

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091818\
 Data File : VX004649.D
 Acq On : 18 Sep 2018 11:22
 Operator : JC/MD
 Sample : VX0918WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/19/2018 12:51:04 PM

Quant Time: Sep 18 15:35:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	242352	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	334359	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	290034	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	176360	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	139184	44.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.08%	
35) Dibromofluoromethane	5.50	113	134518	43.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.92%	
50) Toluene-d8	8.71	98	456379	44.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.96%	
62) 4-Bromofluorobenzene	11.14	95	163051	44.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	40279	17.734	ug/l	96
3) Chloromethane	1.32	50	59563	19.055	ug/l	96
4) Vinyl Chloride	1.40	62	63958	19.935	ug/l	90
5) Bromomethane	1.64	94	32153	23.304	ug/l	100
6) Chloroethane	1.72	64	37111	17.887	ug/l	98
7) Trichlorofluoromethane	1.93	101	76683	18.030	ug/l	90
8) Diethyl Ether	2.18	74	36071	18.918	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	49384	18.303	ug/l	97
10) Methyl Iodide	2.51	142	48080	17.895	ug/l	98
11) Tert butyl alcohol	3.06	59	72521	97.259	ug/l	99
12) 1,1-Dichloroethene	2.37	96	49696	19.625	ug/l	81
13) Acrolein	2.29	56	16715	56.788	ug/l	92
14) Allyl chloride	2.73	41	95412	18.327	ug/l	96
15) Acrylonitrile	3.15	53	168306	93.732	ug/l	98
16) Acetone	2.45	43	137678	90.269	ug/l	99
17) Carbon Disulfide	2.57	76	128796	17.596	ug/l	98
18) Methyl Acetate	2.78	43	86886	20.305	ug/l	96
19) Methyl tert-butyl Ether	3.20	73	163560	18.408	ug/l	92
20) Methylene Chloride	2.85	84	57839	18.486	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	51345	18.349	ug/l	95
22) Diisopropyl ether	3.87	45	174760	18.638	ug/l	93
23) Vinyl Acetate	3.82	43	689133	90.821	ug/l	96
24) 1,1-Dichloroethane	3.70	63	98993	18.700	ug/l	99
25) 2-Butanone	4.71	43	209764	86.416	ug/l	98
26) 2,2-Dichloropropane	4.59	77	72275	19.878	ug/l	94
27) cis-1,2-Dichloroethene	4.59	96	60456	19.354	ug/l	99
28) Bromochloromethane	5.02	49	46649	19.265	ug/l	99
29) Tetrahydrofuran	5.16	42	135016	92.234	ug/l	98
30) Chloroform	5.22	83	99268	19.207	ug/l	91
31) Cyclohexane	5.57	56	78289	17.320	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	80083	19.239	ug/l	99
36) 1,1-Dichloropropene	5.79	75	67171	16.547	ug/l	97
37) Ethyl Acetate	4.85	43	80539	17.445	ug/l	99
38) Carbon Tetrachloride	5.79	117	67728	17.082	ug/l	90

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091818\
 Data File : VX004649.D
 Acq On : 18 Sep 2018 11:22
 Operator : JC/MD
 Sample : VX0918WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0918WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/19/2018 12:51:04 PM

Quant Time: Sep 18 15:35:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	72715	17.166	ug/l	96
40) Benzene	6.15	78	205024	17.023	ug/l	99
41) Methacrylonitrile	5.06	41	44024	17.307	ug/l	99
42) 1,2-Dichloroethane	6.20	62	66914	16.751	ug/l	99
43) Isopropyl Acetate	6.46	43	104598	17.058	ug/l	99
44) Trichloroethene	7.21	130	62457	19.960	ug/l	99
45) 1,2-Dichloropropane	7.52	63	53735	18.541	ug/l	99
46) Dibromomethane	7.66	93	33109	18.084	ug/l	98
47) Bromodichloromethane	7.90	83	62317	17.998	ug/l	96
48) Methyl methacrylate	7.77	41	55527	18.297	ug/l	96
49) 1,4-Dioxane	7.76	88	27184	378.469	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	353706	81.737	ug/l	98
52) Toluene	8.79	92	123751	17.439	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	67276	16.634	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	75420	18.292	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	51800	16.954	ug/l	99
56) Ethyl methacrylate	9.18	69	69146	15.997	ug/l	99
57) 1,3-Dichloropropane	9.37	76	84426	17.006	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	187740	90.041	ug/l	97
59) 2-Hexanone	9.50	43	270180	81.398	ug/l	97
60) Dibromochloromethane	9.59	129	50366	17.510	ug/l	99
61) 1,2-Dibromoethane	9.68	107	52786	18.085	ug/l	98
64) Tetrachloroethene	9.34	164	68022	18.785	ug/l	98
65) Chlorobenzene	10.14	112	140257	19.469	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.22	131	50010	20.130	ug/l	99
67) Ethyl Benzene	10.26	91	225952	19.288	ug/l	99
68) m/p-Xylenes	10.36	106	179708	39.826	ug/l	96
69) o-Xylene	10.70	106	85496	19.708	ug/l	98
70) Styrene	10.71	104	144482	20.103	ug/l	98
71) Bromoform	10.86	173	39350	19.290	ug/l #	99
73) Isopropylbenzene	11.02	105	235676	20.291	ug/l	99
74) N-amyl acetate	10.90	43	89189	18.244	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	70230	18.746	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	69388m	19.556	ug/l	
77) Bromobenzene	11.26	156	64581	20.116	ug/l	99
78) n-propylbenzene	11.36	91	268932	20.138	ug/l	100
79) 2-Chlorotoluene	11.42	91	159953	19.748	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	199272	20.409	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	21622	19.424	ug/l	97
82) 4-Chlorotoluene	11.51	91	187084	19.790	ug/l	99
83) tert-Butylbenzene	11.77	119	186820	20.097	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	204297	20.493	ug/l	99
85) sec-Butylbenzene	11.95	105	239574	20.224	ug/l	99
86) p-Isopropyltoluene	12.07	119	215436	20.595	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	119016	19.870	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	120835	19.524	ug/l	99
89) n-Butylbenzene	12.39	91	181409	19.031	ug/l	97
90) Hexachloroethane	12.60	117	32315	19.297	ug/l	95
91) 1,2-Dichlorobenzene	12.40	146	118757	19.589	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	15461	19.327	ug/l	97

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX091818\
Data File : VX004649.D
Acq On : 18 Sep 2018 11:22
Operator : JC/MD
Sample : VX0918WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

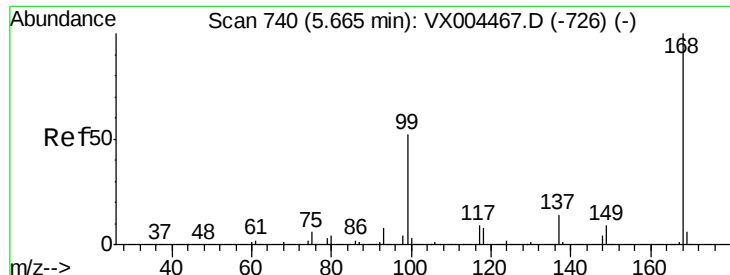
Manual Integrations
APPROVED

MMDadoda
9/19/2018 12:51:04 PM

Quant Time: Sep 18 15:35:53 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 12 02:17:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	84686	19.728	ug/l	99
94) Hexachlorobutadiene	13.79	225	45999	20.514	ug/l	97
95) Naphthalene	13.83	128	242058	20.104	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	89557	20.307	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX004649.D

Acq: 18 Sep 2018 11:22

Instrument :

MSVOA_X

ClientSampled :

VX0918WBS01

Tgt Ion:168 Resp: 242352

Ion Ratio Lower Upper

168 100

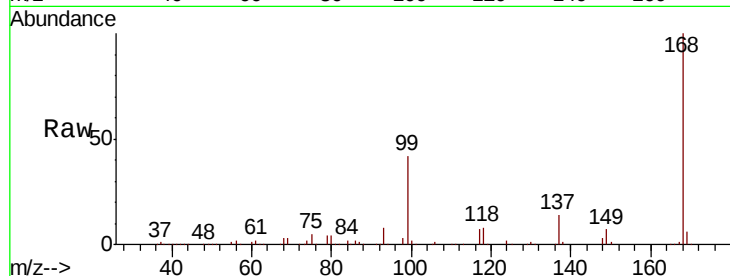
99 41.8 39.9 59.9

Manual Integrations

APPROVED

MMDadoda

9/19/2018 12:51:04 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

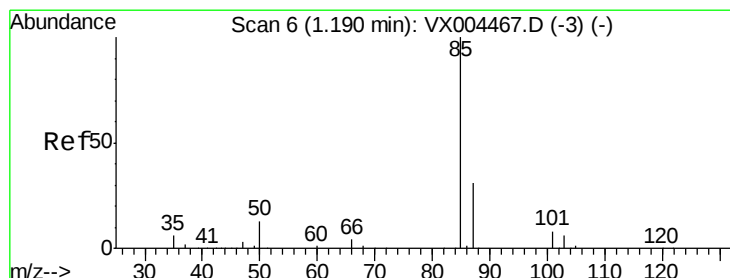
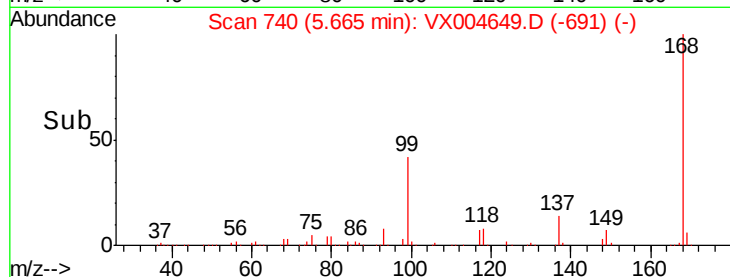
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 17.734 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.01 min

Lab File: VX004649.D

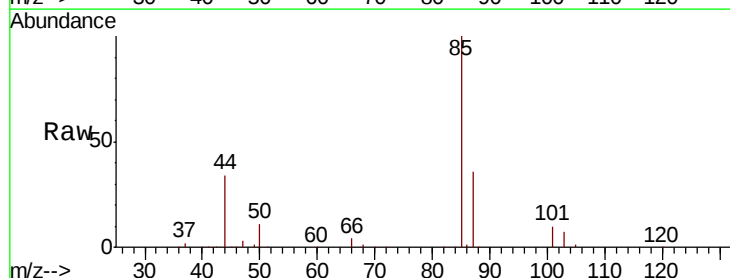
Acq: 18 Sep 2018 11:22

Tgt Ion: 85 Resp: 40279

Ion Ratio Lower Upper

85 100

87 36.2 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

40000

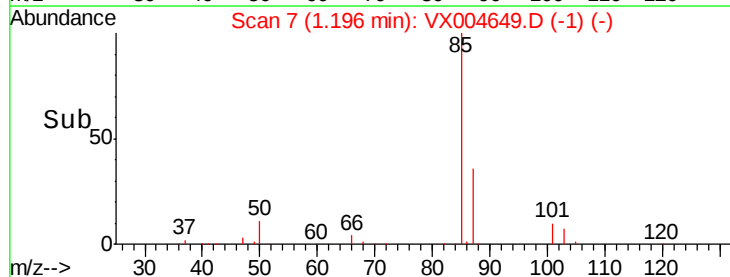
30000

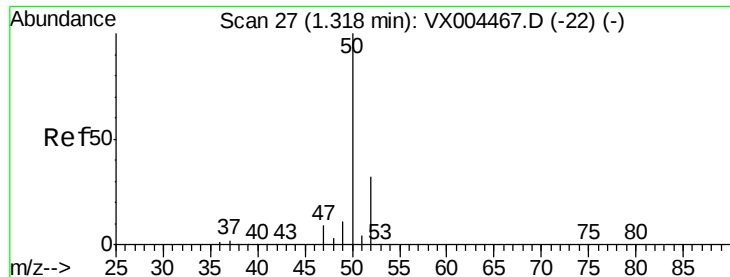
20000

10000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 19.055 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004649.D

Acq: 18 Sep 2018 11:22

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBS01

Tgt Ion: 50 Resp: 59563

Ion Ratio Lower Upper

50 100

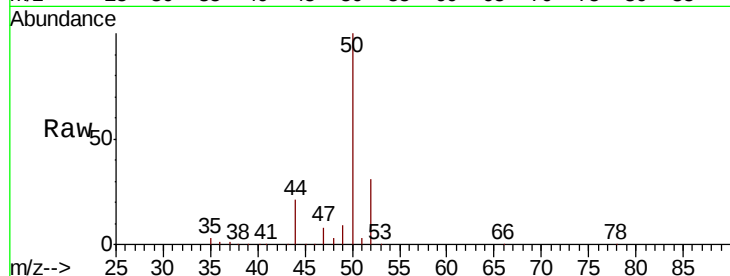
52 30.6 26.2 39.2

Manual Integrations

APPROVED

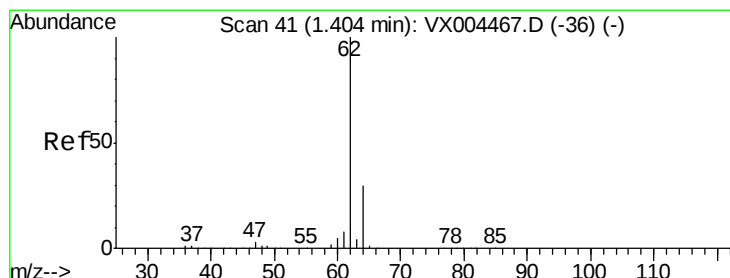
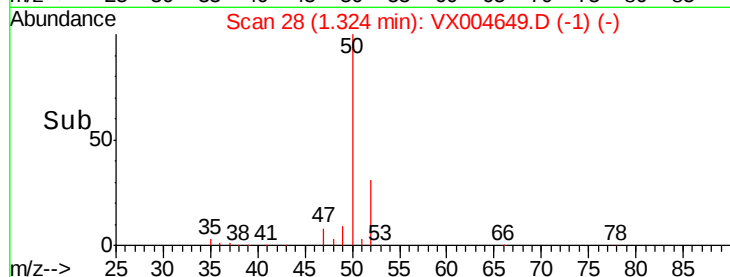
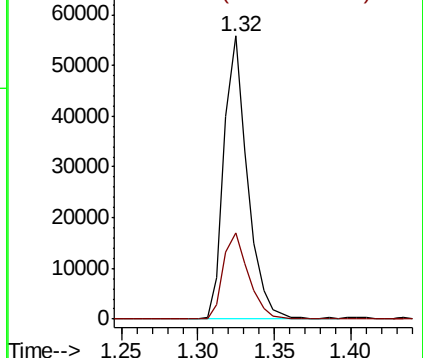
MMDadoda

9/19/2018 12:51:04 PM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.935 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004649.D

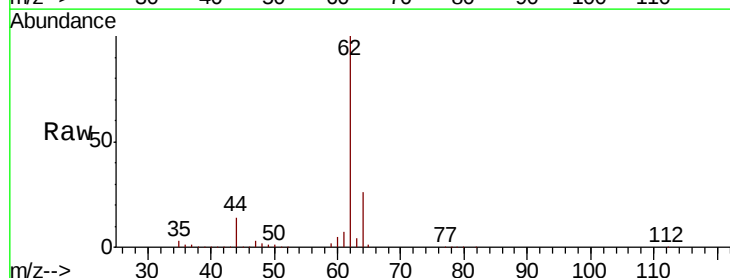
Acq: 18 Sep 2018 11:22

Tgt Ion: 62 Resp: 63958

Ion Ratio Lower Upper

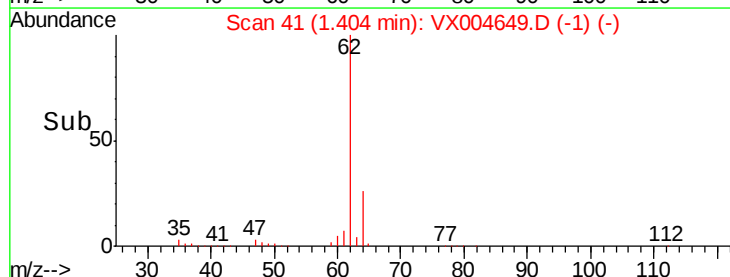
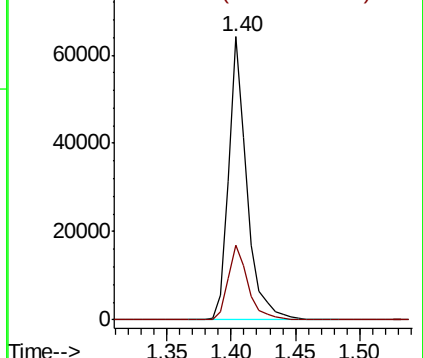
62 100

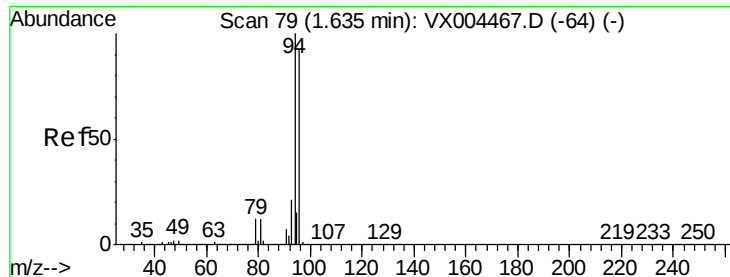
64 26.5 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 23.304 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004649.D

Acq: 18 Sep 2018 11:22

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBS01

Tgt Ion: 94 Resp: 32153

Ion Ratio Lower Upper

94 100

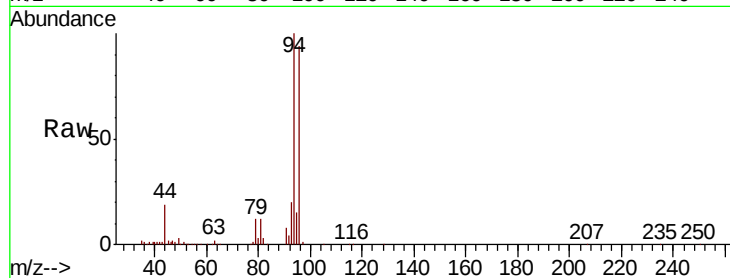
96 93.3 74.5 111.7

Manual Integrations

APPROVED

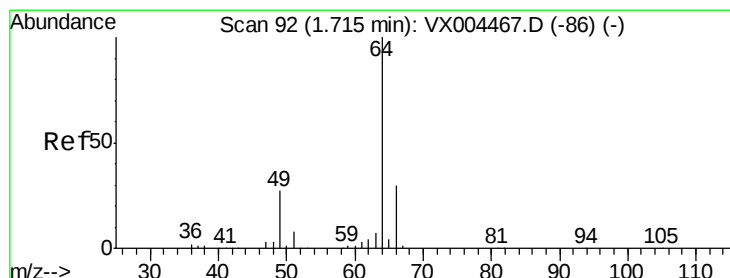
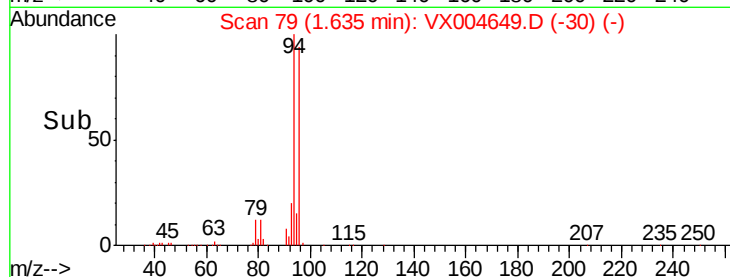
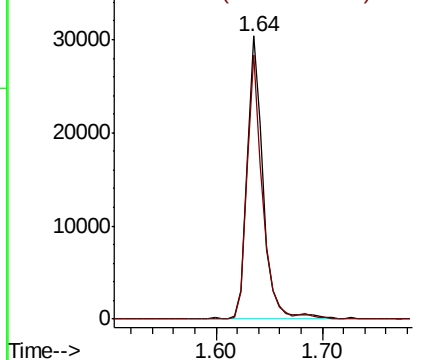
MMDadoda

9/19/2018 12:51:04 PM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 17.887 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX004649.D

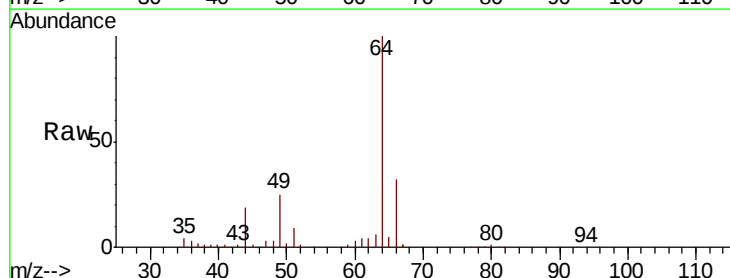
Acq: 18 Sep 2018 11:22

Tgt Ion: 64 Resp: 37111

Ion Ratio Lower Upper

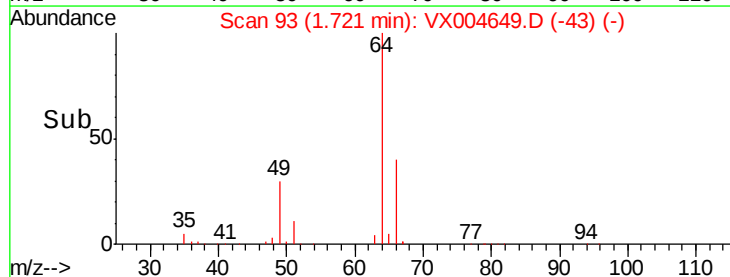
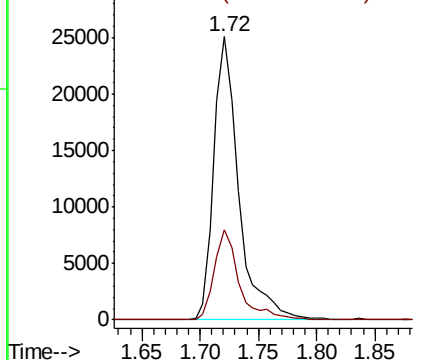
64 100

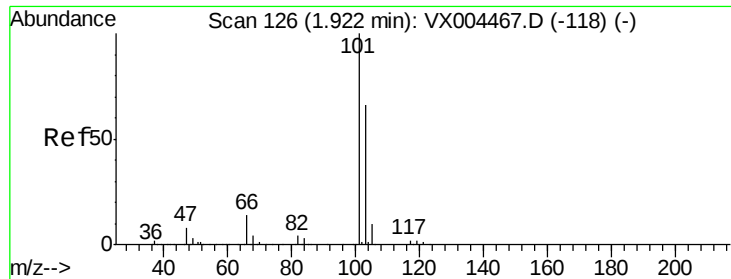
66 31.7 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

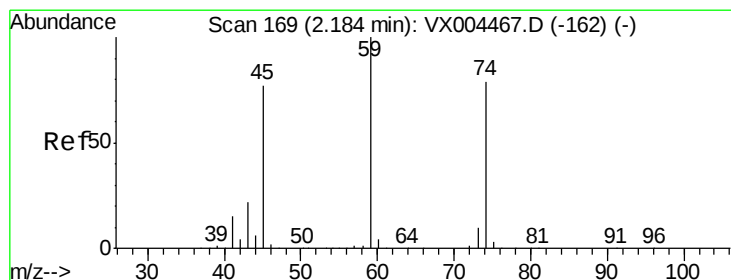
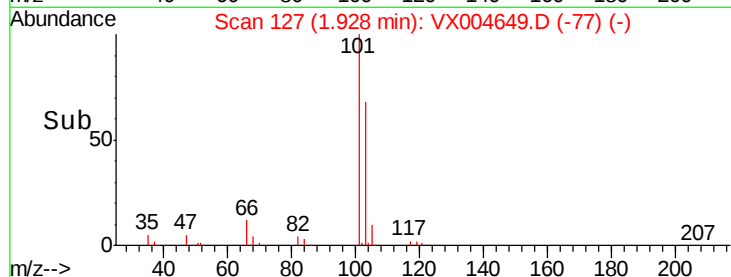
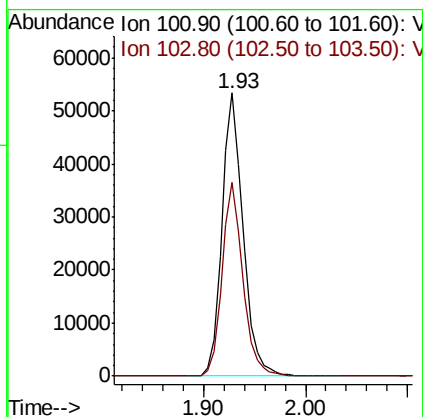
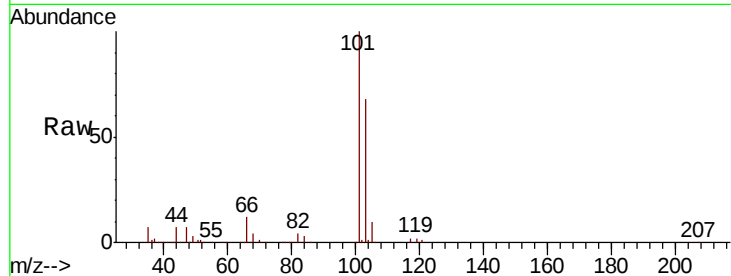
Trichlorofluoromethane
Concen: 18.030 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX004649.D
Acq: 18 Sep 2018 11:22

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Tgt Ion: 101 Resp: 76683
Ion Ratio Lower Upper
101 100
103 68.4 48.9 73.3

