	121.7	61.4	184.1





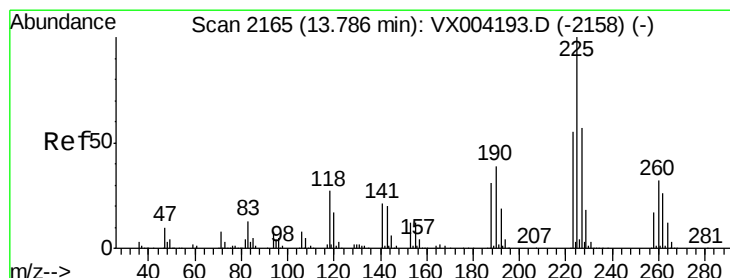
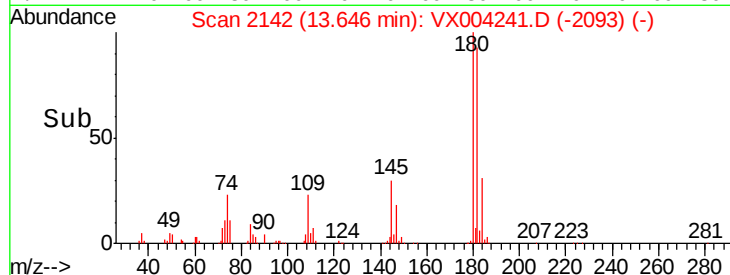
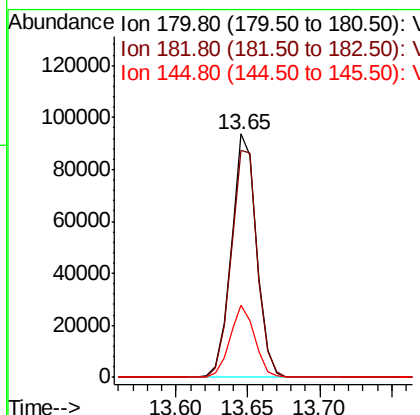
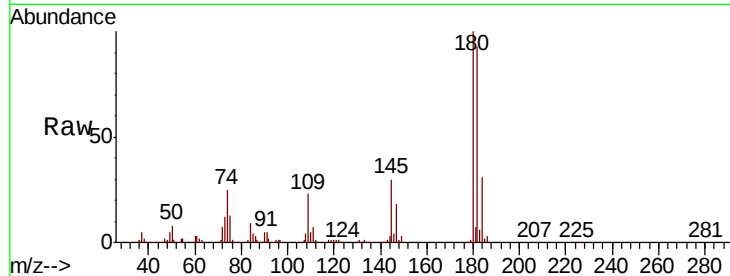
#93
 1,2,4-Trichlorobenzene
 Concen: 20.873 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004241.D
 Acq: 24 Aug 2018 12:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0824WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	114968		
182	96.7	48.4	145.0	
145	29.0	14.3	42.9	

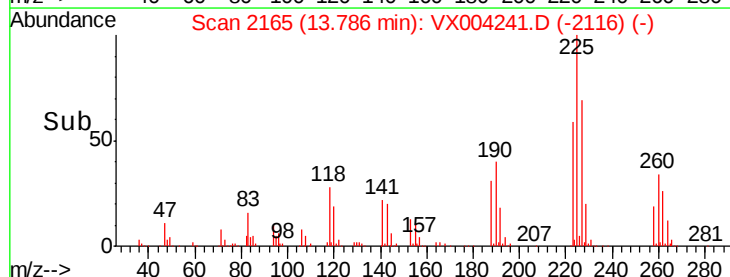
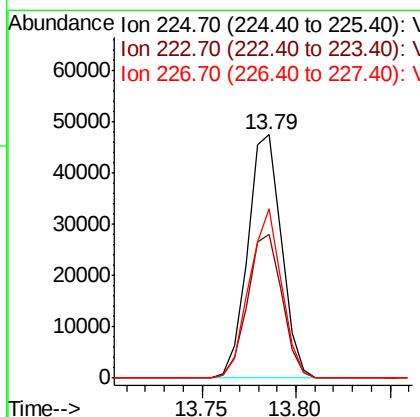
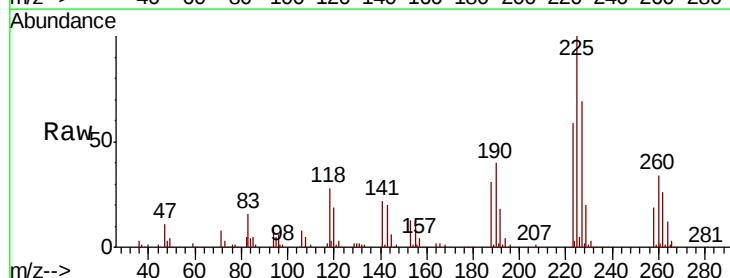
Manual Integrations
 APPROVED