Manual Integrations
APPROVED

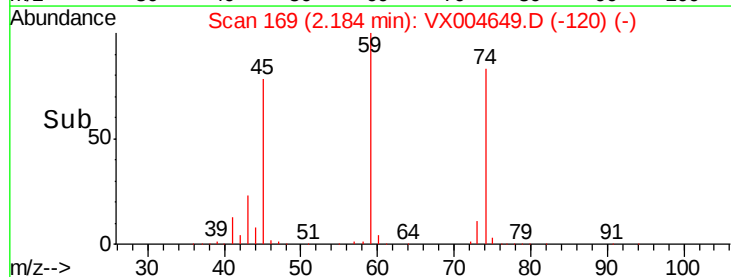
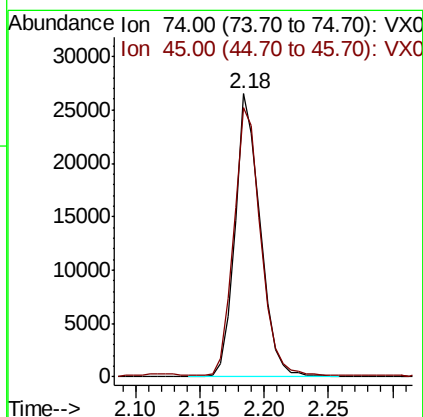
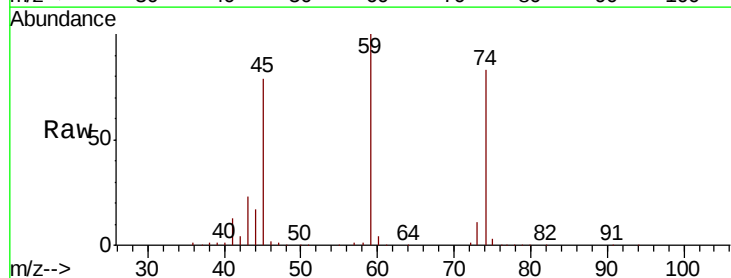
MMDadoda
9/19/2018 12:51:04 PM

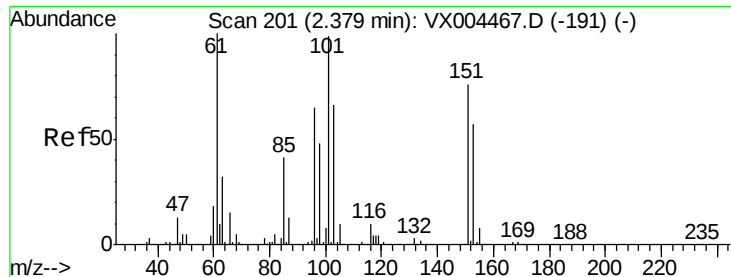


#8

Diethyl Ether
Concen: 18.918 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.00 min
Lab File: VX004649.D
Acq: 18 Sep 2018 11:22

Tgt Ion: 74 Resp: 36071
Ion Ratio Lower Upper
74 100
45 100.9 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.303 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX004649.D

Acq: 18 Sep 2018 11:22

Instrument :

MSVOA_X

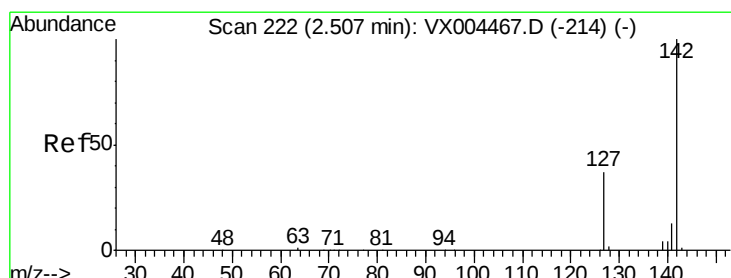
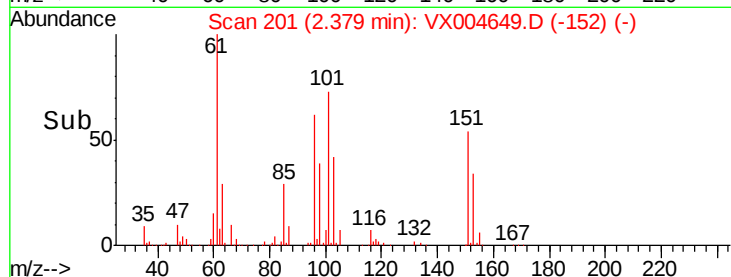
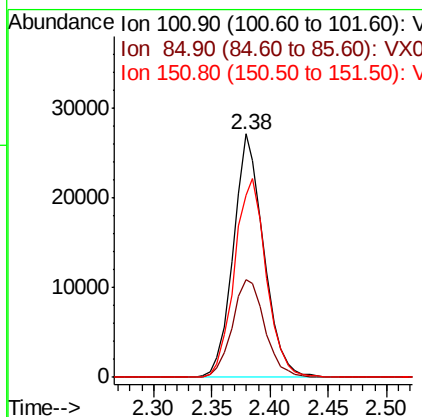
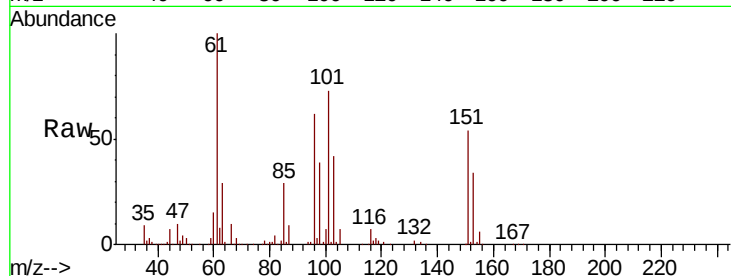
ClientSampleId :

VX0918WBS01

Tgt Ion:	101	Resp:	49384
Ion Ratio	Lower	Upper	
101	100		
85	42.9	34.2	51.4
151	85.5	65.0	97.6

Manual Integrations
APPROVED

MMDadoda
9/19/2018 12:51:04 PM



#10

Methyl Iodide

Concen: 17.895 ug/l

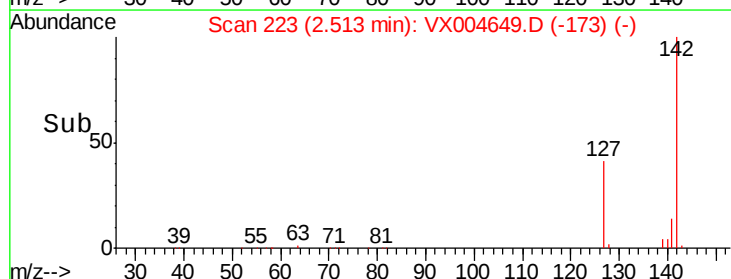
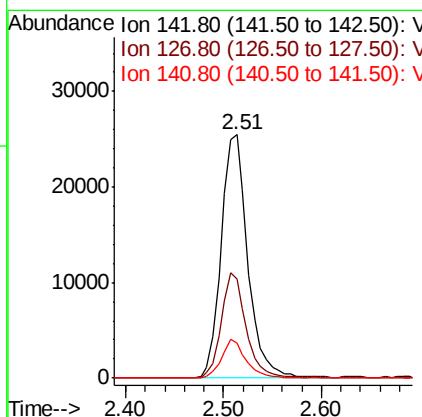
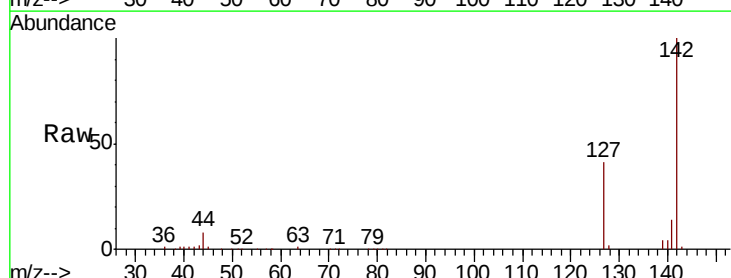
RT: 2.51 min Scan# 223

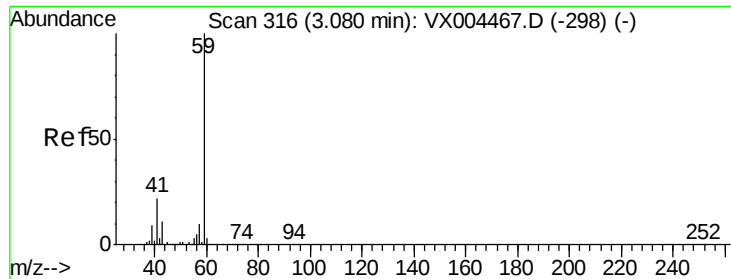
Delta R.T. 0.01 min

Lab File: VX004649.D

Acq: 18 Sep 2018 11:22

Tgt Ion:	142	Resp:	48080
Ion Ratio	Lower	Upper	
142	100		
127	40.3	33.8	50.6
141	14.3	11.4	17.0





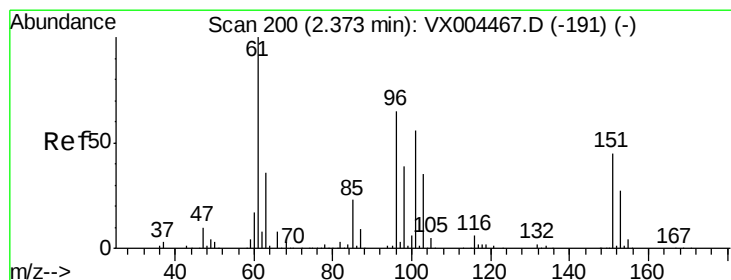
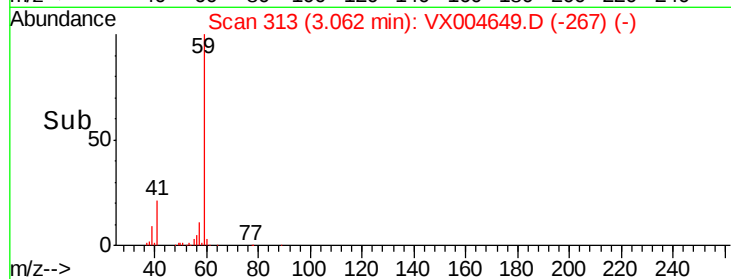
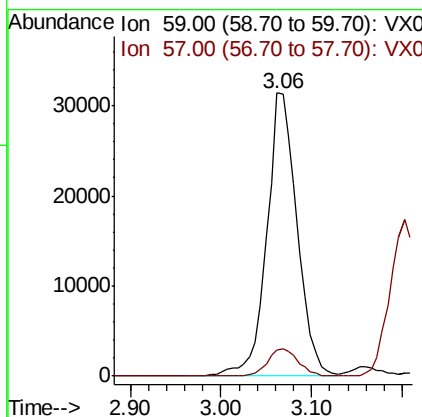
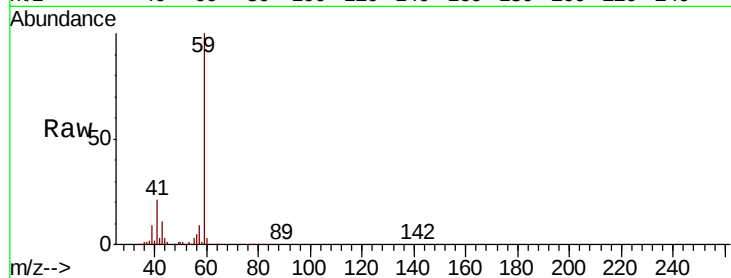
#11
Tert butyl alcohol
Concen: 97.259 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX004649.D
Acq: 18 Sep 2018 11:22

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Tgt Ion: 59 Resp: 72521
Ion Ratio Lower Upper
59 100
57 9.9 8.2 12.4

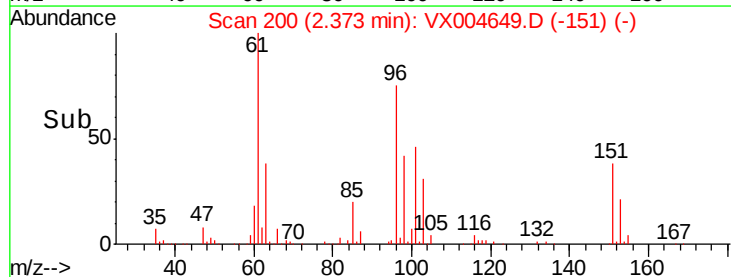
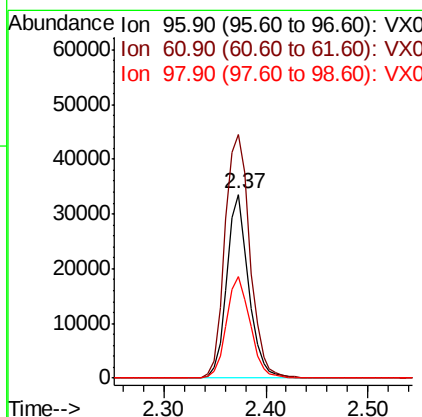
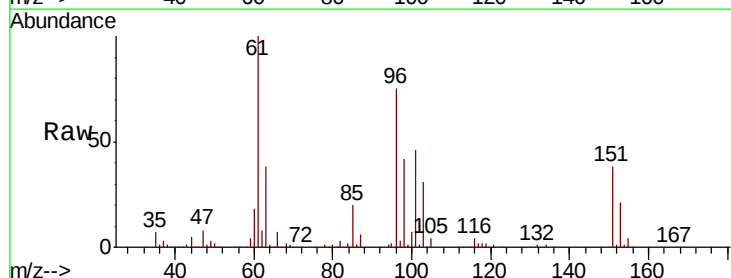
Manual Integrations
APPROVED

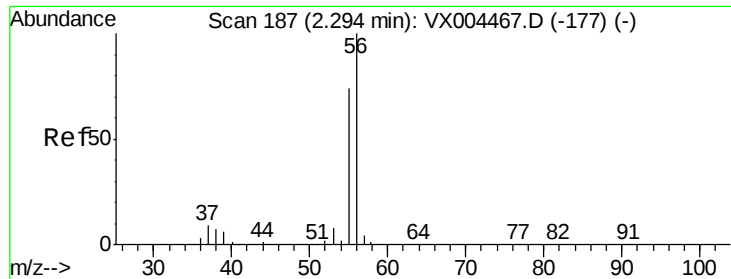
MMDadoda
9/19/2018 12:51:04 PM



#12
1,1-Dichloroethene
Concen: 19.625 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX004649.D
Acq: 18 Sep 2018 11:22

Tgt Ion: 96 Resp: 49696
Ion Ratio Lower Upper
96 100
61 132.7 128.8 193.2
98 55.4 52.2 78.2





#13

Acrolein

Concen: 56.788 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX004649.D

Acq: 18 Sep 2018 11:22

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBS01

Tgt Ion: 56 Resp: 16715

Ion Ratio Lower Upper

56 100

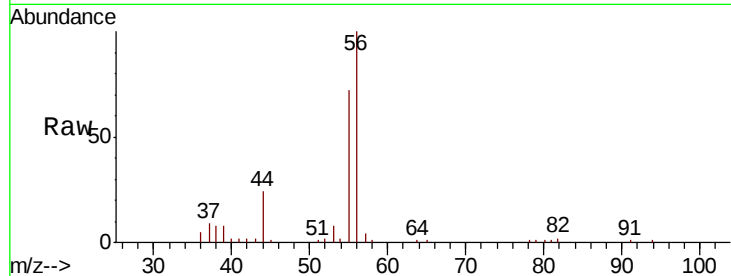
55 74.5 54.7 82.1

Manual Integrations

APPROVED

MMDadoda

9/19/2018 12:51:04 PM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

12000

10000

8000

6000

4000

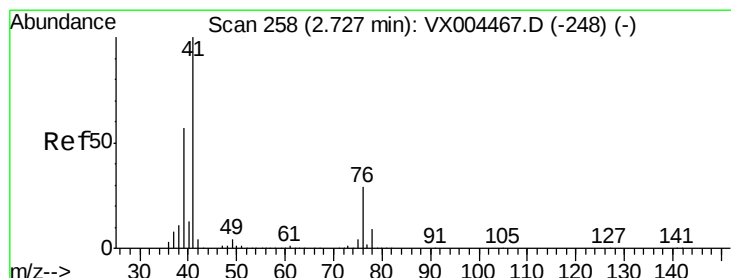
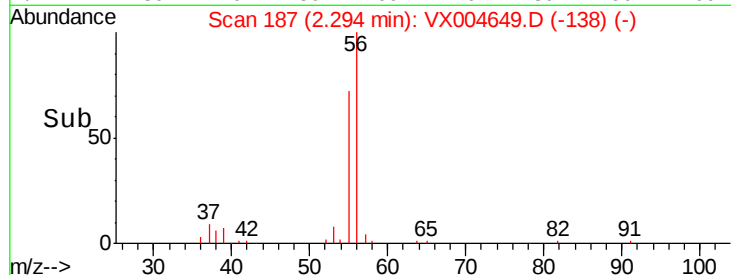
2000

0

Time-->

2.20 2.25 2.30 2.35 2.40

2.29



#14

Allyl chloride

Concen: 18.327 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX004649.D

Acq: 18 Sep 2018 11:22

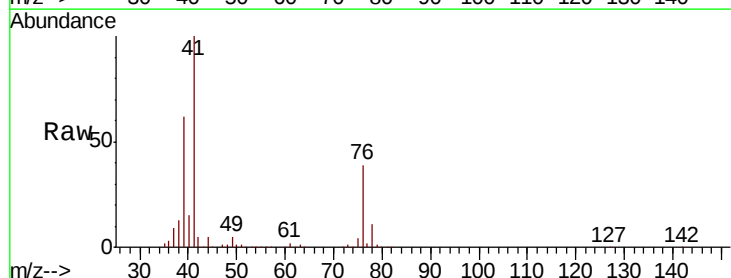
Tgt Ion: 41 Resp: 95412

Ion Ratio Lower Upper

41 100

39 56.6 48.9 73.3

76 32.6 26.7 40.1



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

60000

50000

40000

30000

20000

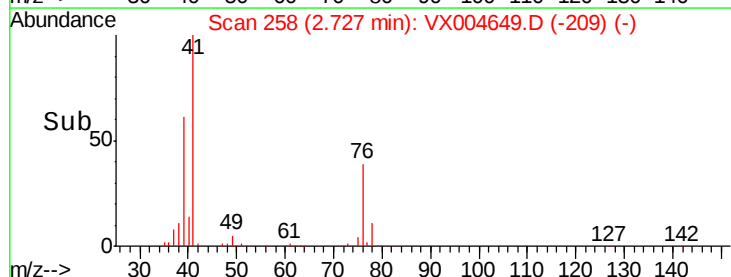
10000

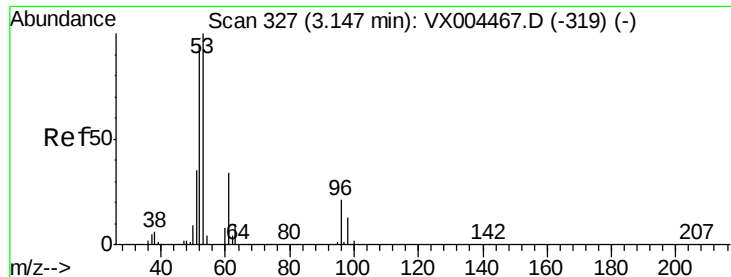
0

Time-->

2.60 2.70 2.80

2.73





#15

Acrylonitrile

Concen: 93.732 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX004649.D

Acq: 18 Sep 2018 11:22

Instrument :

MSVOA_X

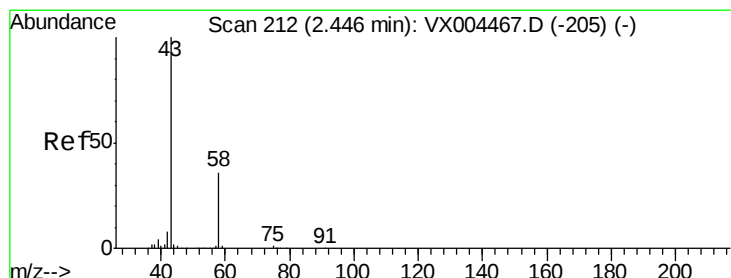
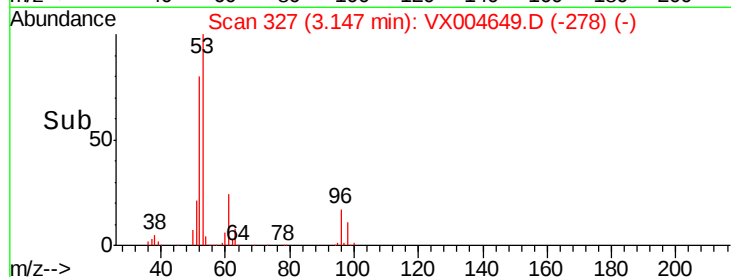
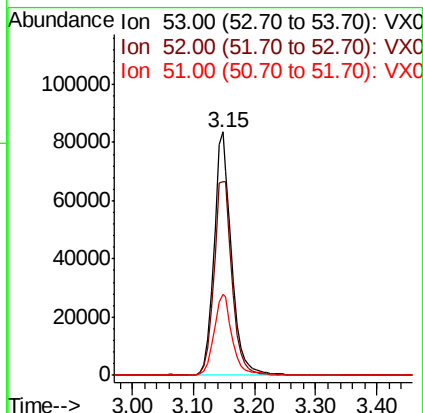
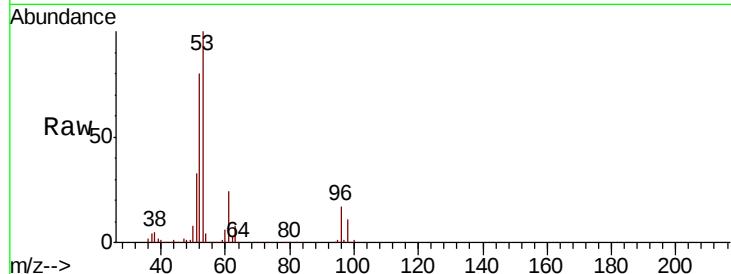
ClientSampleId :

VX0918WBS01

Tgt Ion:	53	Resp:	168306
Ion	Ratio	Lower	Upper
53	100		
52	83.4	65.2	97.8
51	34.7	28.2	42.2

Manual Integrations
APPROVED

MMDadoda
9/19/2018 12:51:04 PM



#16

Acetone

Concen: 90.269 ug/l

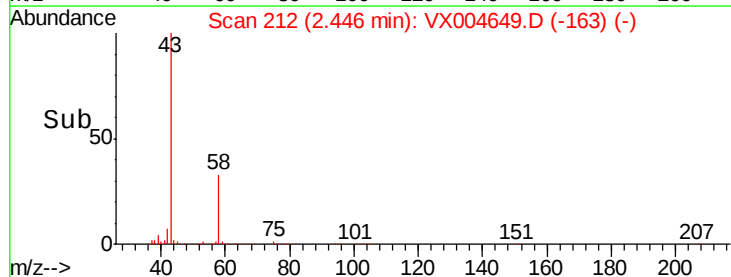
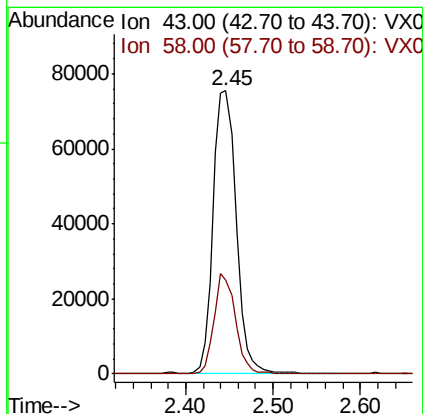
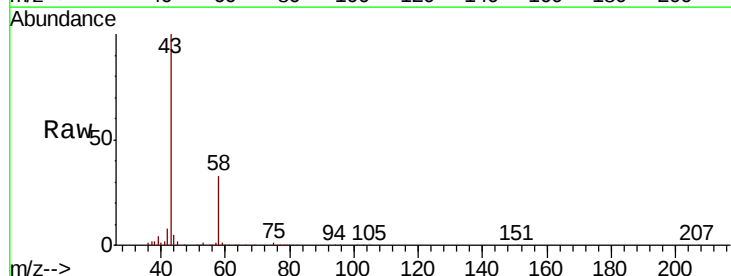
RT: 2.45 min Scan# 212

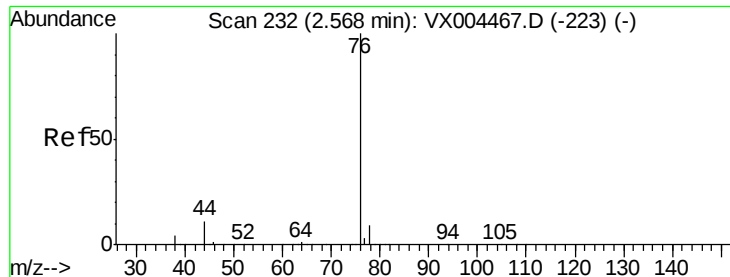
Delta R.T. -0.00 min

Lab File: VX004649.D

Acq: 18 Sep 2018 11:22

Tgt Ion:	43	Resp:	137678
Ion	Ratio	Lower	Upper
43	100		
58	33.3	26.2	39.4





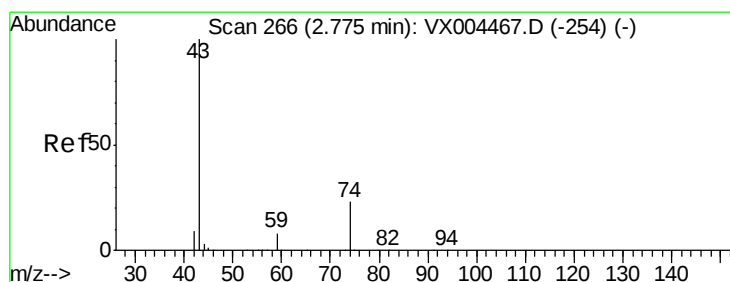
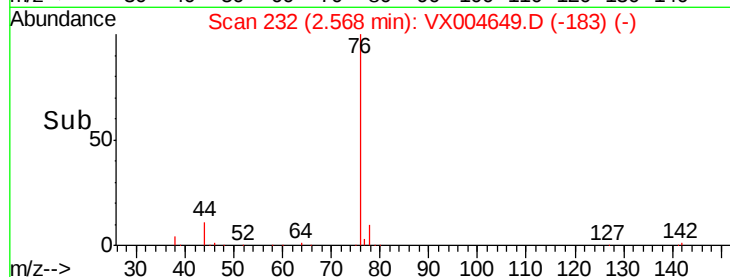
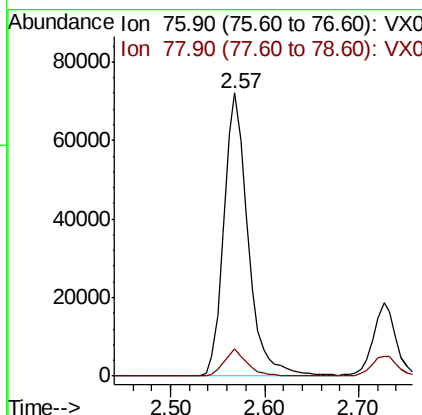
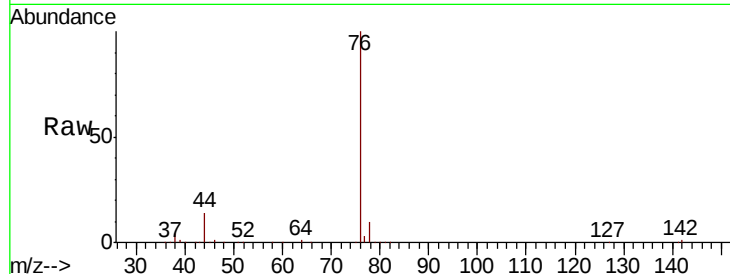
#17
Carbon Disulfide
Concen: 17.596 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX004649.D
Acq: 18 Sep 2018 11:22

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Tgt Ion: 76 Resp: 128796
Ion Ratio Lower Upper
76 100
78 9.6 7.0 10.6

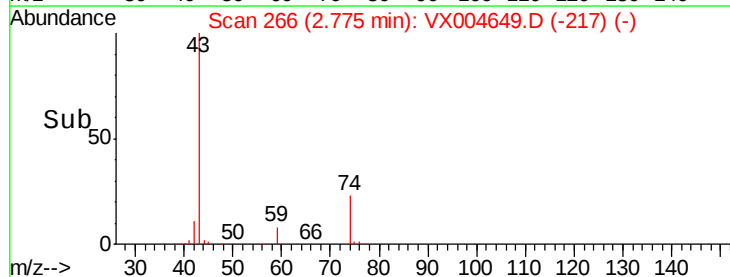
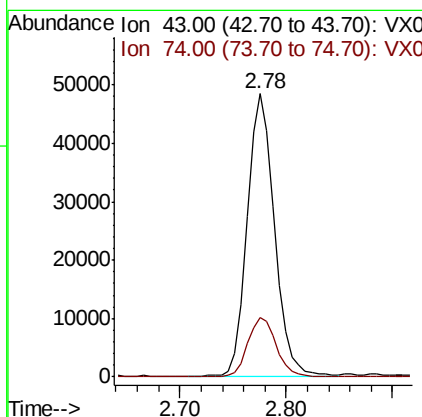
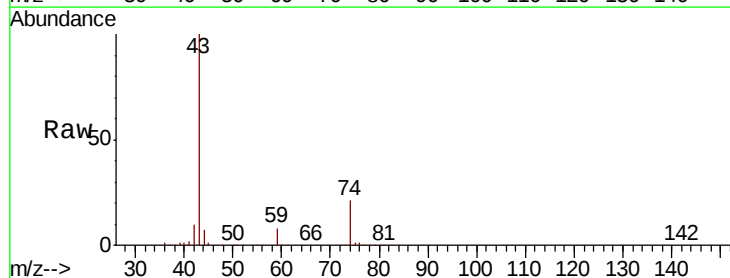
Manual Integrations
APPROVED

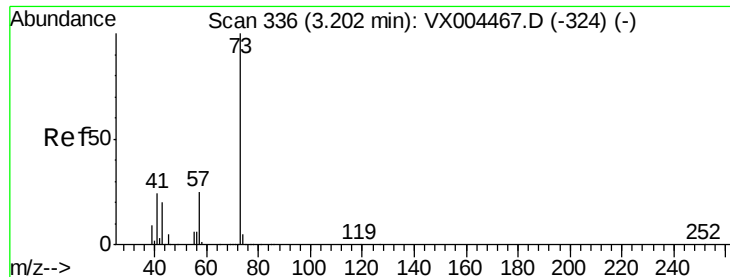
MMDadoda
9/19/2018 12:51:04 PM



#18
Methyl Acetate
Concen: 20.305 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX004649.D
Acq: 18 Sep 2018 11:22

Tgt Ion: 43 Resp: 86886
Ion Ratio Lower Upper
43 100
74 22.3 19.4 29.2





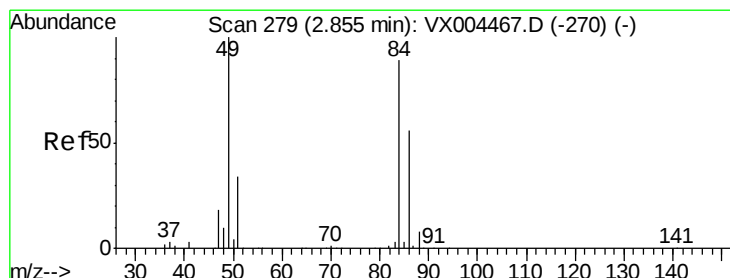
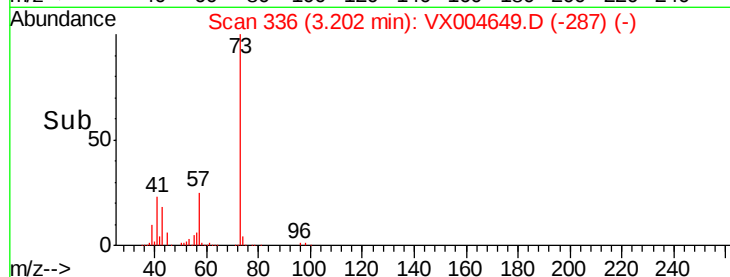
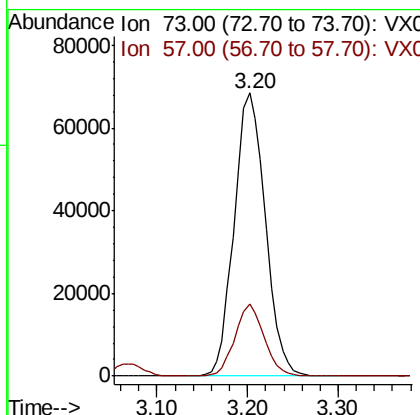
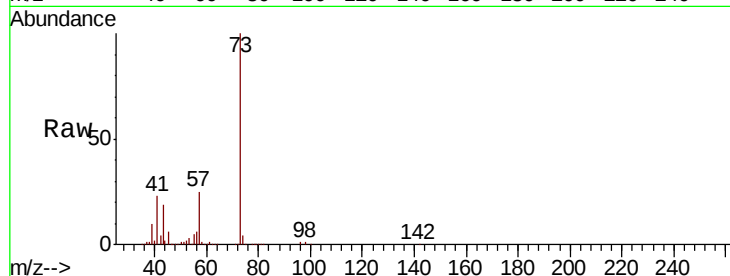
#19
Methyl tert-butyl Ether
Concen: 18.408 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX004649.D
Acq: 18 Sep 2018 11:22

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Tgt Ion: 73 Resp: 163560
Ion Ratio Lower Upper
73 100
57 25.3 17.1 25.7

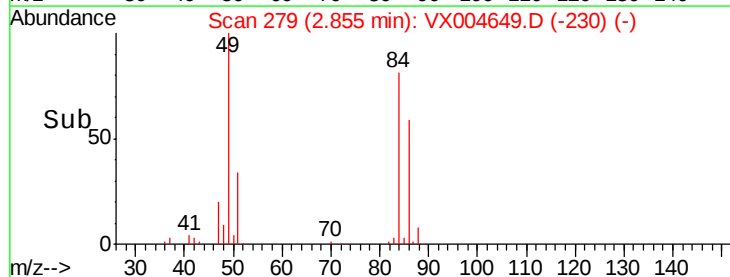
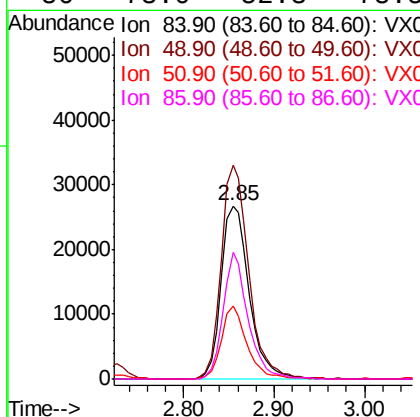
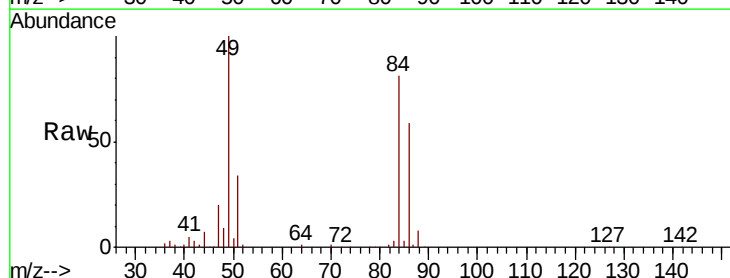
Manual Integrations
APPROVED

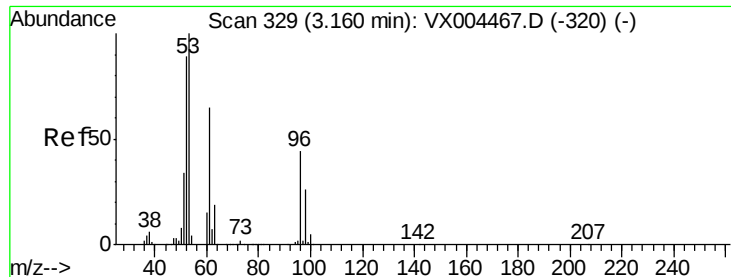
MMDadoda
9/19/2018 12:51:04 PM



#20
Methylene Chloride
Concen: 18.486 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX004649.D
Acq: 18 Sep 2018 11:22

Tgt Ion: 84 Resp: 57839
Ion Ratio Lower Upper
84 100
49 123.5 101.2 151.8
51 41.9 29.5 44.3
86 73.0 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 18.349 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX004649.D

Acq: 18 Sep 2018 11:22

Instrument :

MSVOA_X

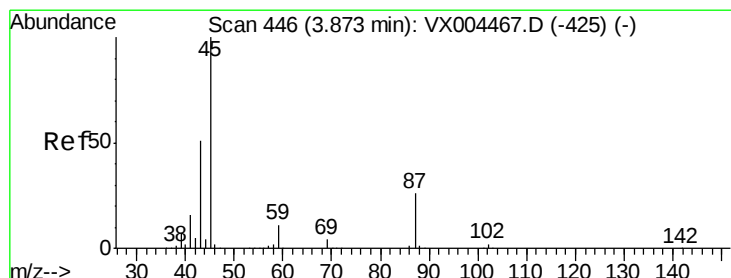
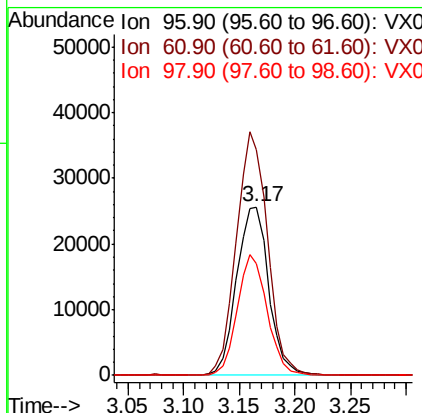
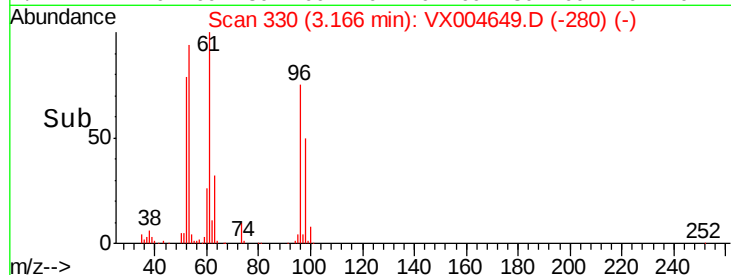
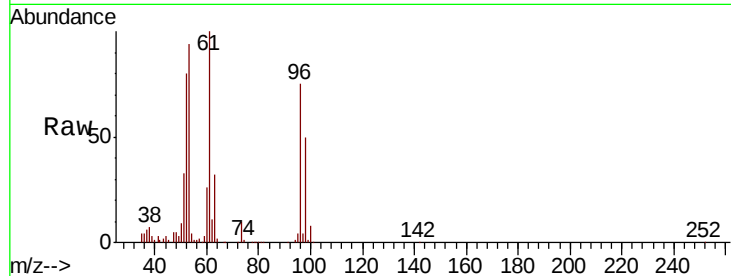
ClientSampleId :

VX0918WBS01

Tgt Ion:	96	Resp:	51345
Ion	Ratio	Lower	Upper
96	100		
61	134.0	113.8	170.6
98	66.5	51.8	77.8

Manual Integrations
APPROVED

MMDadoda
9/19/2018 12:51:04 PM



#22

Diisopropyl ether

Concen: 18.638 ug/l

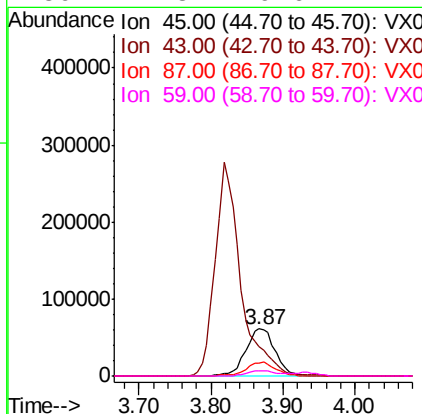
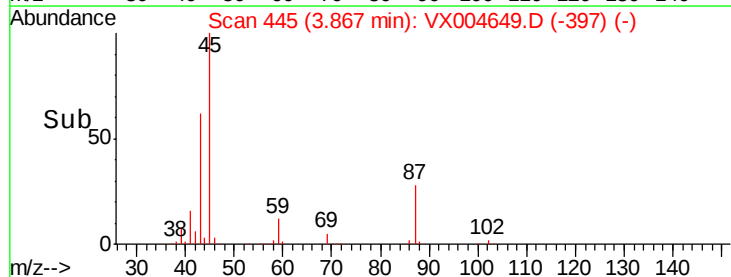
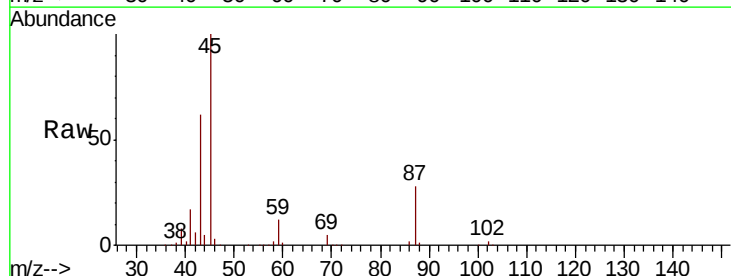
RT: 3.87 min Scan# 445

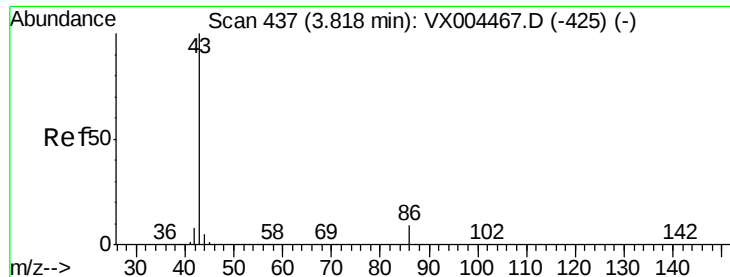
Delta R.T. -0.01 min

Lab File: VX004649.D

Acq: 18 Sep 2018 11:22

Tgt Ion:	45	Resp:	174760
Ion	Ratio	Lower	Upper
45	100		
43	61.8	42.8	64.2
87	27.5	22.6	34.0
59	11.8	9.6	14.4





#23

Vinyl Acetate

Concen: 90.821 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX004649.D

Acq: 18 Sep 2018 11:22

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBS01

Tgt Ion: 43 Resp: 689133

Ion Ratio Lower Upper

43 100

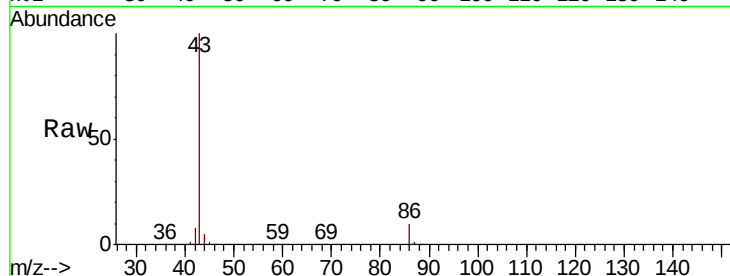
86 9.6 8.9 13.3

Manual Integrations

APPROVED

MMDadoda

9/19/2018 12:51:04 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

300000

250000

200000

150000

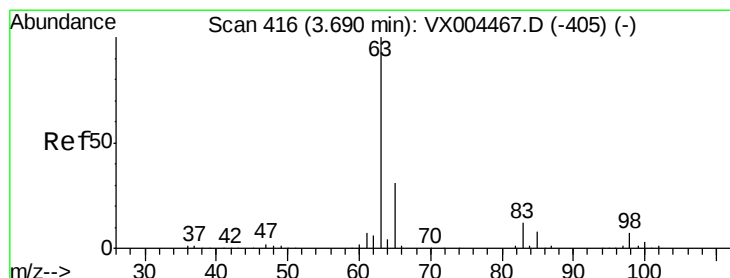
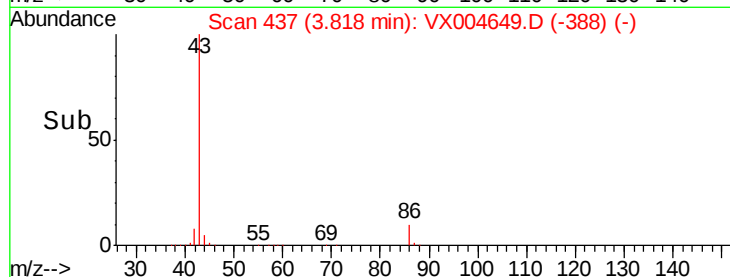
100000

50000

0

3.70 3.80 3.90 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 18.700 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX004649.D

Acq: 18 Sep 2018 11:22

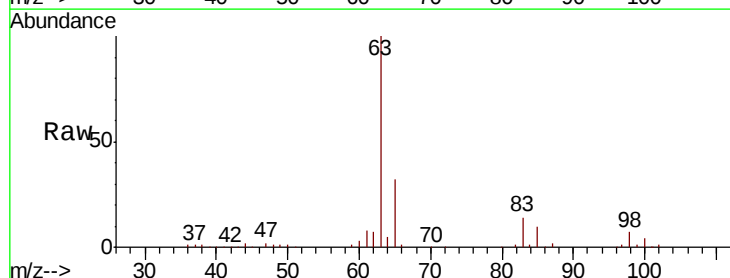
Tgt Ion: 63 Resp: 98993

Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.4

100 4.5 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

50000

40000

30000

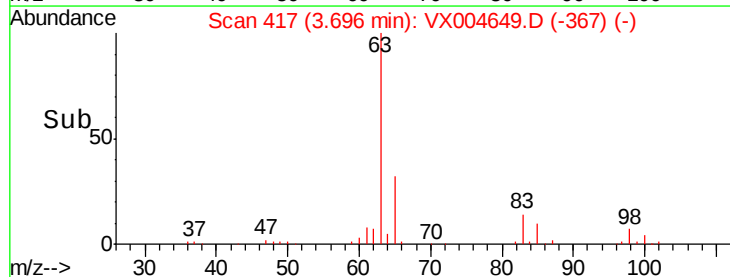
20000

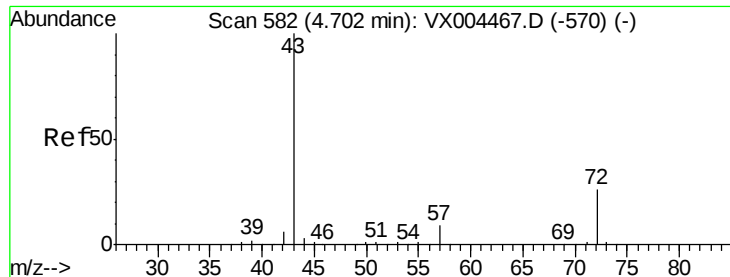
10000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 86.416 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX004649.D

Acq: 18 Sep 2018 11:22

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBS01

Tgt Ion: 43 Resp: 209764

Ion Ratio Lower Upper

43 100

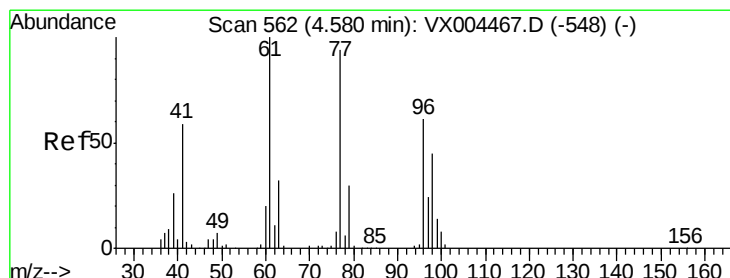
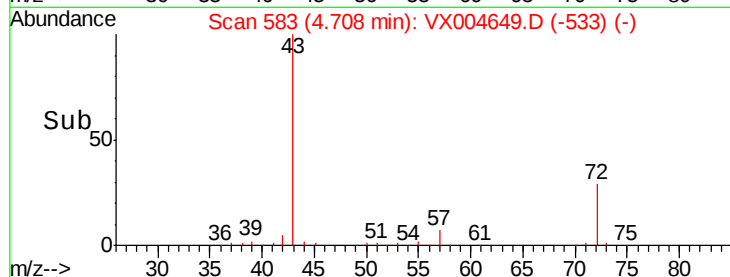
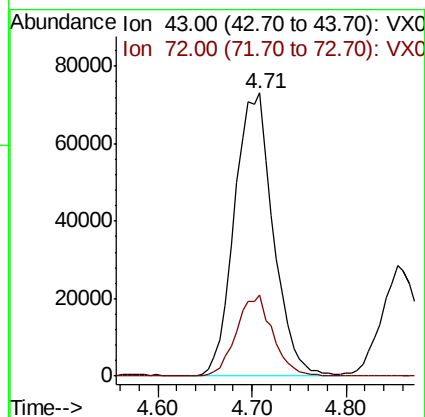
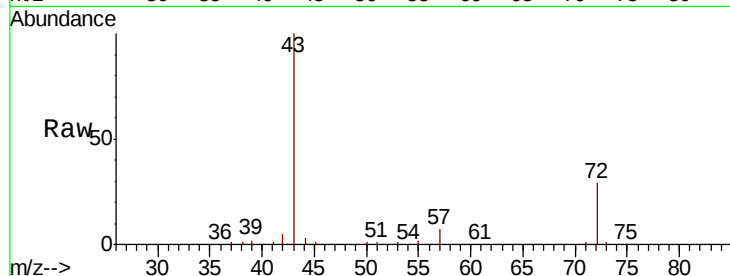
72 28.6 22.0 33.0

Manual Integrations

APPROVED

MMDadoda

9/19/2018 12:51:04 PM



#26

2,2-Dichloropropane

Concen: 19.878 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX004649.D

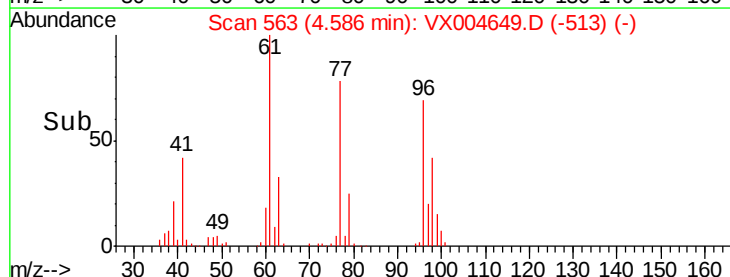
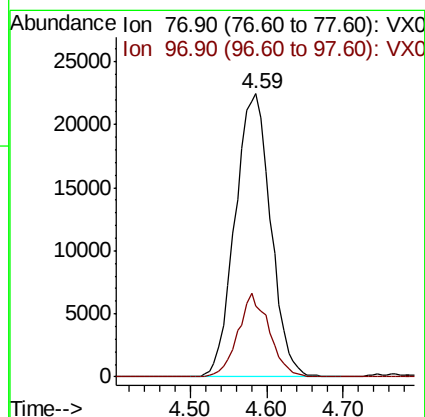
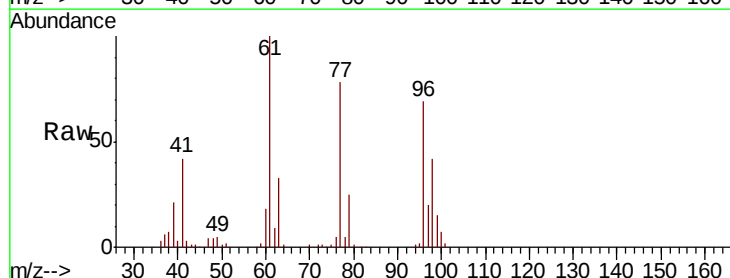
Acq: 18 Sep 2018 11:22