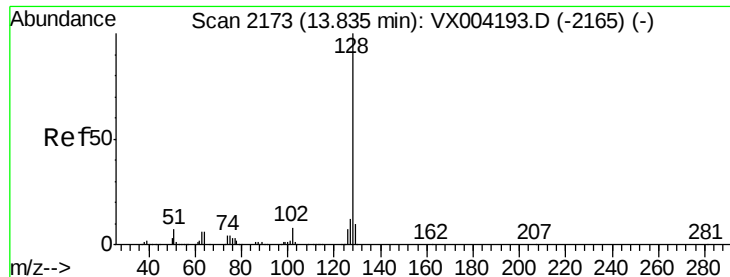
MMDadoda
 8/25/2018 11:42:41 AM



#94
 Hexachlorobutadiene
 Concen: 22.976 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX004241.D
 Acq: 24 Aug 2018 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	59063		
223	60.2	30.1	90.5	
227	66.1	30.8	92.4	





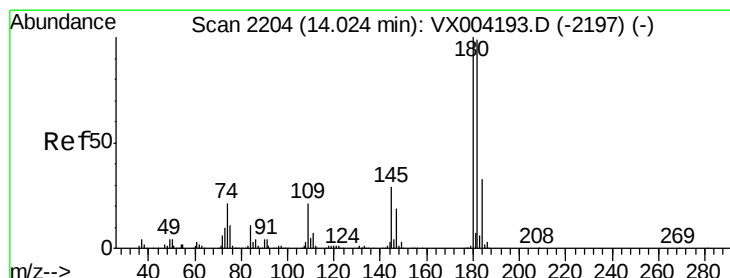
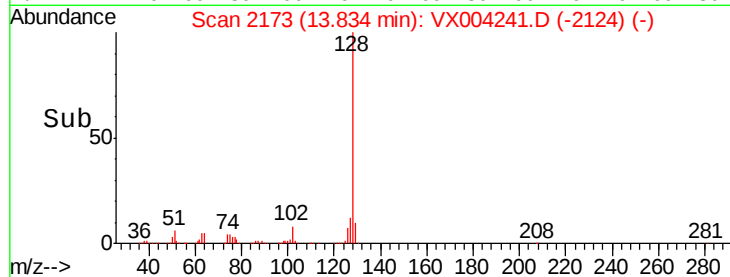
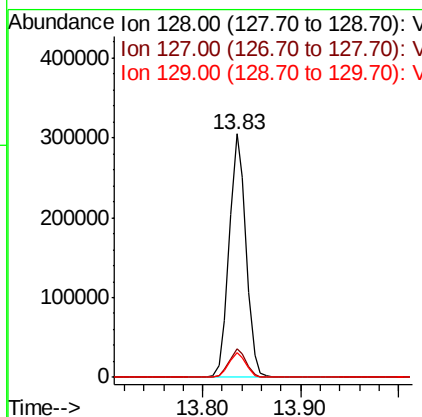
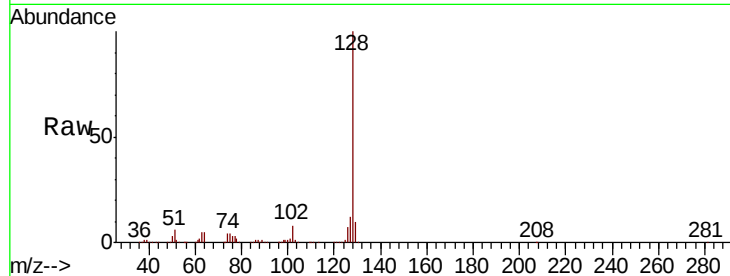
#95
Naphthalene
Concen: 23.348 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. -0.00 min
Lab File: VX004241.D
Acq: 24 Aug 2018 12:43

Instrument :
MSVOA_X
ClientSampleId :
VX0824WBS01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.0	10.2	15.2
129	10.2	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
8/25/2018 11:42:41 AM



#96
1,2,3-Trichlorobenzene
Concen: 22.581 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX004241.D
Acq: 24 Aug 2018 12:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.2	48.5	145.6
145	29.1	14.9	44.9