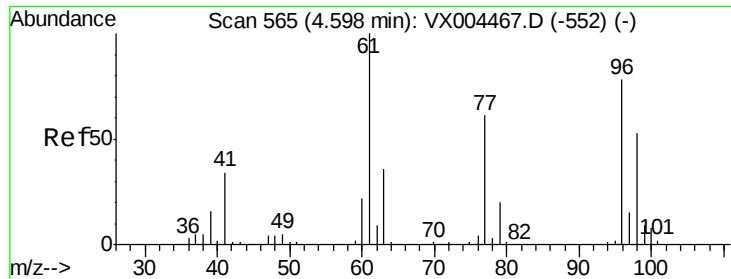
Tgt Ion: 77 Resp: 72275

Ion Ratio Lower Upper

77 100

97 26.0 11.7 35.0





#27

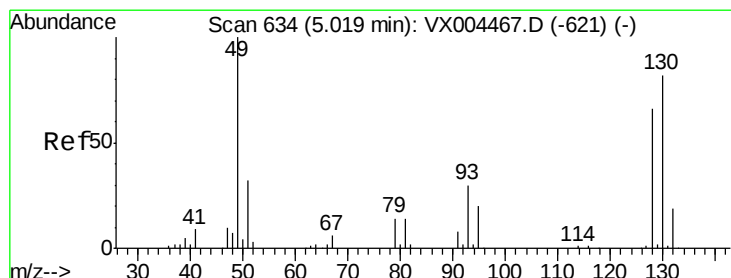
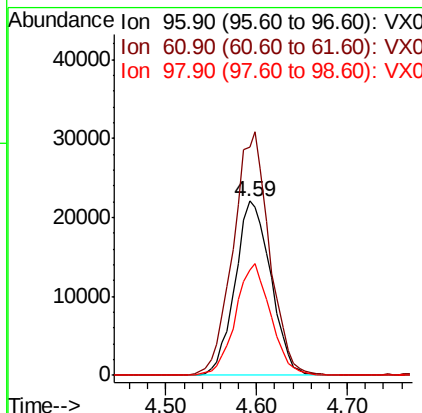
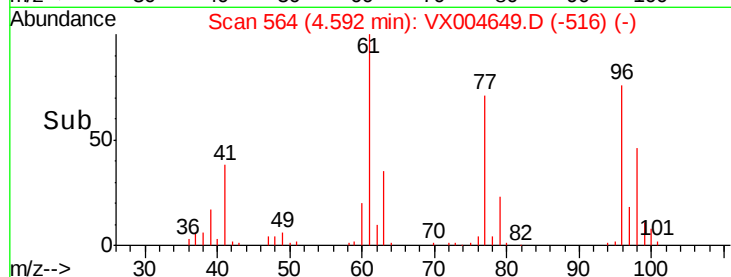
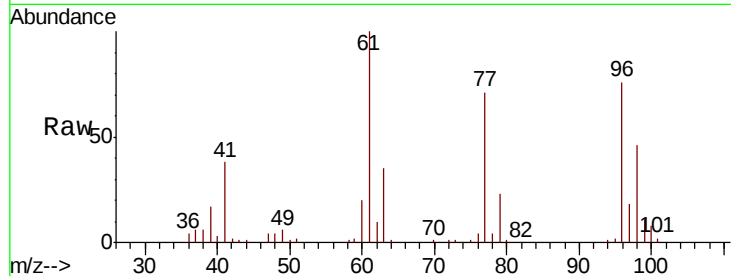
cis-1,2-Dichloroethene
Concen: 19.354 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX004649.D
Acq: 18 Sep 2018 11:22

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	60456		
61	141.7	0.0	282.6	
98	63.0	0.0	130.2	

Manual Integrations
APPROVED

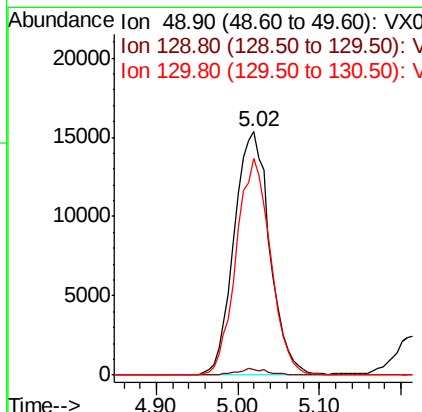
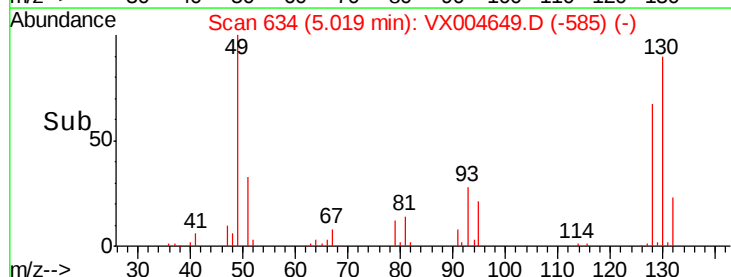
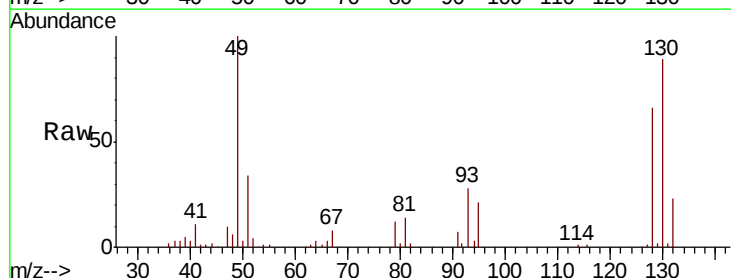
MMDadoda
9/19/2018 12:51:04 PM

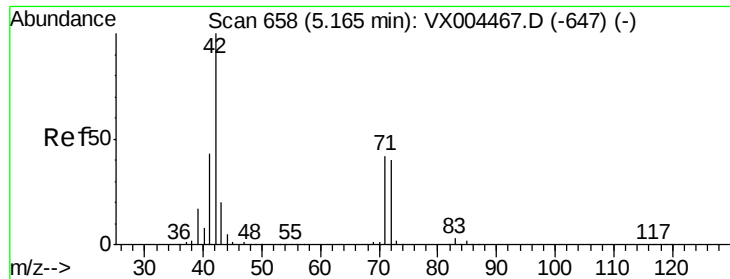


#28

Bromochloromethane
Concen: 19.265 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX004649.D
Acq: 18 Sep 2018 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	46649		
129	2.2	0.0	4.2	
130	85.4	67.5	101.3	





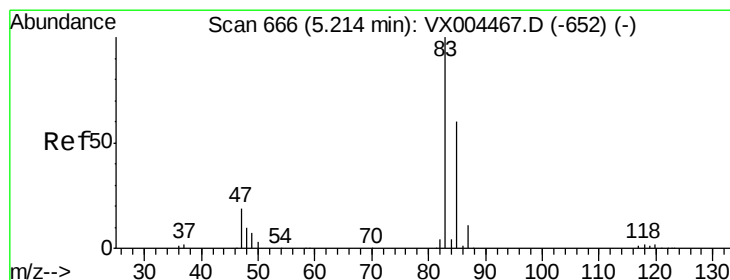
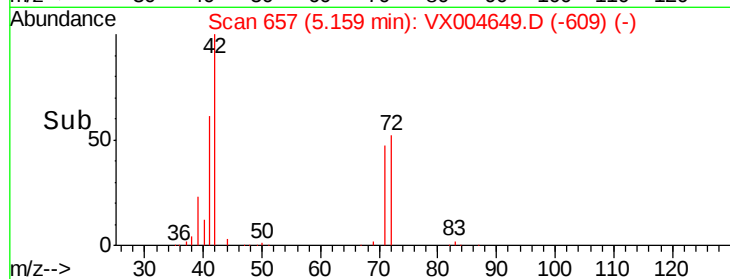
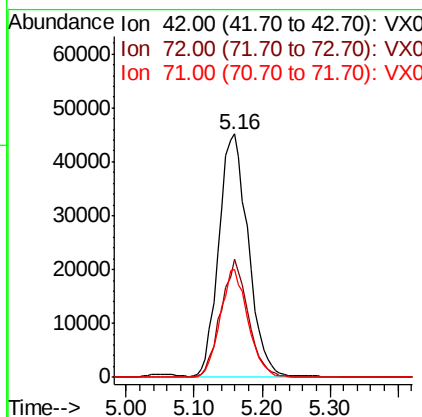
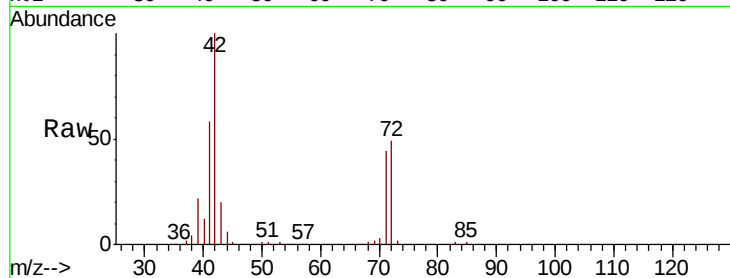
#29
Tetrahydrofuran
Concen: 92.234 ug/l
RT: 5.16 min Scan# 657
Delta R.T. -0.01 min
Lab File: VX004649.D
Acq: 18 Sep 2018 11:22

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Tgt Ion:	42	Resp:	135016
Ion Ratio		Lower	Upper
42	100		
72	45.3	37.4	56.0
71	42.2	34.5	51.7

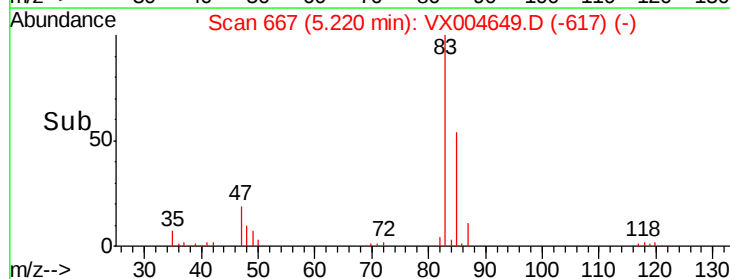
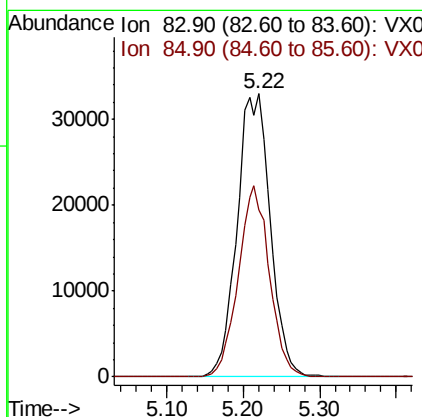
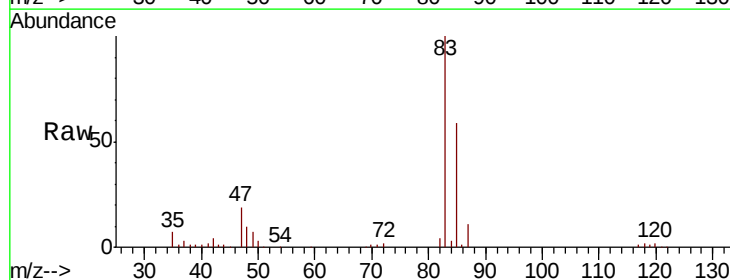
Manual Integrations
APPROVED

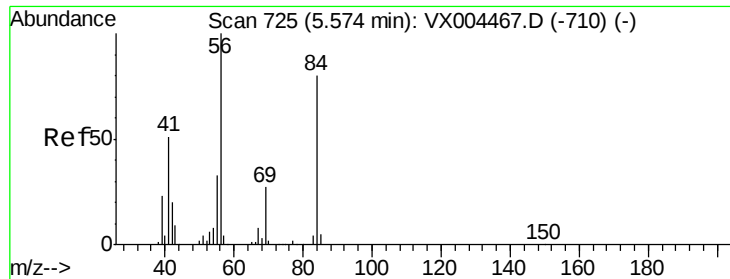
MMDadoda
9/19/2018 12:51:04 PM



#30
Chloroform
Concen: 19.207 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX004649.D
Acq: 18 Sep 2018 11:22

Tgt Ion:	83	Resp:	99268
Ion Ratio		Lower	Upper
83	100		
85	58.8	52.6	79.0





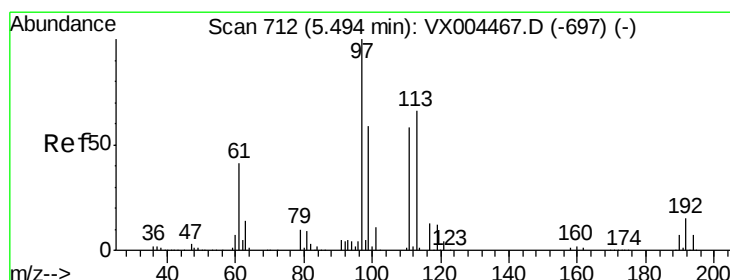
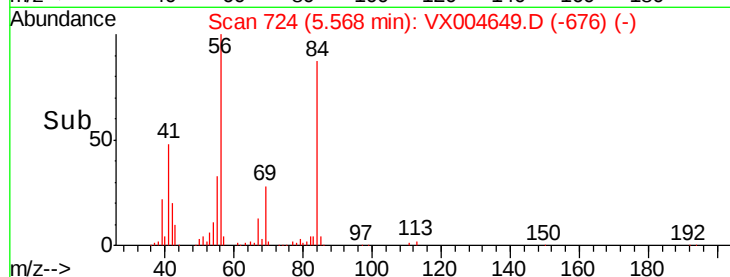
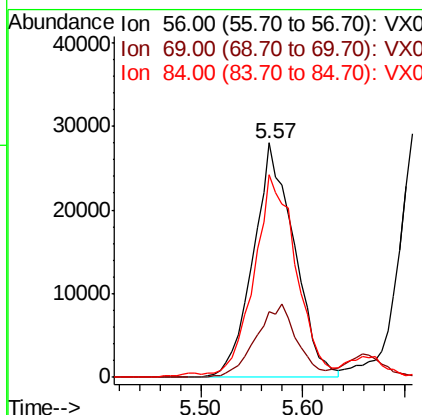
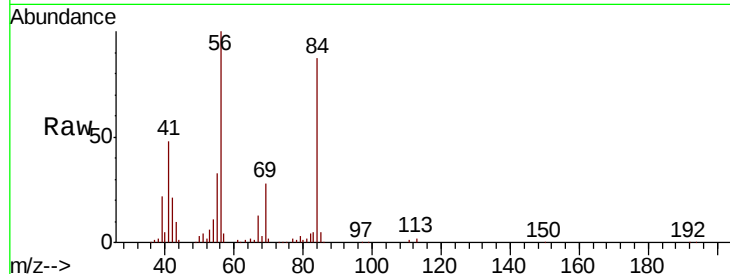
#31
Cyclohexane
Concen: 17.320 ug/l
RT: 5.57 min Scan# 724
Delta R.T. -0.01 min
Lab File: VX004649.D
Acq: 18 Sep 2018 11:22

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	28.1	25.4	38.2
84	85.1	71.4	107.2

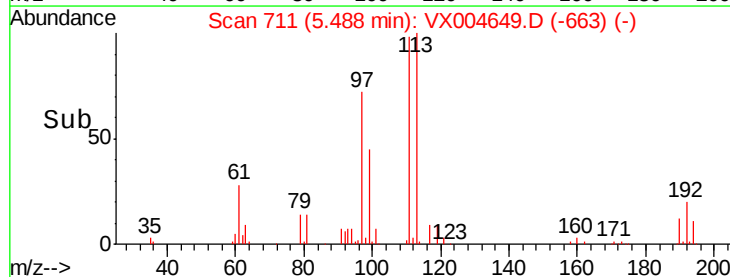
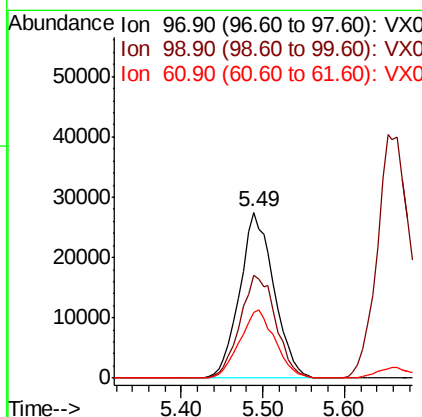
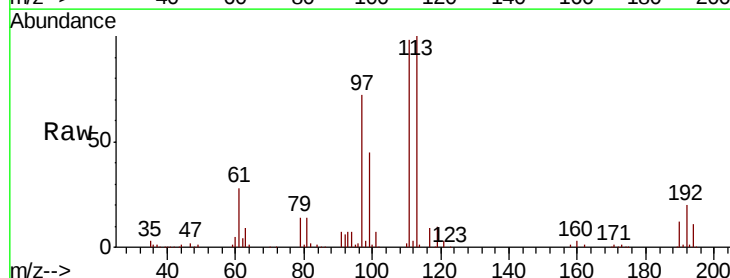
Manual Integrations
APPROVED

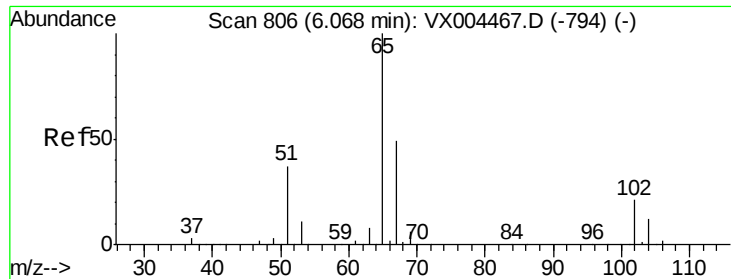
MMDadoda
9/19/2018 12:51:04 PM



#32
1,1,1-Trichloroethane
Concen: 19.239 ug/l
RT: 5.49 min Scan# 711
Delta R.T. -0.01 min
Lab File: VX004649.D
Acq: 18 Sep 2018 11:22

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	52.0	78.0
61	42.3	34.9	52.3





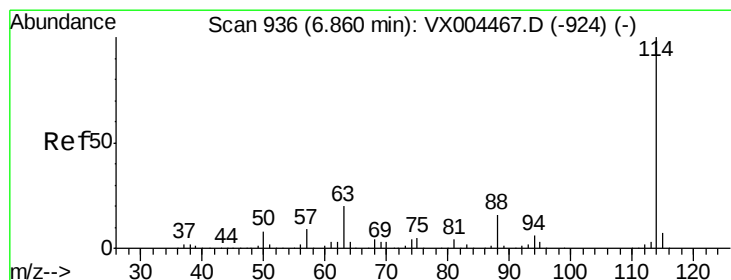
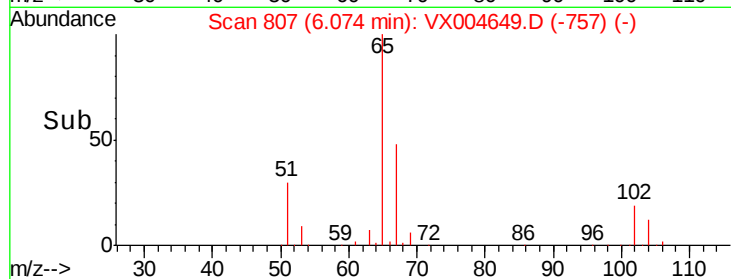
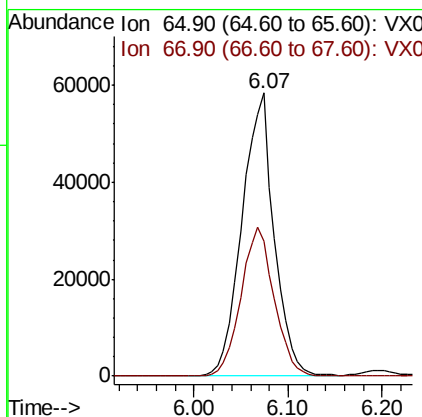
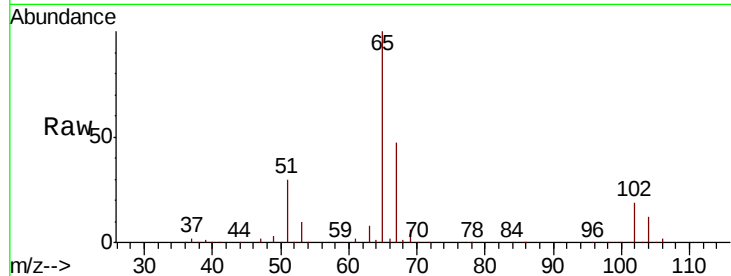
#33
 1,2-Dichloroethane-d4
 Concen: 44.540 ug/l
 RT: 6.07 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX004649.D
 Acq: 18 Sep 2018 11:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBS01

Tgt Ion: 65 Resp: 139184
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 106.8

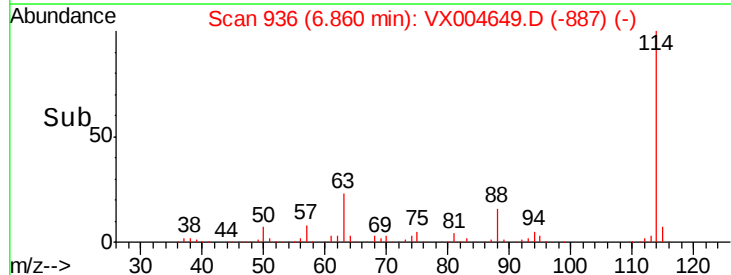
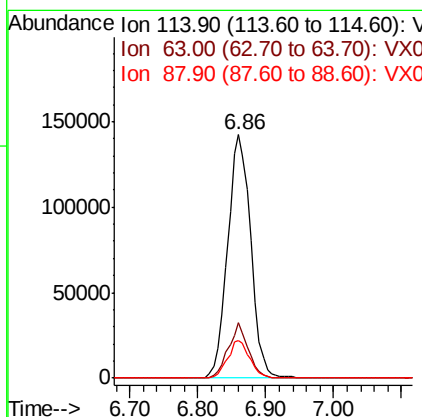
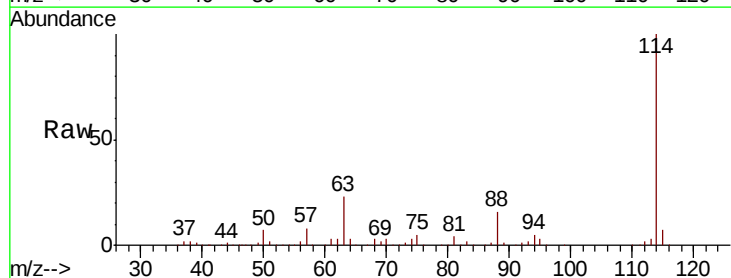
Manual Integrations
 APPROVED

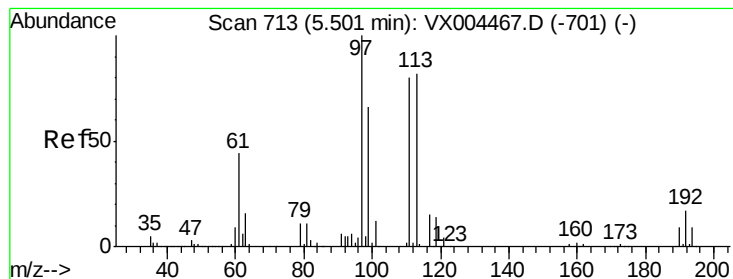
MMDadoda
 9/19/2018 12:51:04 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004649.D
 Acq: 18 Sep 2018 11:22

Tgt Ion: 114 Resp: 334359
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 39.0
 88 15.5 0.0 30.4





#35

Dibromofluoromethane

Concen: 43.965 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX004649.D

Acq: 18 Sep 2018 11:22

Instrument :

MSVOA_X

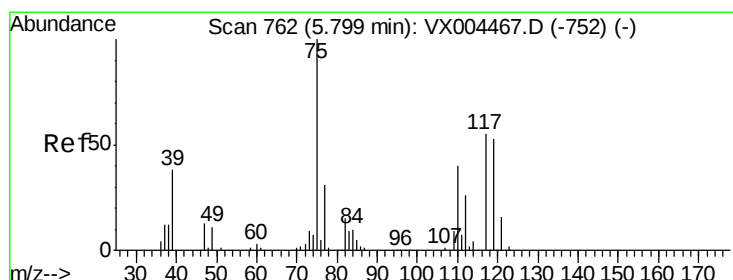
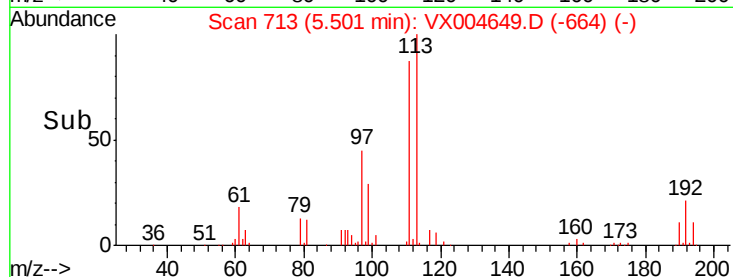
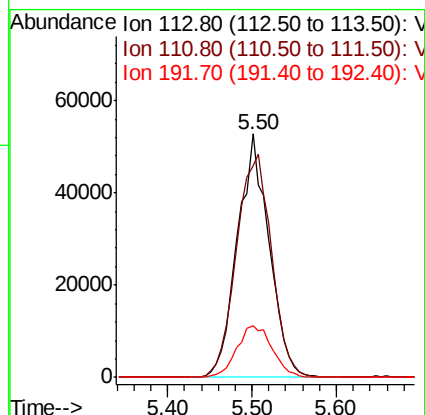
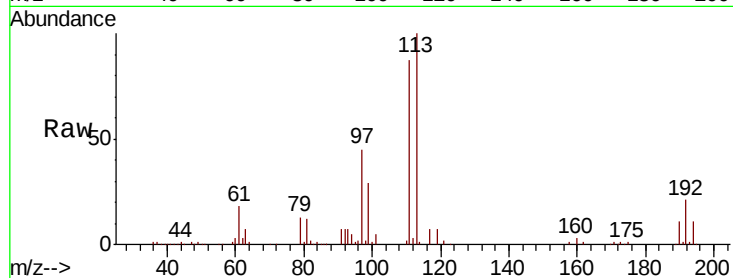
ClientSampleId :

VX0918WBS01

Tgt Ion:	113	Resp:	134518
Ion Ratio	Lower	Upper	
113	100		
111	101.6	82.4	123.6
192	23.5	19.4	29.2

Manual Integrations
APPROVED

MMDadoda
9/19/2018 12:51:04 PM



#36

1,1-Dichloropropene

Concen: 16.547 ug/l

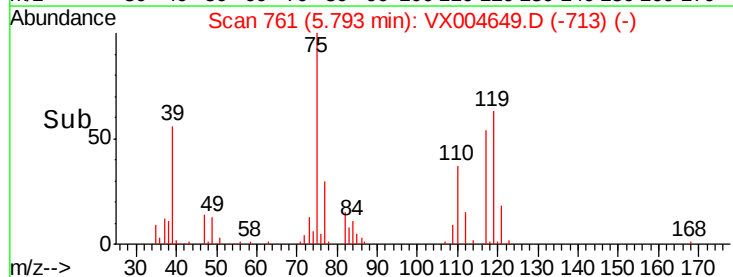
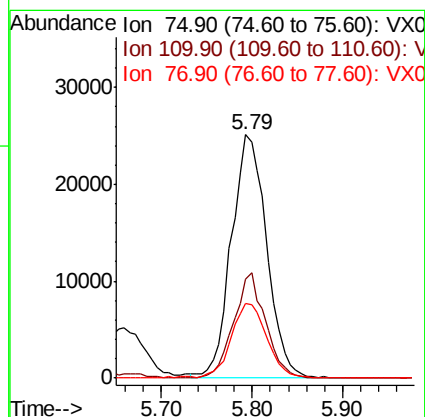
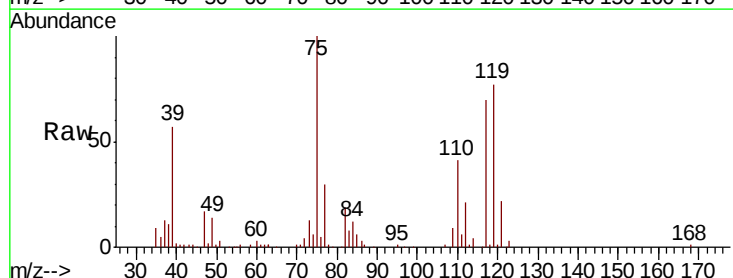
RT: 5.79 min Scan# 761

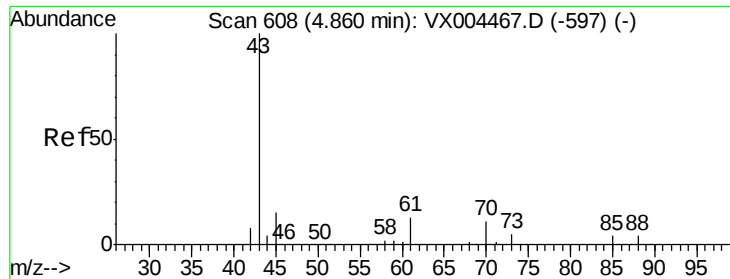
Delta R.T. -0.01 min

Lab File: VX004649.D

Acq: 18 Sep 2018 11:22

Tgt Ion:	75	Resp:	67171
Ion Ratio	Lower	Upper	
75	100		
110	39.0	18.0	54.0
77	31.0	24.6	36.8





#37

Ethyl Acetate

Concen: 17.445 ug/l

RT: 4.85 min Scan# 607

Delta R.T. -0.01 min

Lab File: VX004649.D

Acq: 18 Sep 2018 11:22

Instrument :

MSVOA_X

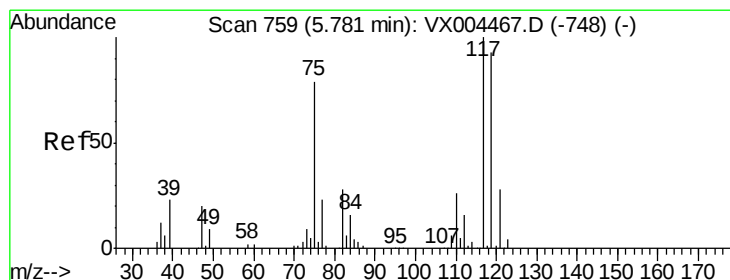
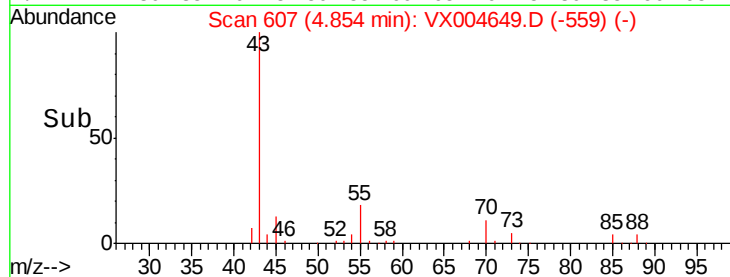
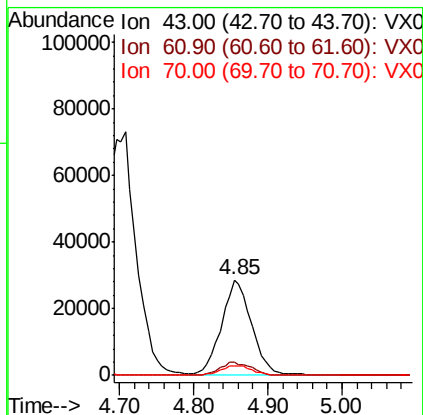
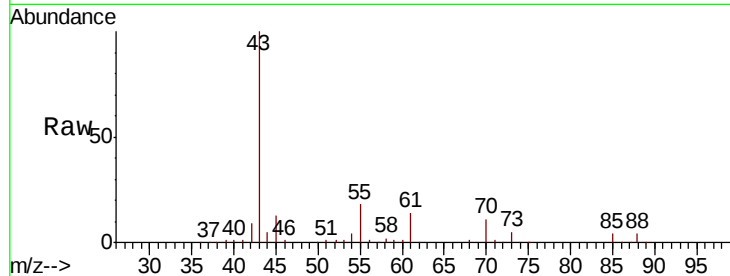
ClientSampleId :

VX0918WBS01

Tgt Ion:	43	Resp:	80539
Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.5	17.3
70	10.7	9.0	13.6

Manual Integrations
APPROVED

MMDadoda
9/19/2018 12:51:04 PM



#38

Carbon Tetrachloride

Concen: 17.082 ug/l

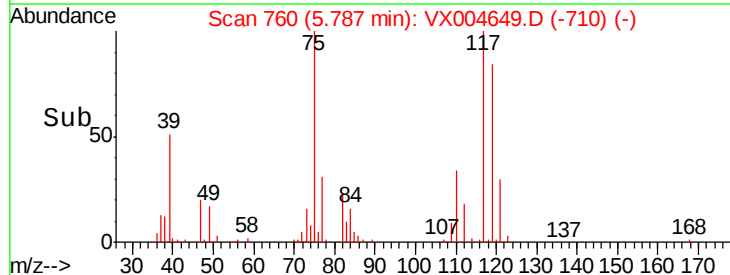
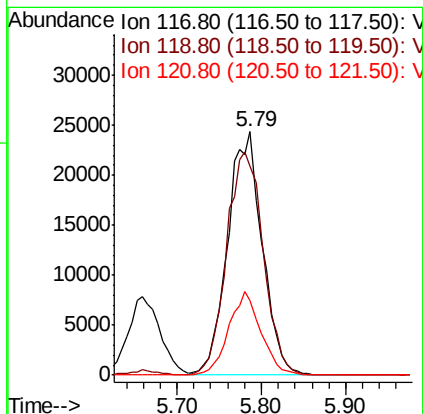
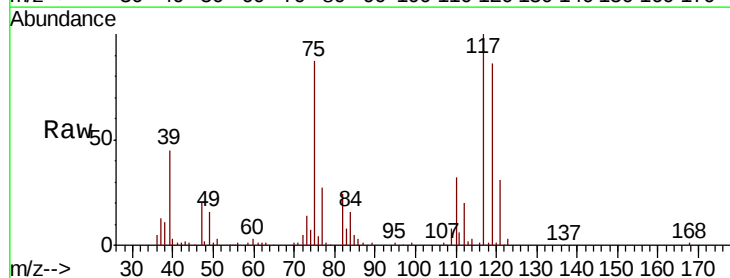
RT: 5.79 min Scan# 760

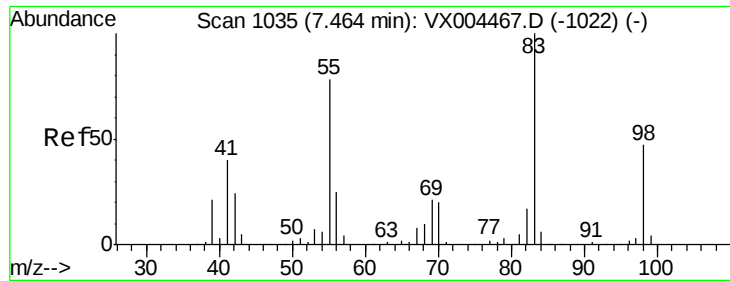
Delta R.T. 0.01 min

Lab File: VX004649.D

Acq: 18 Sep 2018 11:22

Tgt Ion:	117	Resp:	67728
Ion	Ratio	Lower	Upper
117	100		
119	86.1	78.8	118.2
121	30.9	24.9	37.3





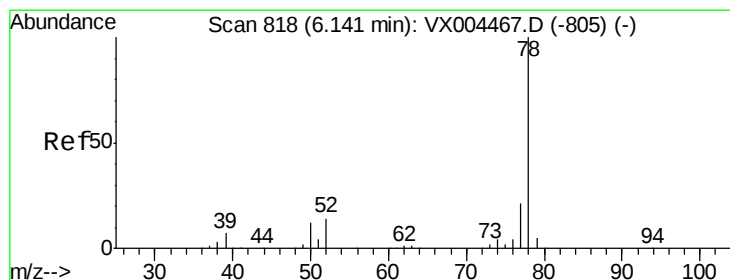
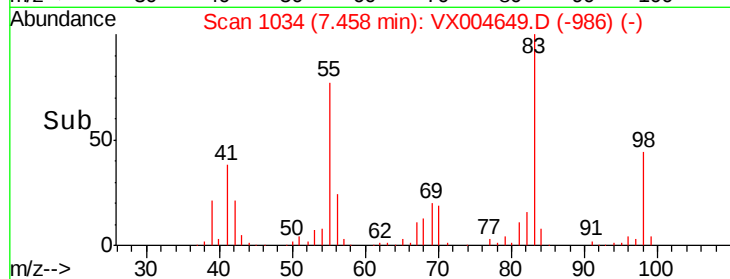
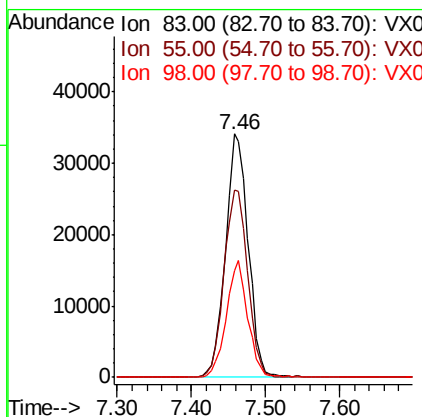
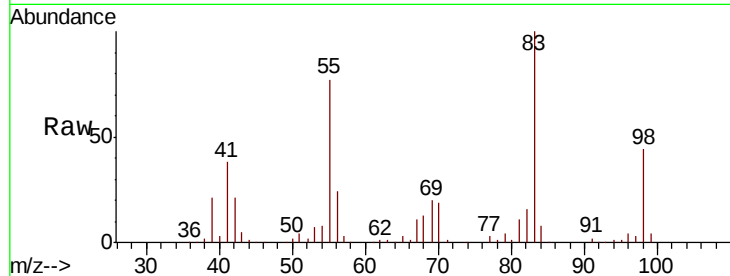
#39
Methylcyclohexane
Concen: 17.166 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX004649.D
Acq: 18 Sep 2018 11:22

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	76.9	61.0	91.4
98	43.6	39.6	59.4

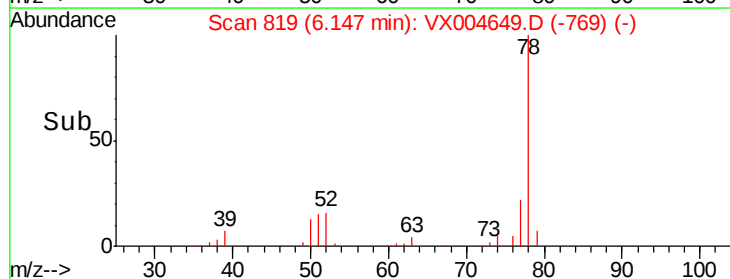
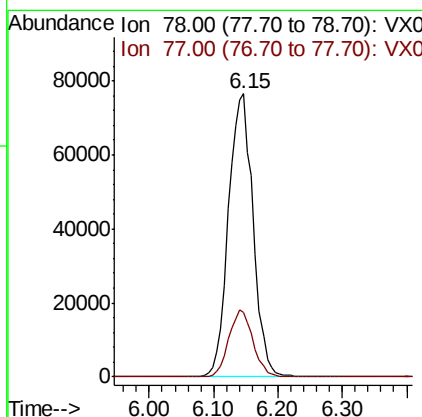
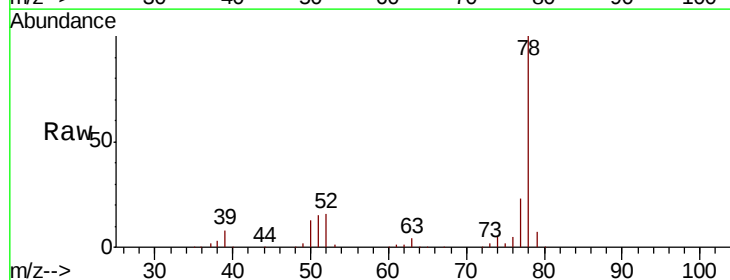
Manual Integrations
APPROVED

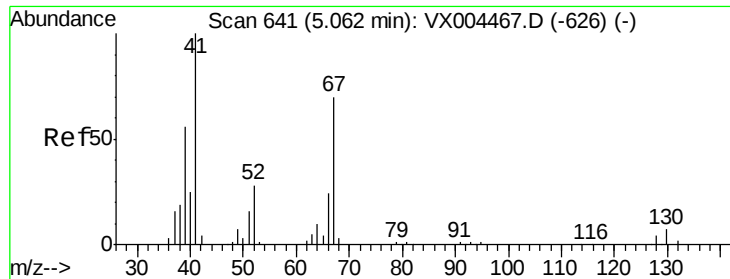
MMDadoda
9/19/2018 12:51:04 PM



#40
Benzene
Concen: 17.023 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX004649.D
Acq: 18 Sep 2018 11:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.0	28.4





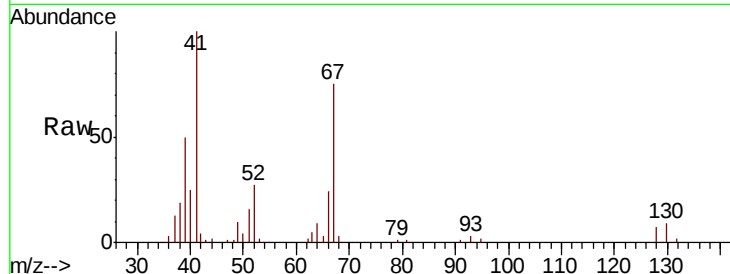
#41
Methacrylonitrile
Concen: 17.307 ug/l
RT: 5.06 min Scan# 641
Delta R.T. -0.00 min
Lab File: VX004649.D
Acq: 18 Sep 2018 11:22

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

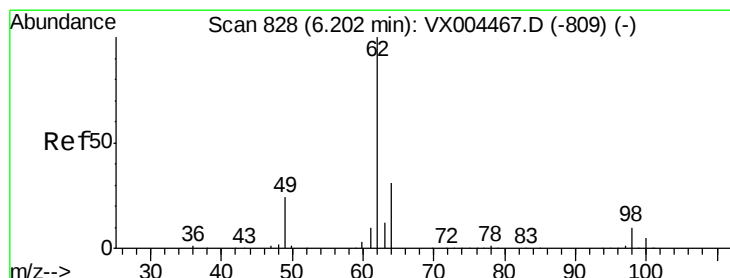
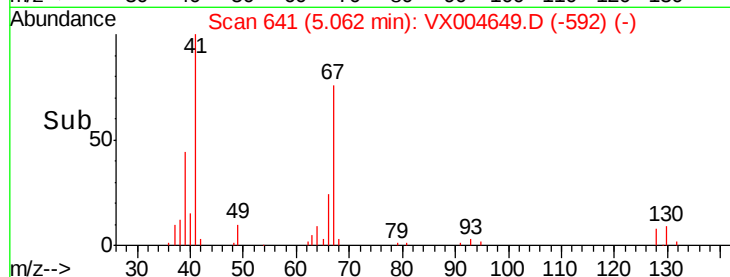
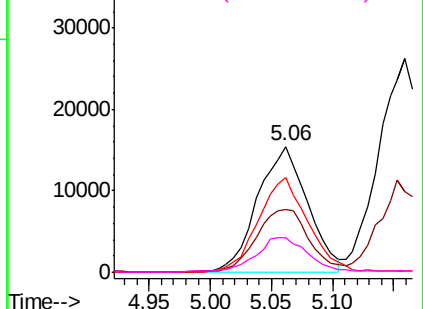
Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.4	42.4	63.6	
67	75.5	59.2	88.8	
52	30.0	23.0	34.4	

Manual Integrations
APPROVED

MMDadoda
9/19/2018 12:51:04 PM

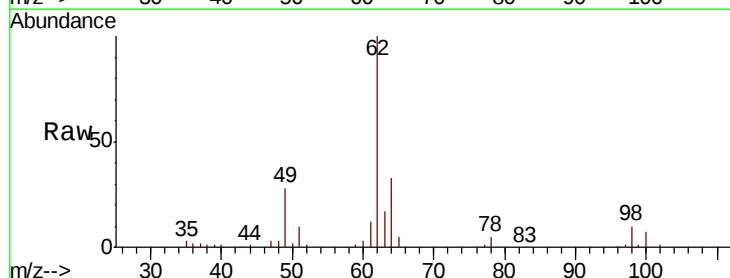


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

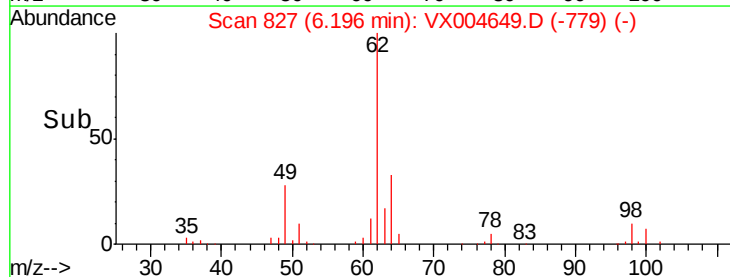
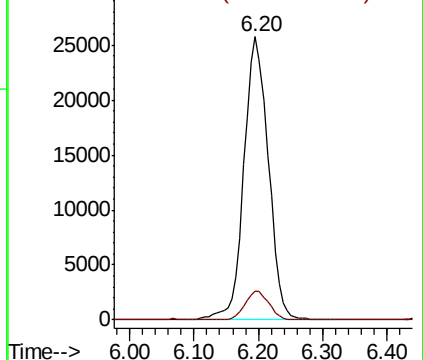


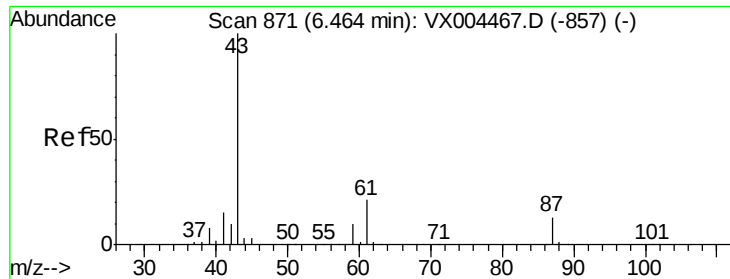
#42
1,2-Dichloroethane
Concen: 16.751 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.01 min
Lab File: VX004649.D
Acq: 18 Sep 2018 11:22

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.9	0.0	20.6	



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

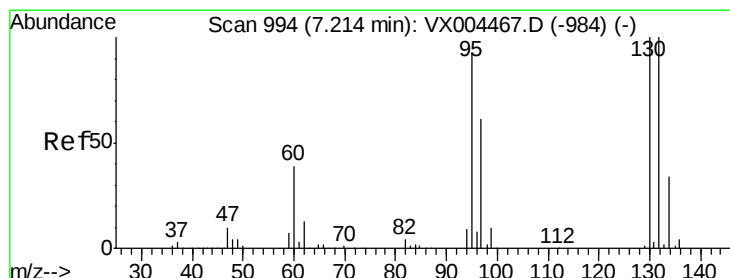
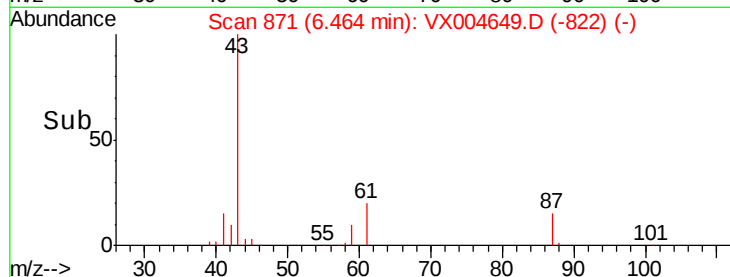
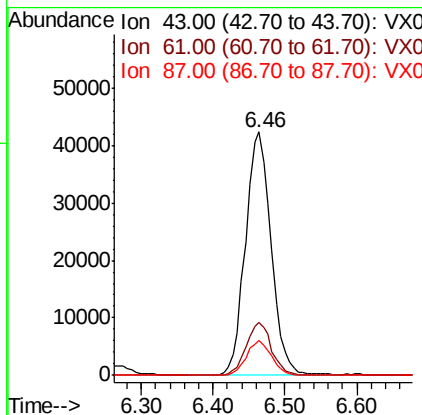
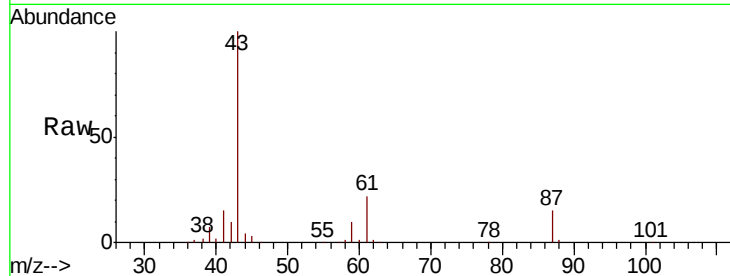
Isopropyl Acetate
 Concen: 17.058 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. -0.00 min
 Lab File: VX004649.D
 Acq: 18 Sep 2018 11:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	21.5	17.0	25.4
87	14.1	11.4	17.2

Manual Integrations
 APPROVED

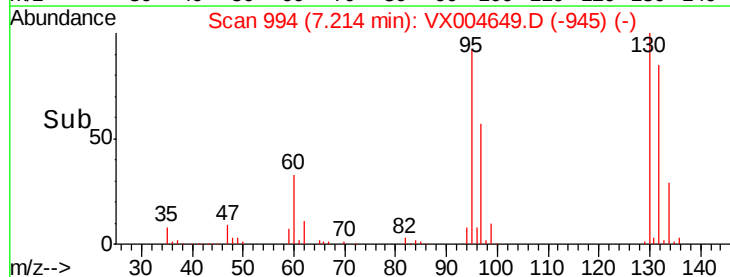
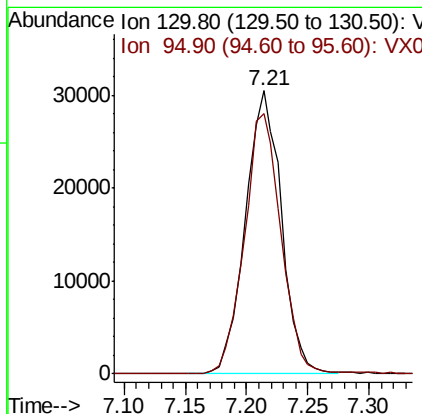
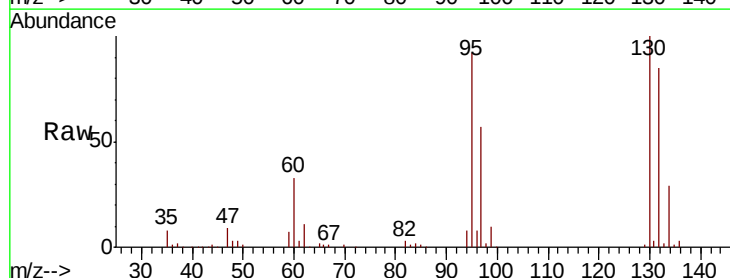
MMDadoda
 9/19/2018 12:51:04 PM

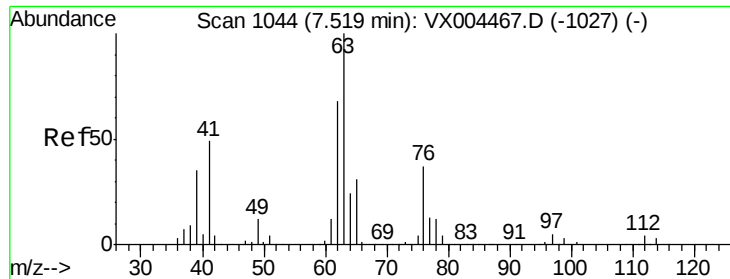


#44

Trichloroethene
 Concen: 19.960 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX004649.D
 Acq: 18 Sep 2018 11:22

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.9	0.0	181.6





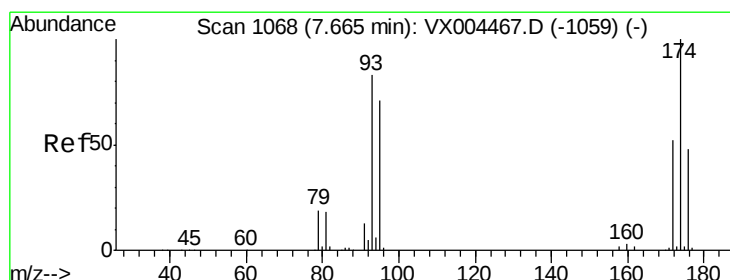
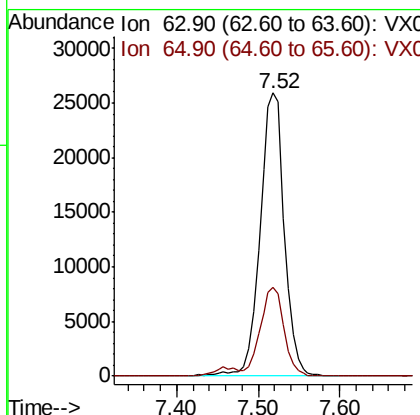
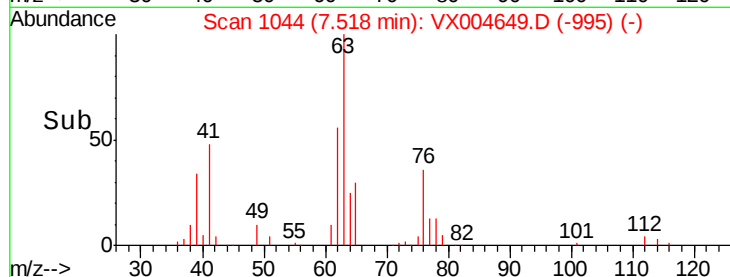
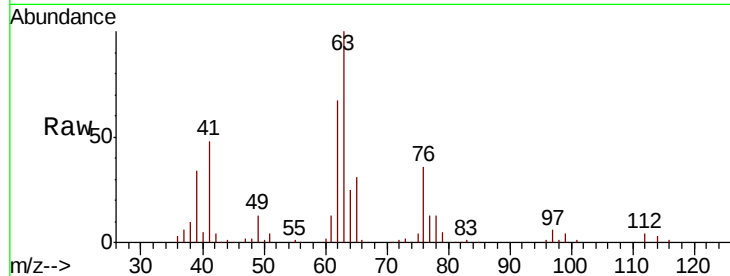
#45
 1,2-Dichloropropane
 Concen: 18.541 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX004649.D
 Acq: 18 Sep 2018 11:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBS01

Tgt Ion: 63 Resp: 53735
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.3 36.5

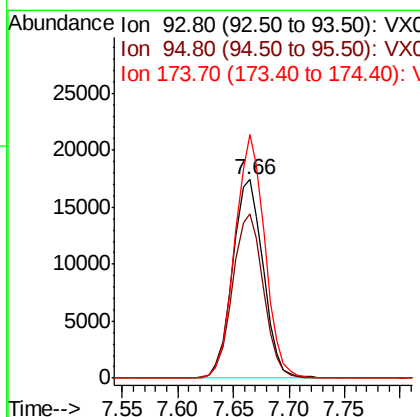
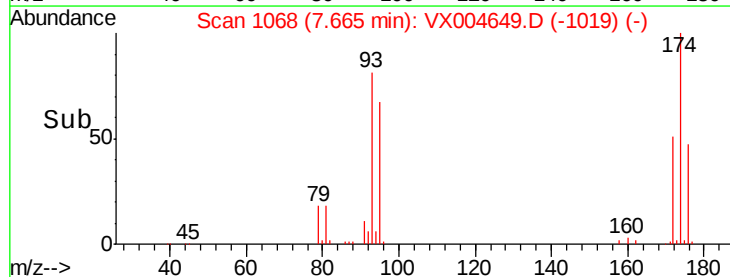
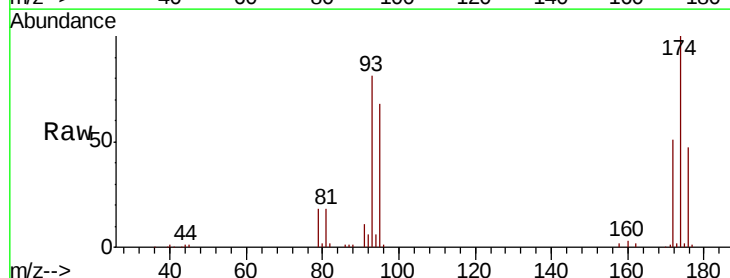
Manual Integrations
 APPROVED

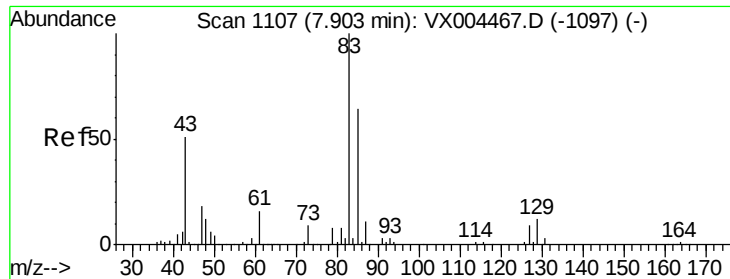
MMDadoda
 9/19/2018 12:51:04 PM



#46
 Dibromomethane
 Concen: 18.084 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VX004649.D
 Acq: 18 Sep 2018 11:22

Tgt Ion: 93 Resp: 33109
 Ion Ratio Lower Upper
 93 100
 95 83.7 65.5 98.3
 174 119.4 94.2 141.4





#47

Bromodichloromethane

Concen: 17.998 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VX004649.D

Acq: 18 Sep 2018 11:22

Instrument :

MSVOA_X

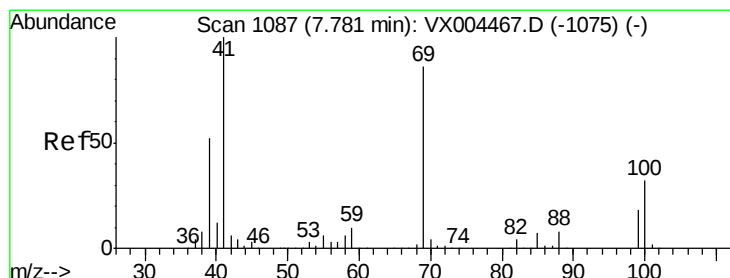
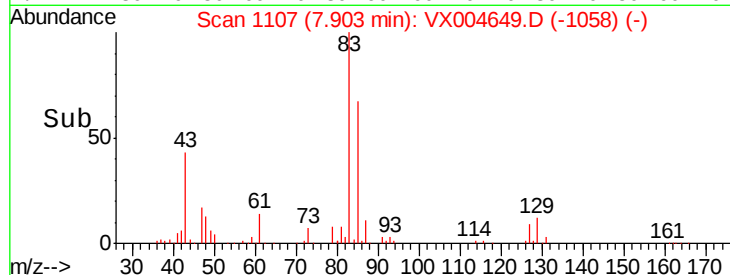
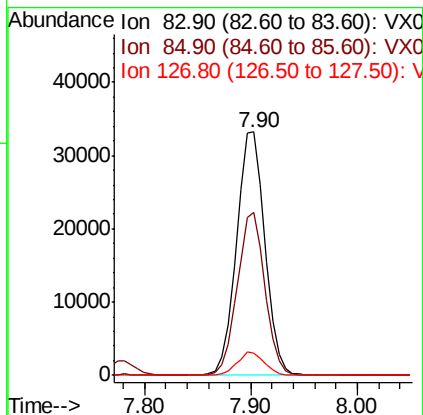
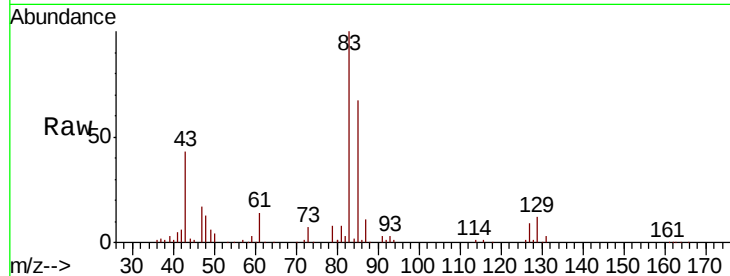
ClientSampleId :

VX0918WBS01

Tgt Ion:	83	Resp:	62317
Ion	Ratio	Lower	Upper
83	100		
85	66.7	50.9	76.3
127	9.1	7.3	10.9

Manual Integrations
APPROVED

MMDadoda
9/19/2018 12:51:04 PM



#48

Methyl methacrylate

Concen: 18.297 ug/l

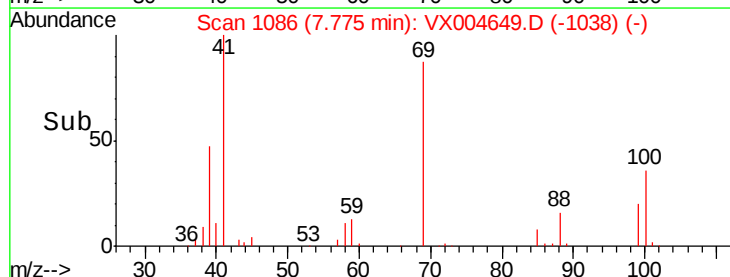
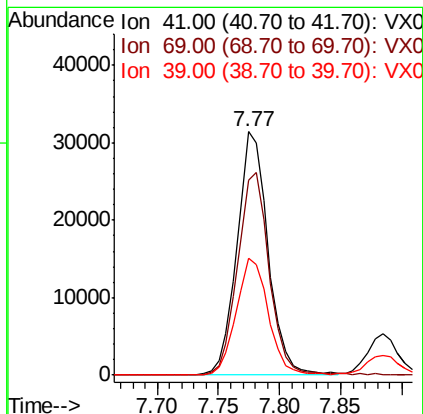
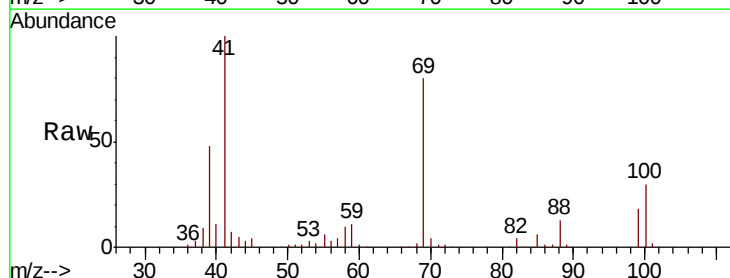
RT: 7.77 min Scan# 1086

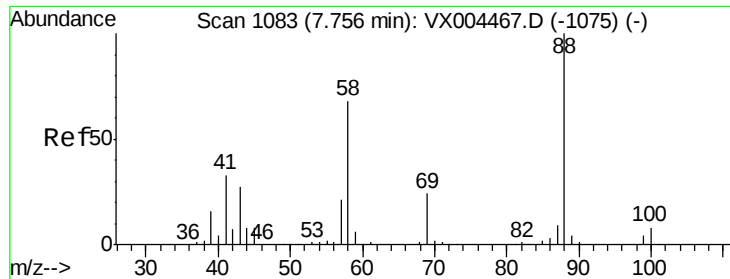
Delta R.T. -0.01 min

Lab File: VX004649.D

Acq: 18 Sep 2018 11:22

Tgt Ion:	41	Resp:	55527
Ion	Ratio	Lower	Upper
41	100		
69	84.5	70.2	105.4
39	49.5	42.7	64.1





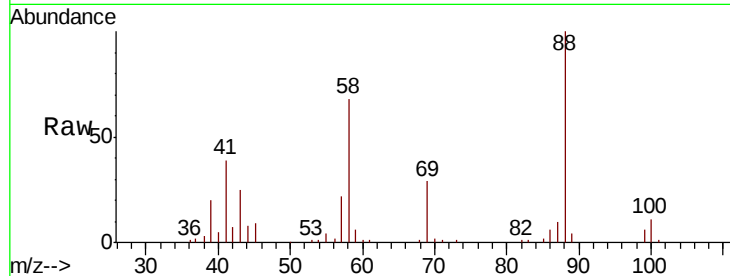
#49
1,4-Dioxane
Concen: 378.469 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX004649.D
Acq: 18 Sep 2018 11:22

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

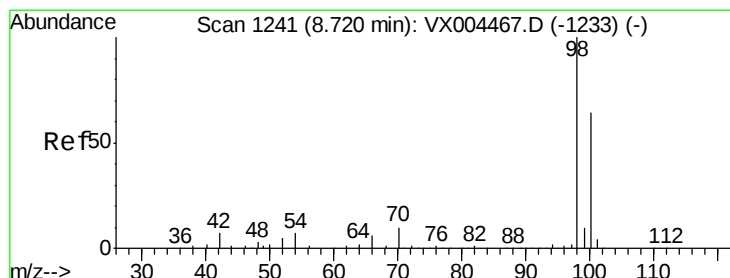
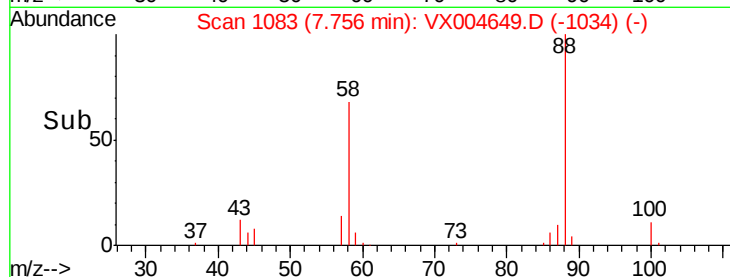
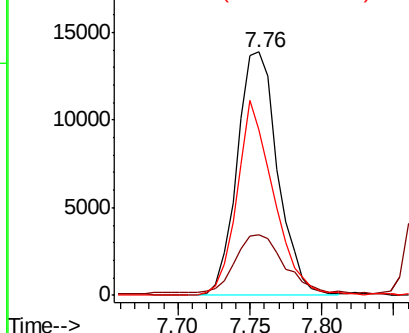
Tgt Ion	Ratio	Lower	Upper
88	100		
43	29.4	24.7	37.1
58	72.4	55.3	82.9

Manual Integrations
APPROVED

MMDadoda
9/19/2018 12:51:04 PM

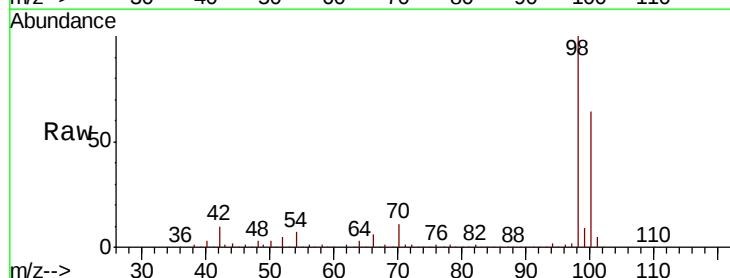


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

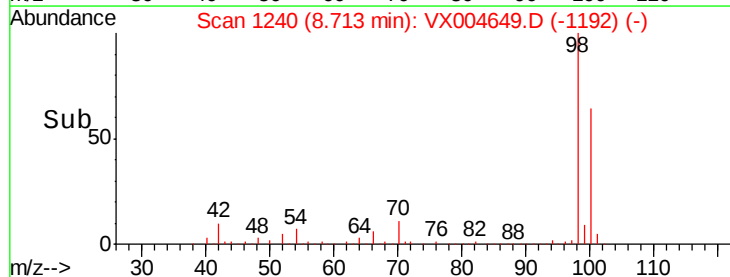
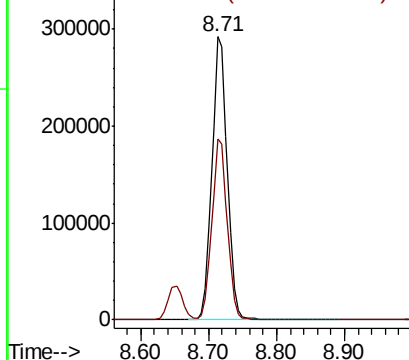


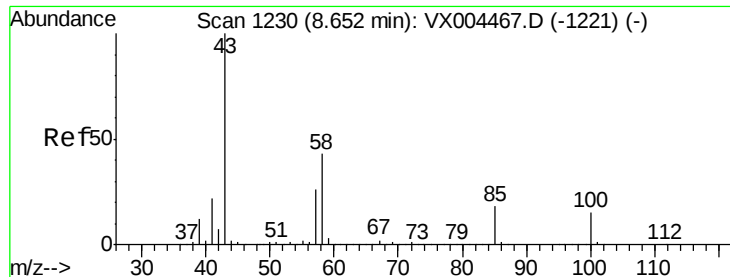
#50
Toluene-d8
Concen: 44.478 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VX004649.D
Acq: 18 Sep 2018 11:22

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	52.9	79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





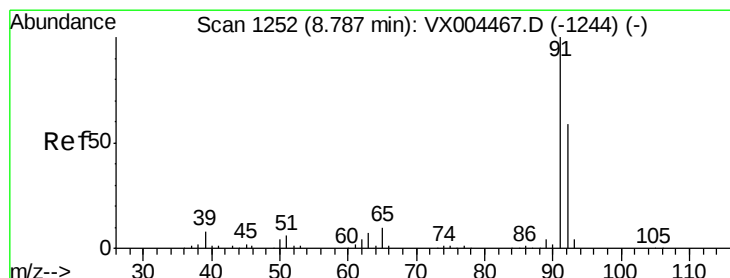
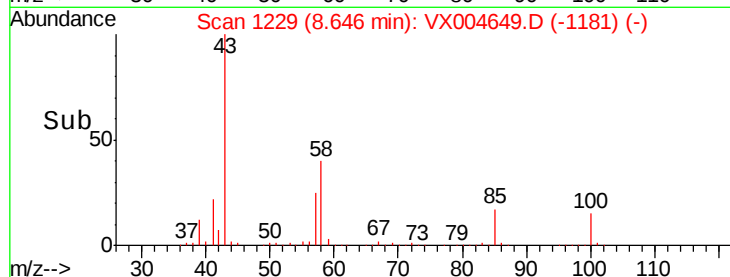
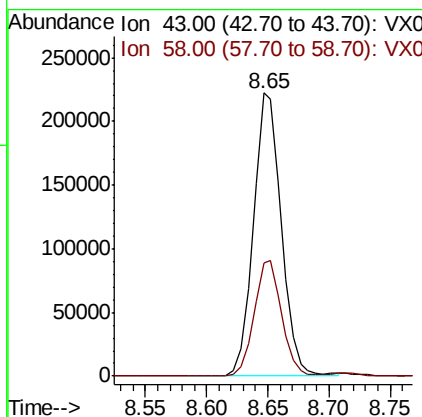
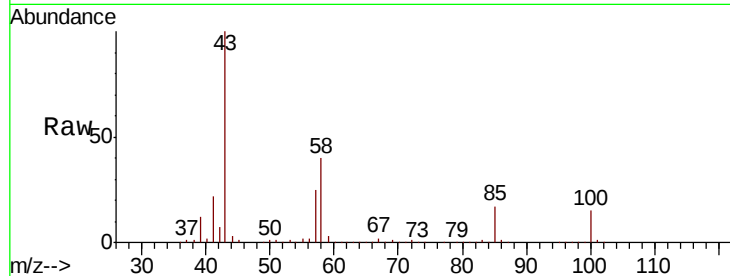
#51
 4-Methyl-2-Pentanone
 Concen: 81.737 ug/l
 RT: 8.65 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VX004649.D
 Acq: 18 Sep 2018 11:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBS01

Tgt Ion: 43 Resp: 353706
 Ion Ratio Lower Upper
 43 100
 58 40.2 33.1 49.7

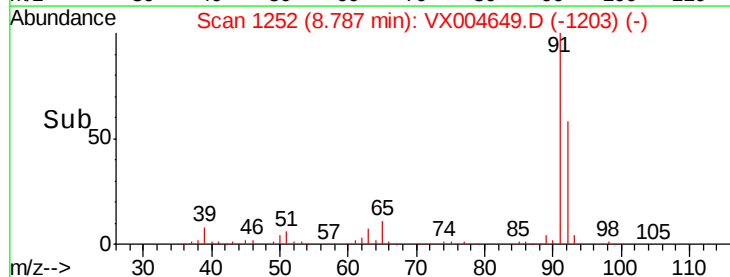
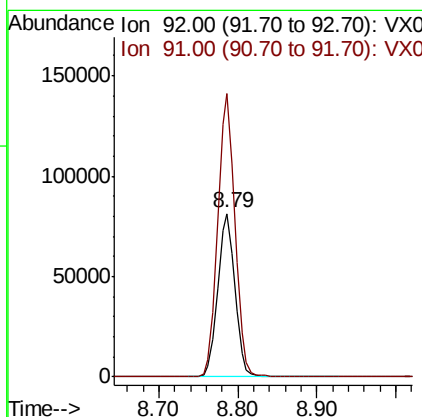
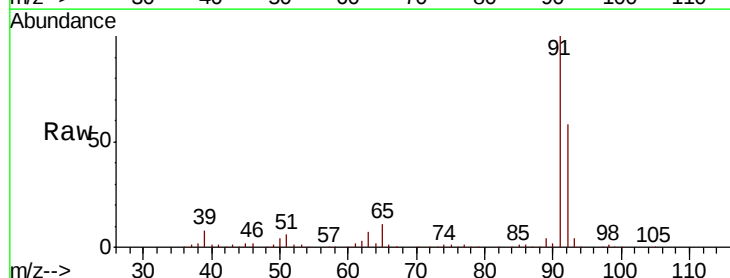
Manual Integrations
 APPROVED

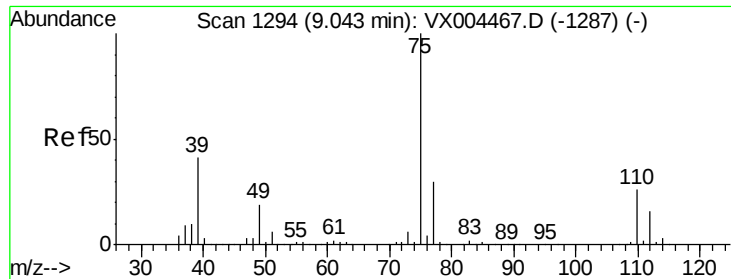
MMDadoda
 9/19/2018 12:51:04 PM



#52
 Toluene
 Concen: 17.439 ug/l
 RT: 8.79 min Scan# 1252
 Delta R.T. -0.00 min
 Lab File: VX004649.D
 Acq: 18 Sep 2018 11:22

Tgt Ion: 92 Resp: 123751
 Ion Ratio Lower Upper
 92 100
 91 173.8 136.4 204.6





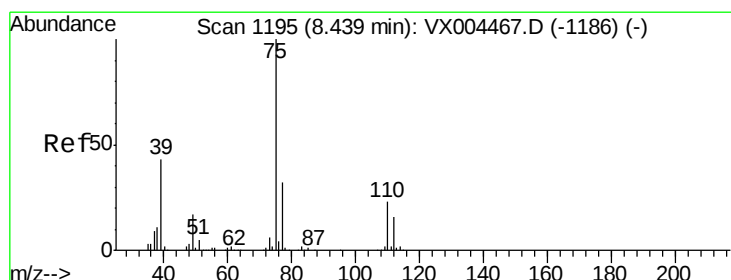
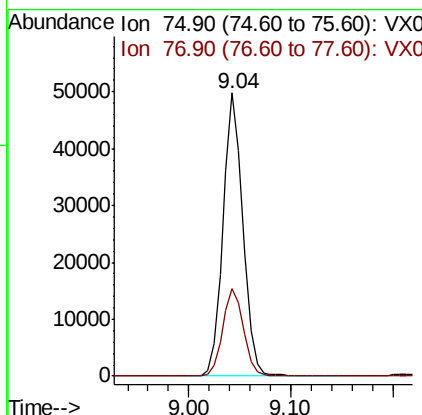
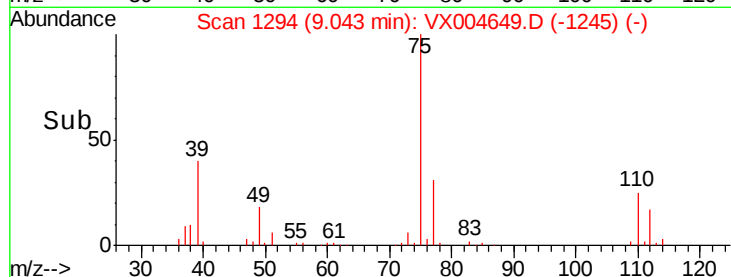
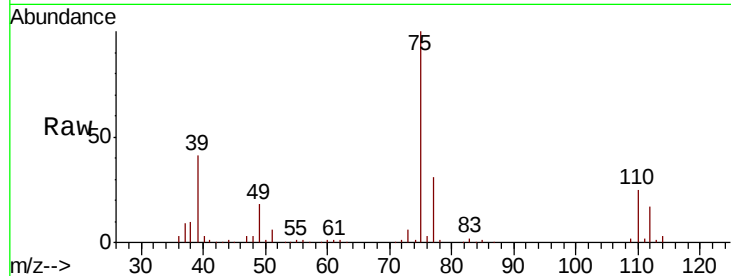
#53
t-1,3-Dichloropropene
Concen: 16.634 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX004649.D
Acq: 18 Sep 2018 11:22

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Tgt Ion: 75 Resp: 67276
Ion Ratio Lower Upper
75 100
77 30.6 24.6 37.0

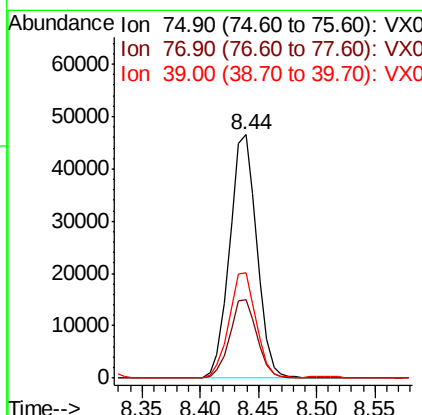
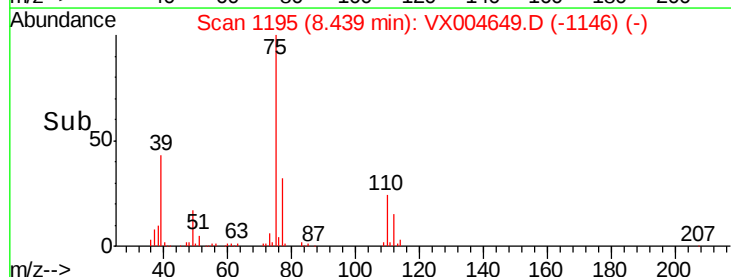
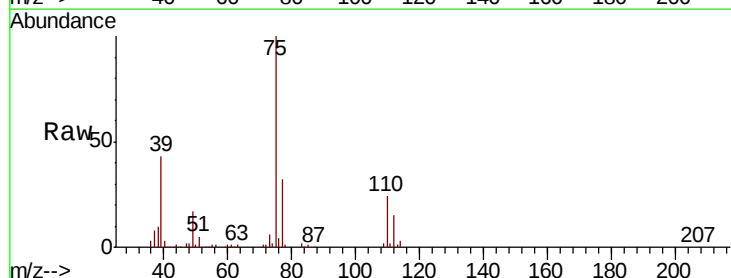
Manual Integrations
APPROVED

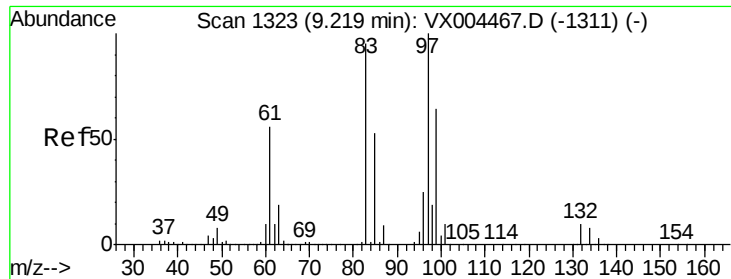
MMDadoda
9/19/2018 12:51:04 PM



#54
cis-1,3-Dichloropropene
Concen: 18.292 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. -0.00 min
Lab File: VX004649.D
Acq: 18 Sep 2018 11:22

Tgt Ion: 75 Resp: 75420
Ion Ratio Lower Upper
75 100
77 32.2 26.2 39.2
39 43.3 36.4 54.6





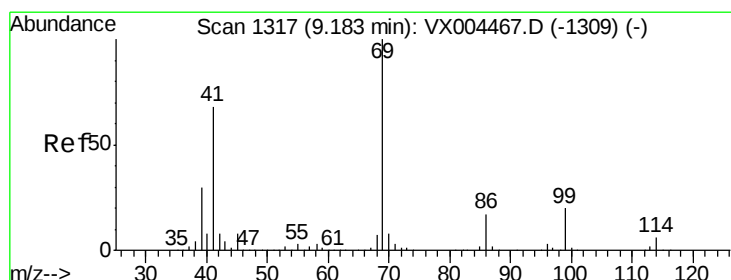
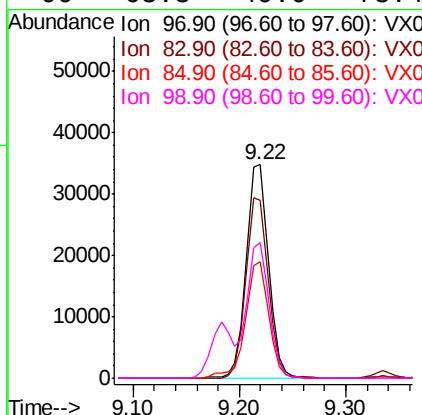
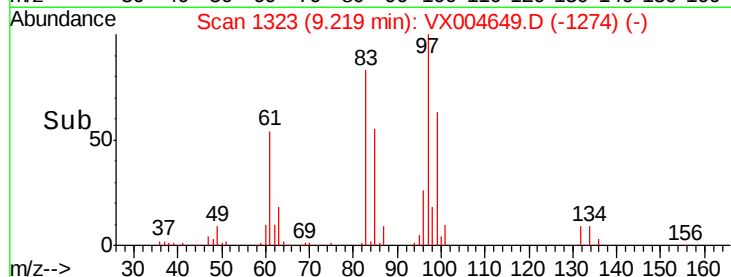
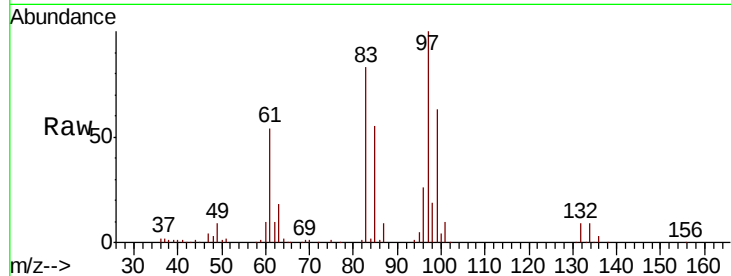
#55
 1,1,2-Trichloroethane
 Concen: 16.954 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VX004649.D
 Acq: 18 Sep 2018 11:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBS01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		51800		
83	83.1	66.4	99.6		
85	54.7	43.3	64.9		
99	63.3	49.0	73.4		

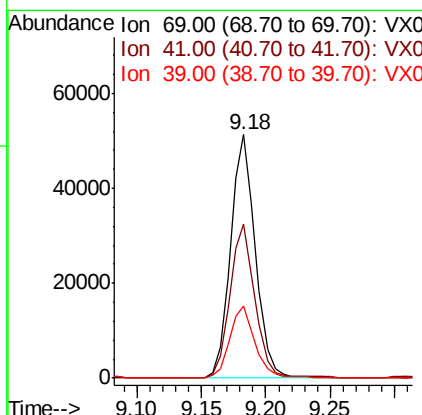
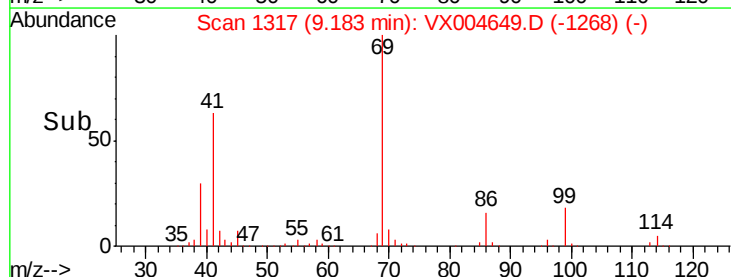
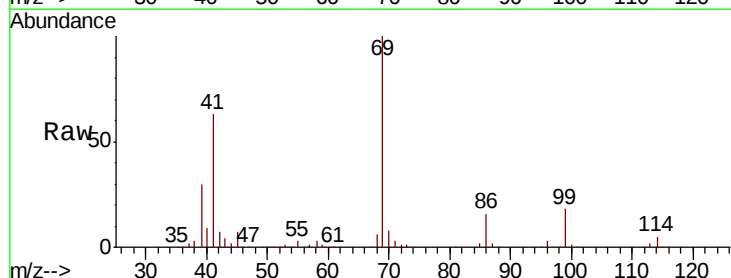
Manual Integrations
 APPROVED

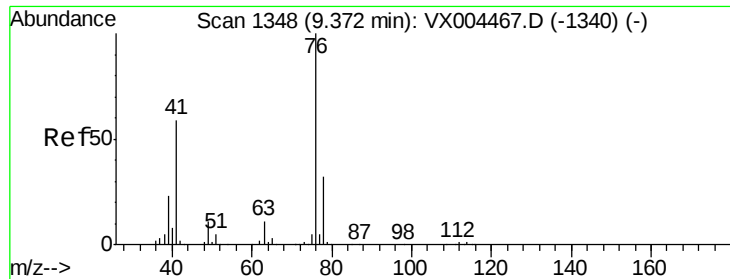
MMDadoda
 9/19/2018 12:51:04 PM



#56
 Ethyl methacrylate
 Concen: 15.997 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX004649.D
 Acq: 18 Sep 2018 11:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		69146		
41	63.3	51.0	76.4		
39	30.9	26.1	39.1		





#57

1,3-Dichloropropane

Concen: 17.006 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX004649.D

Acq: 18 Sep 2018 11:22

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBS01

Tgt Ion: 76 Resp: 84426

Ion Ratio Lower Upper

76 100

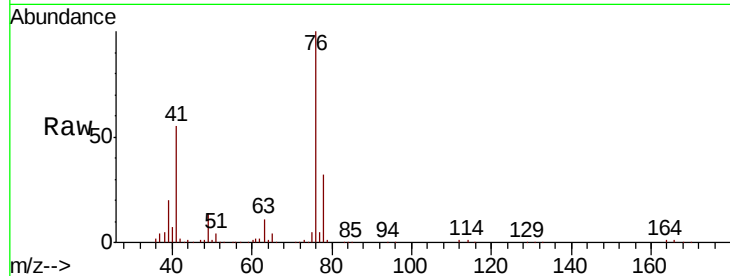
78 31.9 25.5 38.3

Manual Integrations

APPROVED

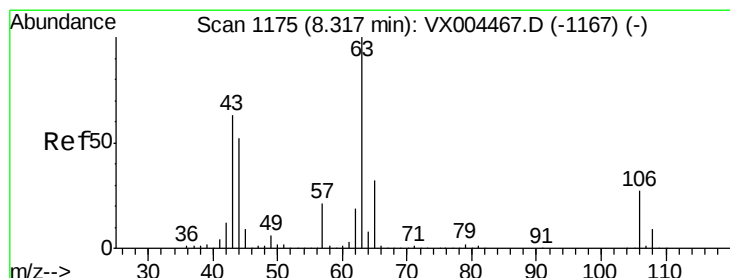
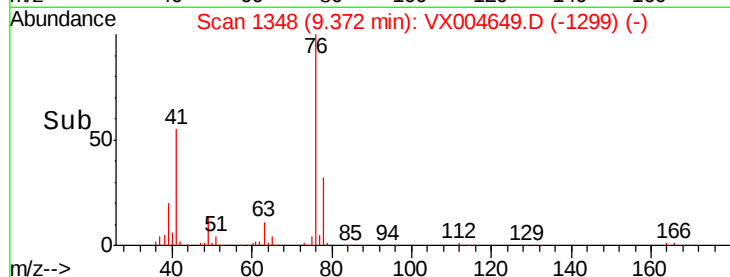
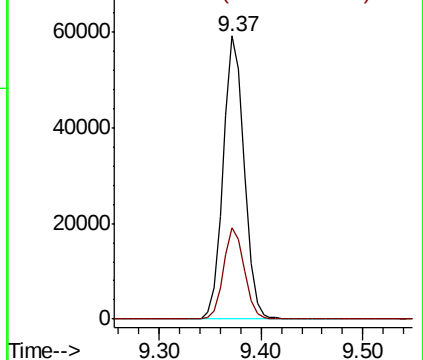
MMDadoda

9/19/2018 12:51:04 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 90.041 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VX004649.D

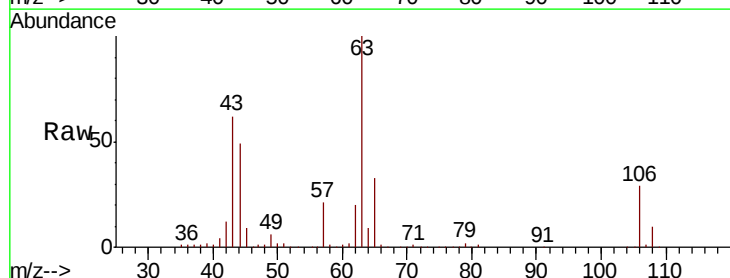
Acq: 18 Sep 2018 11:22

Tgt Ion: 63 Resp: 187740

Ion Ratio Lower Upper

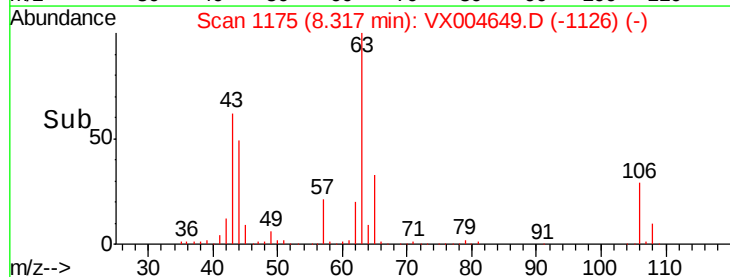
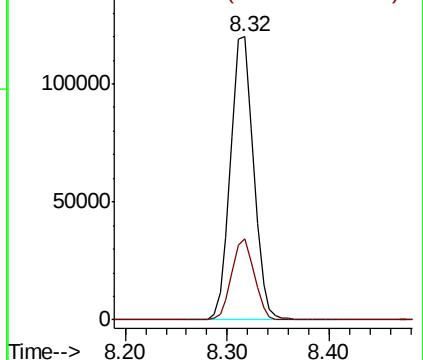
63 100

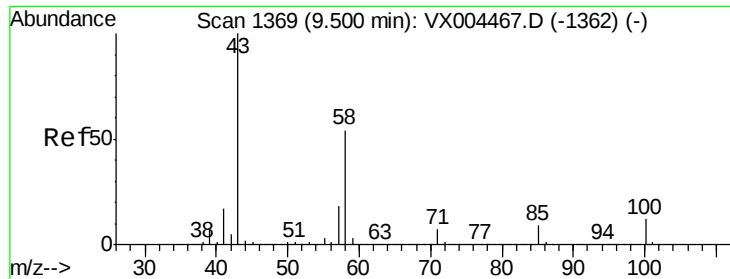
106 28.2 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





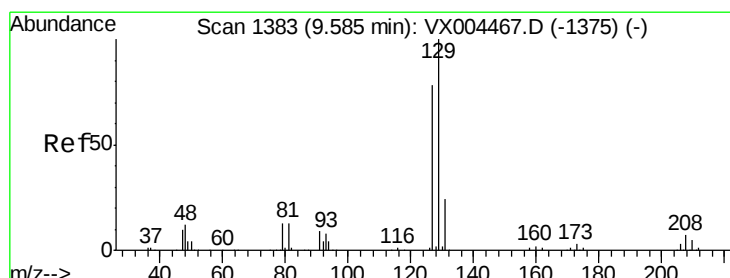
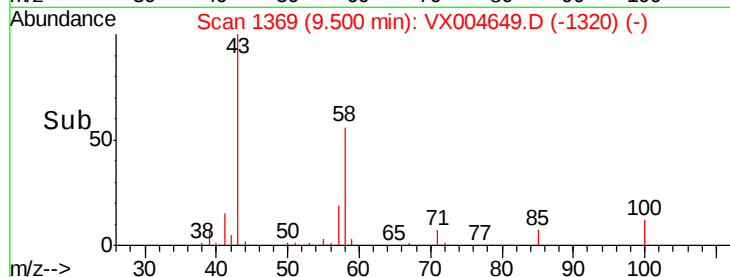
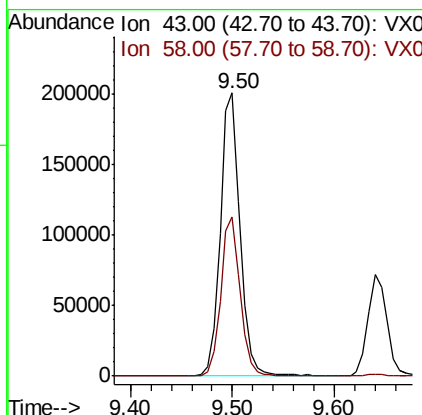
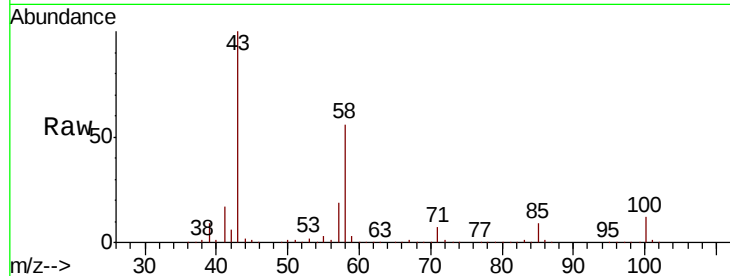
#59
2-Hexanone
Concen: 81.398 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX004649.D
Acq: 18 Sep 2018 11:22

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Tgt Ion: 43 Resp: 270180
Ion Ratio Lower Upper
43 100
58 55.5 29.0 87.0

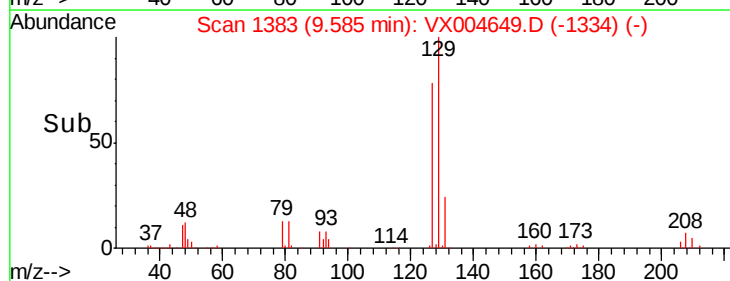
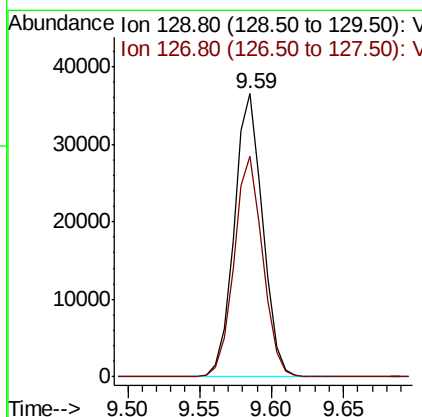
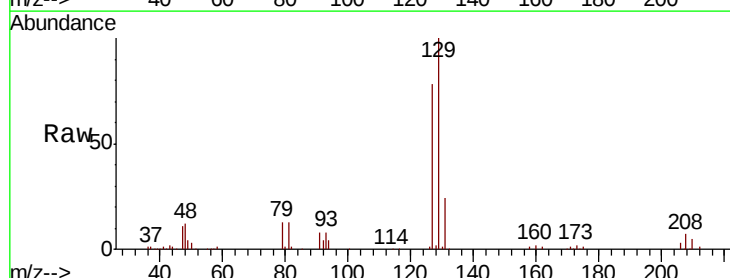
Manual Integrations
APPROVED

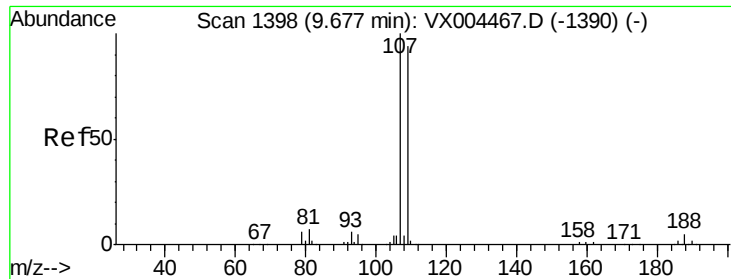
MMDadoda
9/19/2018 12:51:04 PM



#60
Dibromochloromethane
Concen: 17.510 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX004649.D
Acq: 18 Sep 2018 11:22

Tgt Ion: 129 Resp: 50366
Ion Ratio Lower Upper
129 100
127 78.3 38.5 115.5





#61

1,2-Dibromoethane

Concen: 18.085 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. -0.00 min

Lab File: VX004649.D

Acq: 18 Sep 2018 11:22

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBS01

Tgt Ion: 107 Resp: 52786

Ion Ratio Lower Upper

107 100

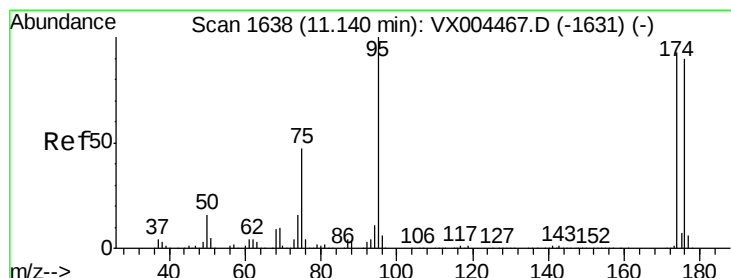
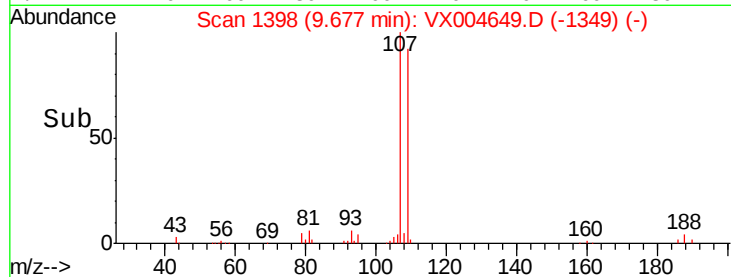
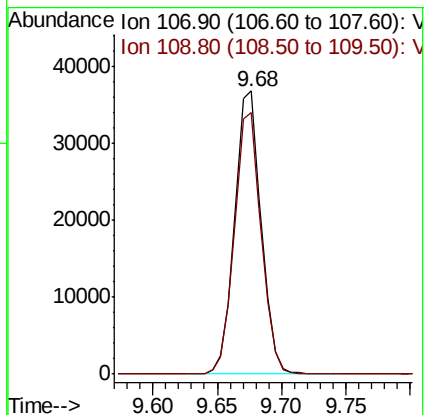
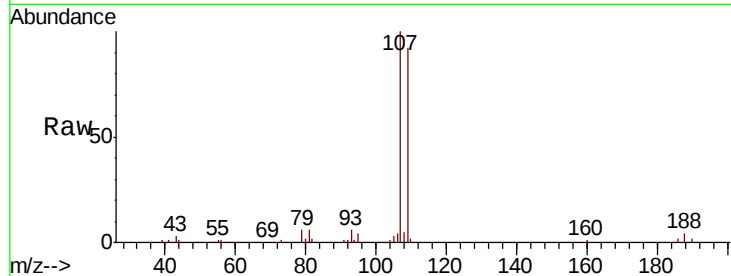
109 93.3 76.0 114.0

Manual Integrations

APPROVED

MMDadoda

9/19/2018 12:51:04 PM



#62

4-Bromofluorobenzene

Concen: 44.517 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004649.D

Acq: 18 Sep 2018 11:22

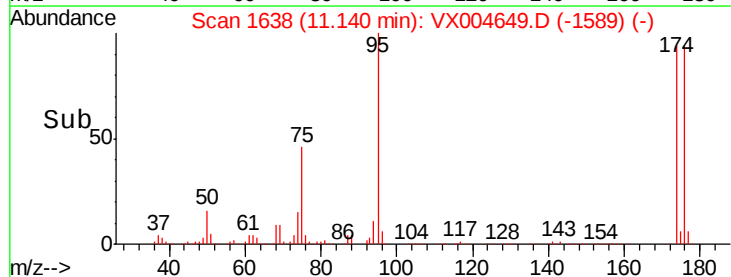
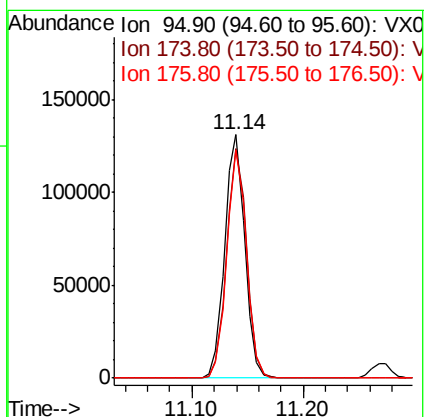
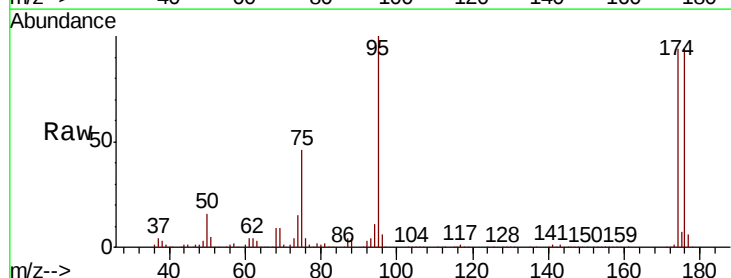
Tgt Ion: 95 Resp: 163051

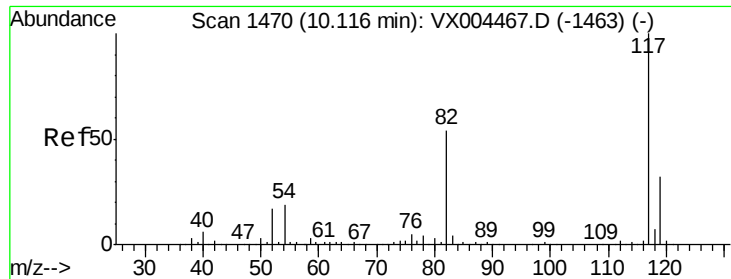
Ion Ratio Lower Upper

95 100

174 94.1 0.0 185.2

176 91.9 0.0 178.6





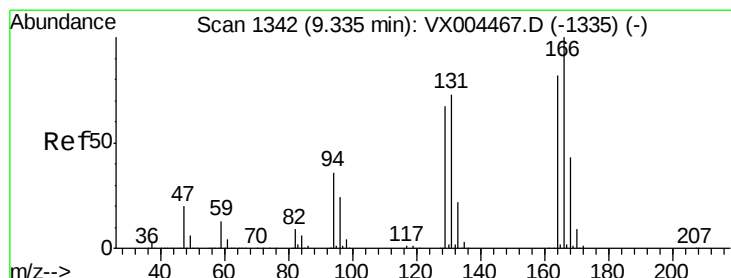
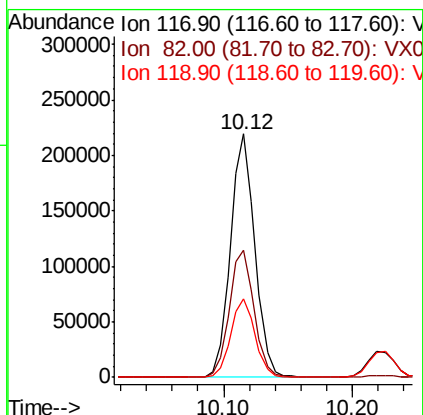
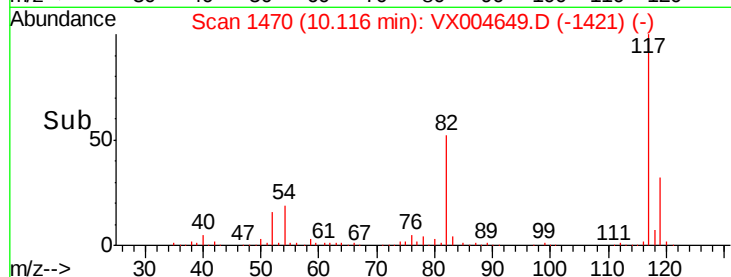
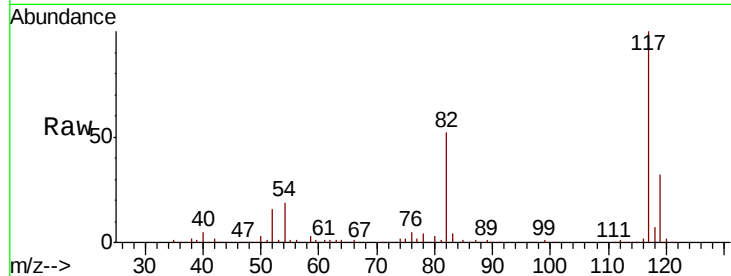
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004649.D
Acq: 18 Sep 2018 11:22

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	290034		
82	52.1	47.8	71.6	
119	32.1	29.3	43.9	

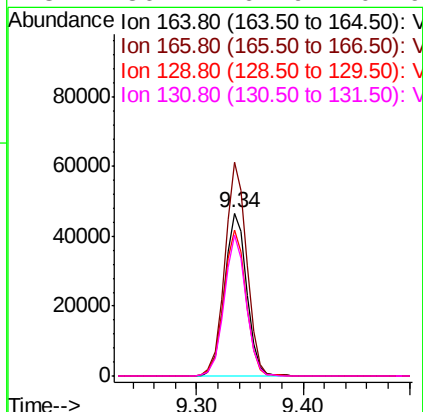
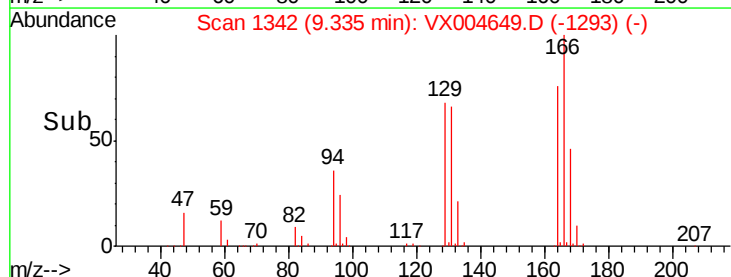
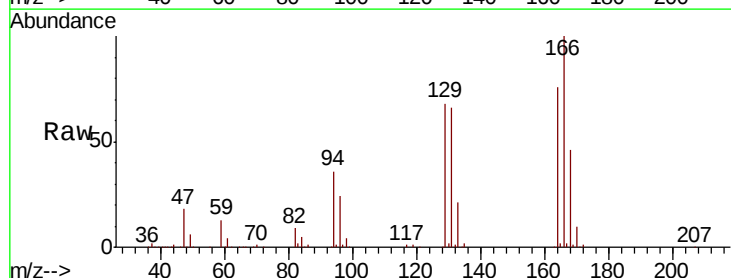
Manual Integrations
APPROVED

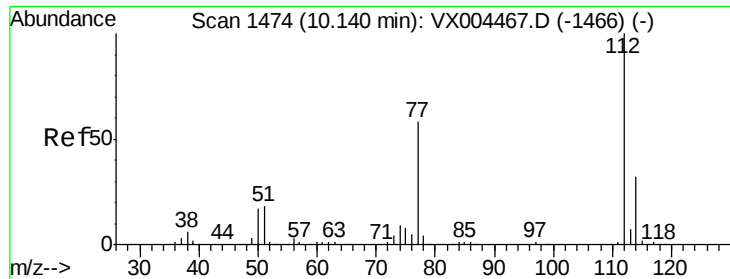
MMDadoda
9/19/2018 12:51:04 PM



#64
Tetrachloroethene
Concen: 18.785 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX004649.D
Acq: 18 Sep 2018 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	68022		
166	131.0	102.8	154.2	
129	89.5	69.4	104.0	
131	86.1	67.9	101.9	





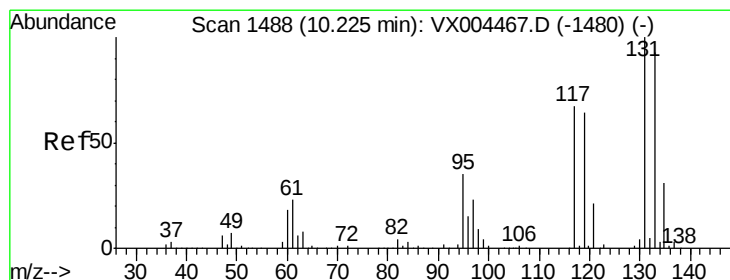
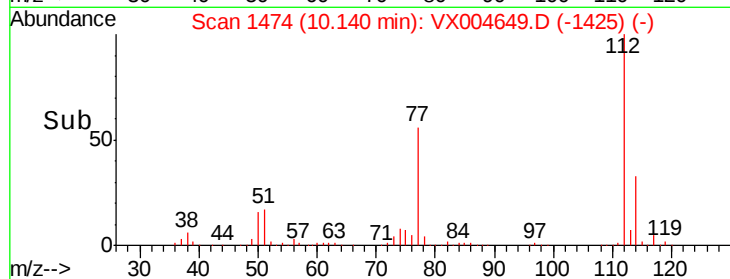
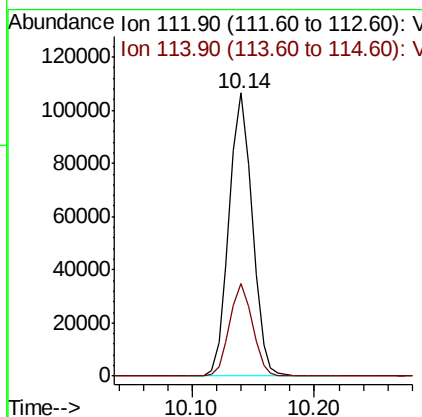
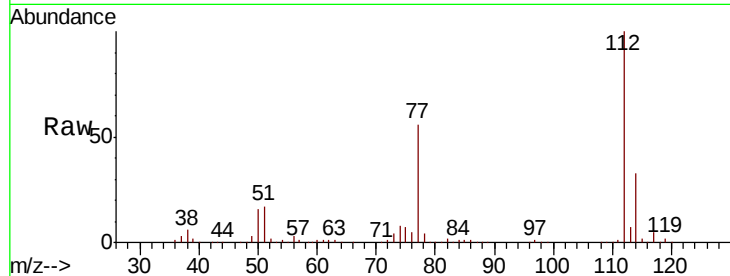
#65
Chlorobenzene
Concen: 19.469 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX004649.D
Acq: 18 Sep 2018 11:22

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Tgt Ion:112 Resp: 140257
Ion Ratio Lower Upper
112 100
114 32.6 27.8 41.8

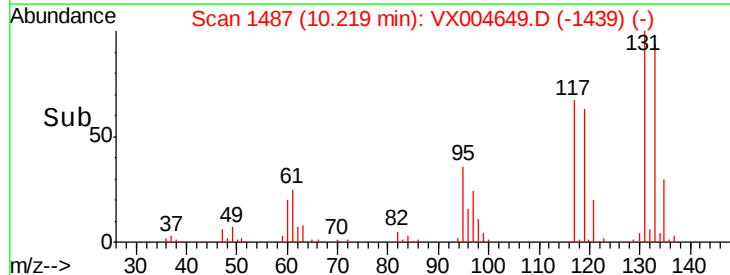
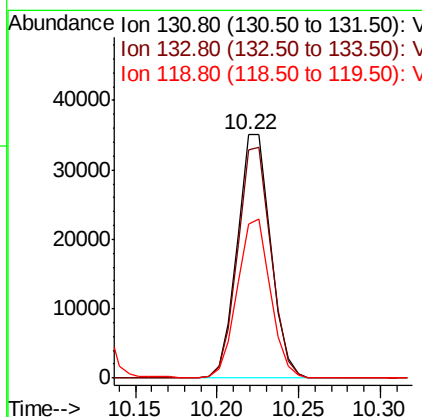
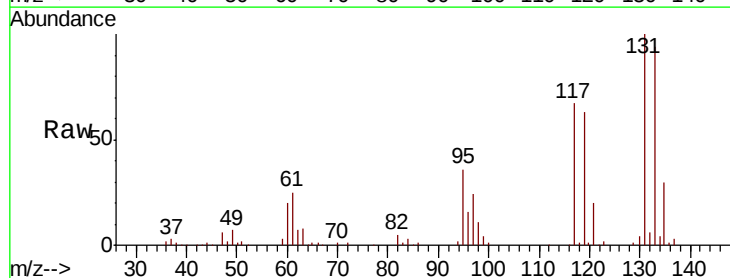
Manual Integrations
APPROVED

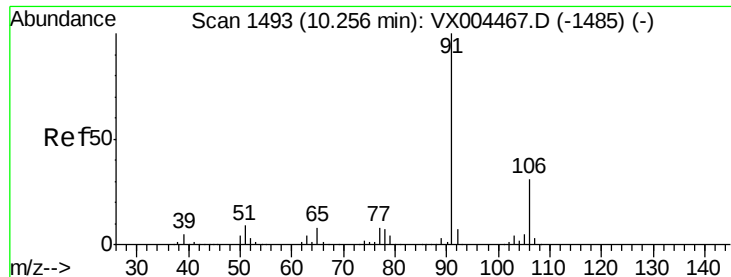
MMDadoda
9/19/2018 12:51:04 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.130 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.01 min
Lab File: VX004649.D
Acq: 18 Sep 2018 11:22

Tgt Ion:131 Resp: 50010
Ion Ratio Lower Upper
131 100
133 94.8 48.1 144.4
119 65.3 32.9 98.6





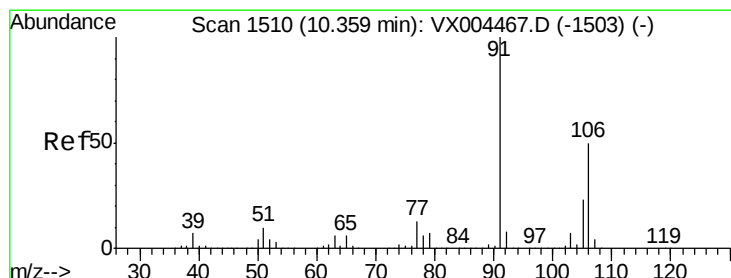
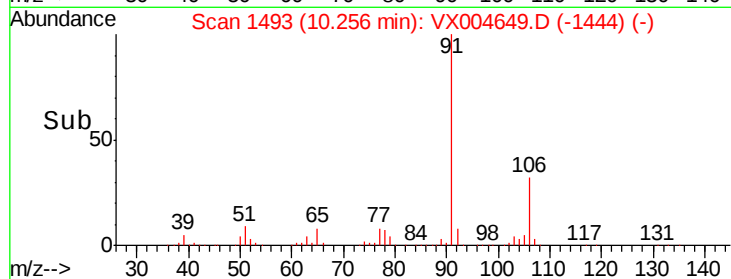
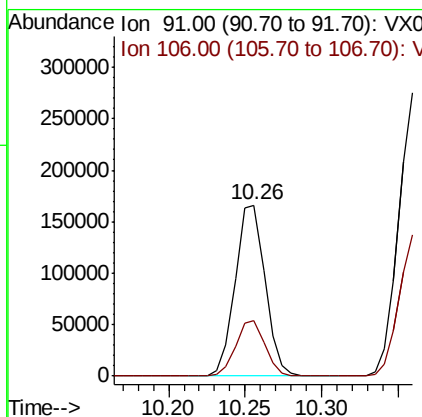
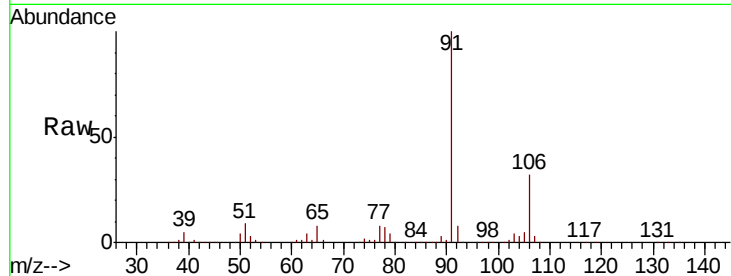
#67
Ethyl Benzene
Concen: 19.288 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VX004649.D
Acq: 18 Sep 2018 11:22

Instrument :
MSVOA_X
ClientSampled :
VX0918WBS01

Tgt Ion: 91 Resp: 225952
Ion Ratio Lower Upper
91 100
106 32.1 25.9 38.9

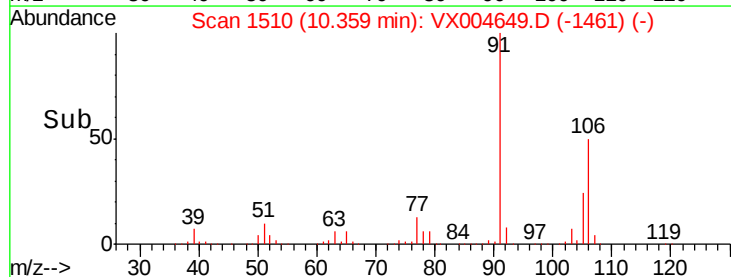
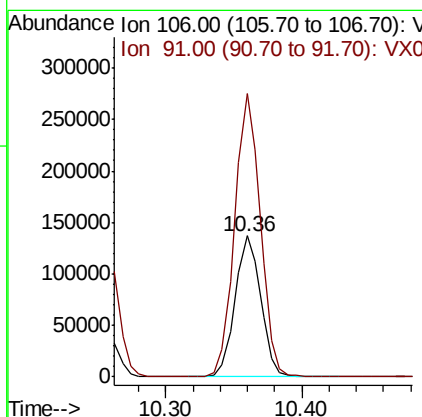
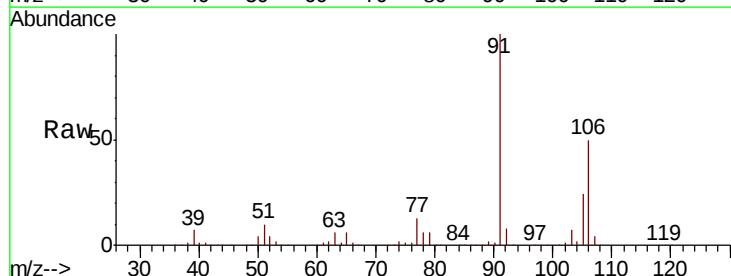
Manual Integrations
APPROVED

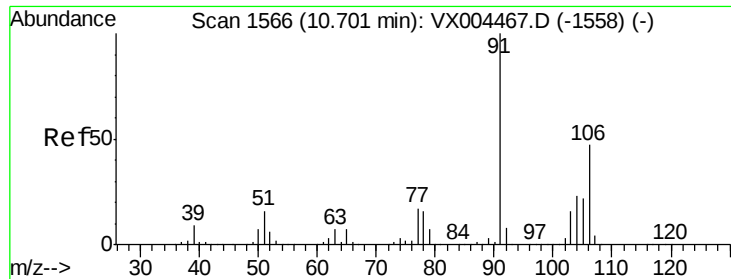
MMDadoda
9/19/2018 12:51:04 PM



#68
m/p-Xylenes
Concen: 39.826 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX004649.D
Acq: 18 Sep 2018 11:22

Tgt Ion: 106 Resp: 179708
Ion Ratio Lower Upper
106 100
91 201.7 157.1 235.7





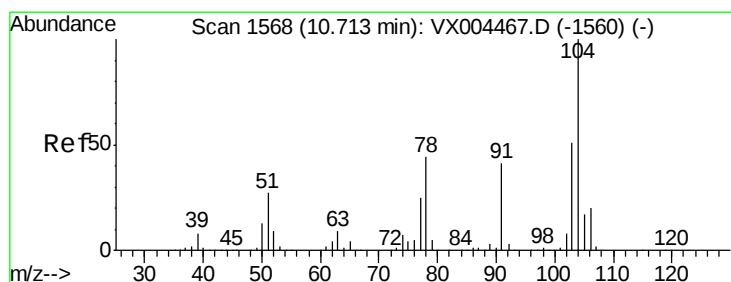
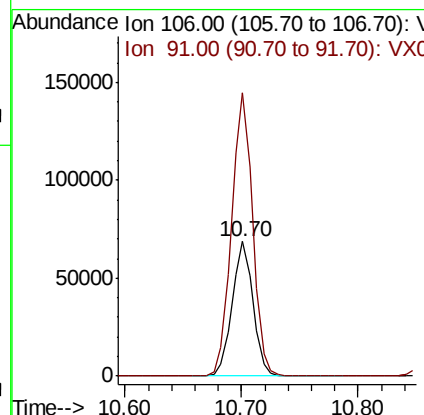
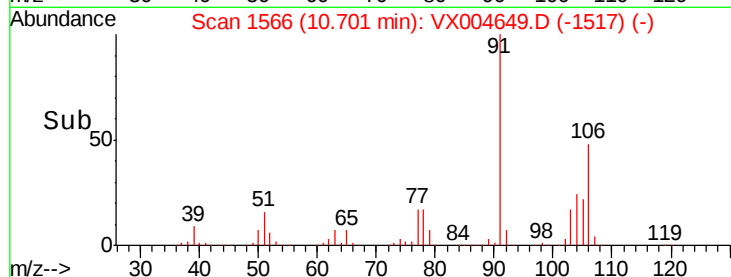
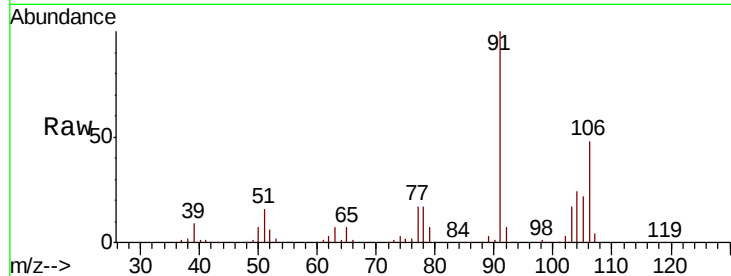
#69
o-Xylene
Concen: 19.708 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004649.D
Acq: 18 Sep 2018 11:22

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Tgt Ion:106 Resp: 85496
Ion Ratio Lower Upper
106 100
91 212.8 105.1 315.1

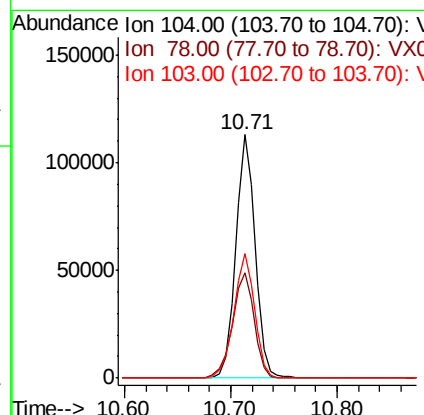
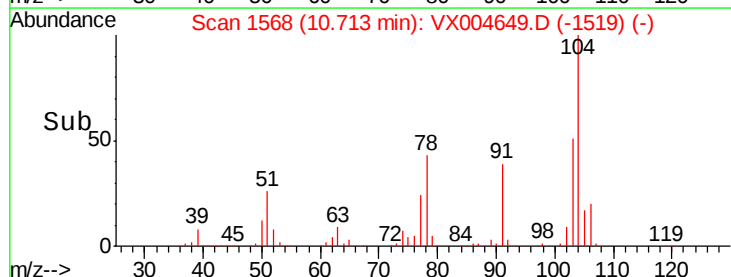
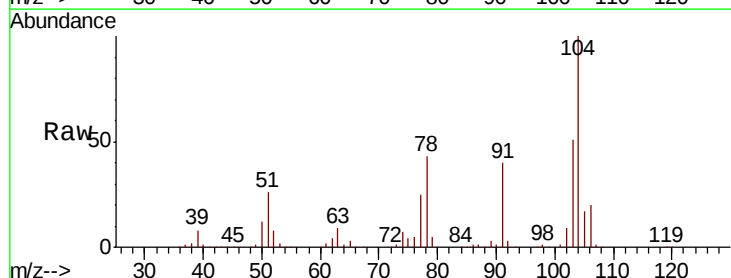
Manual Integrations
APPROVED

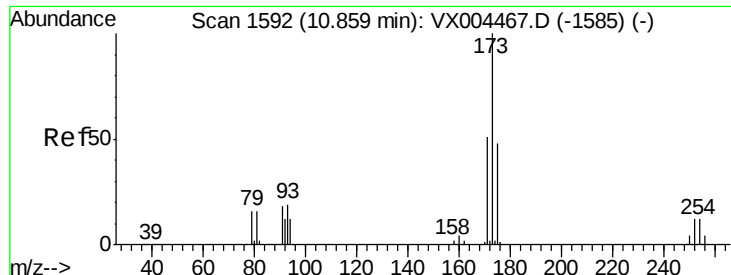
MMDadoda
9/19/2018 12:51:04 PM



#70
Styrene
Concen: 20.103 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX004649.D
Acq: 18 Sep 2018 11:22

Tgt Ion:104 Resp: 144482
Ion Ratio Lower Upper
104 100
78 48.4 37.4 56.0
103 55.2 43.8 65.6





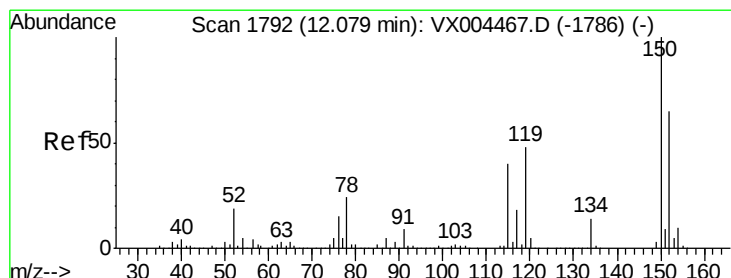
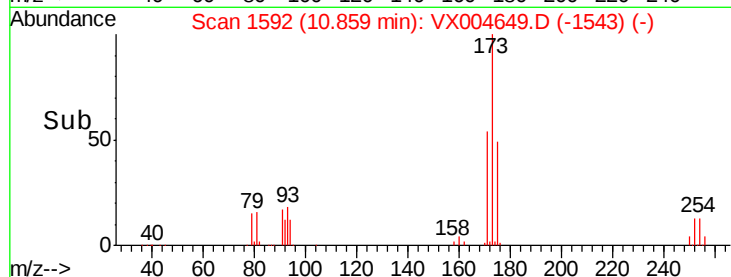
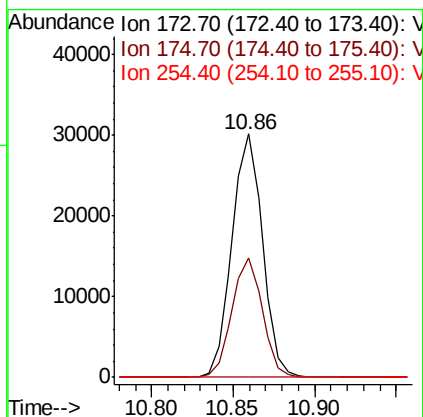
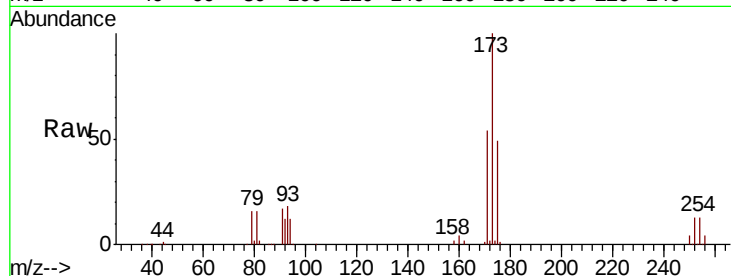
#71
Bromoform
Concen: 19.290 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VX004649.D
Acq: 18 Sep 2018 11:22

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.1	72.3
254	0.1	0.2	0.2

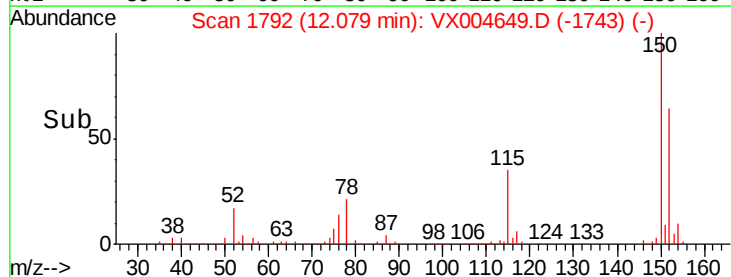
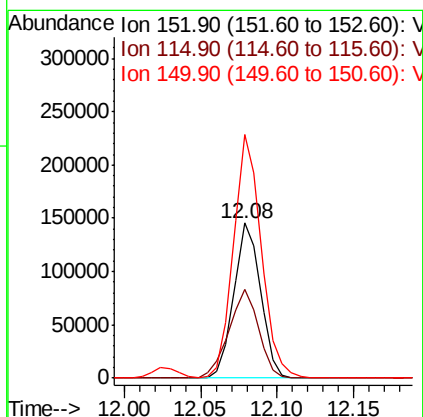
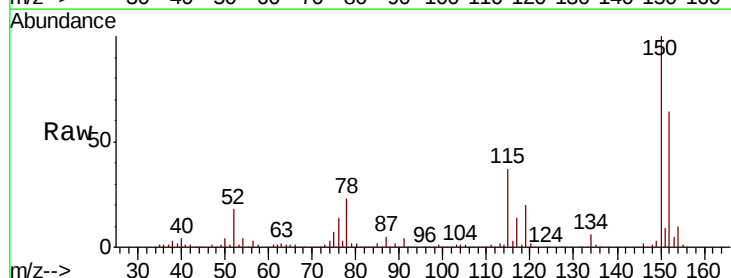
Manual Integrations
APPROVED

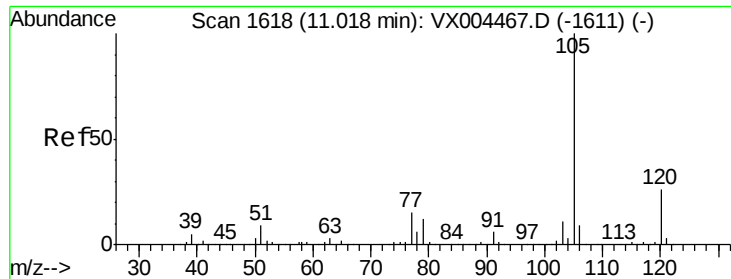
MMDadoda
9/19/2018 12:51:04 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004649.D
Acq: 18 Sep 2018 11:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.5	39.0	117.0
150	163.5	0.0	351.0





#73

Isopropylbenzene

Concen: 20.291 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX004649.D

Acq: 18 Sep 2018 11:22

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBS01

Tgt Ion: 105 Resp: 235676

Ion Ratio Lower Upper

105 100

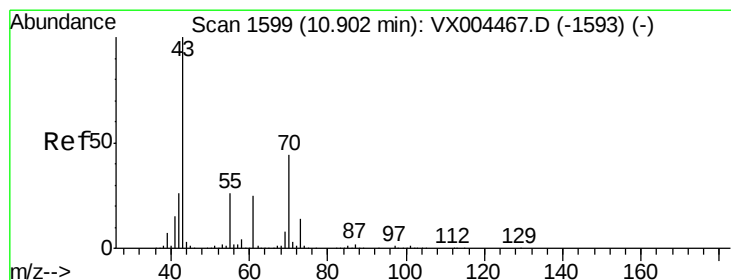
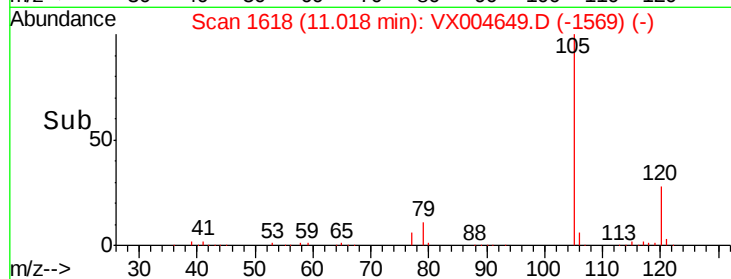
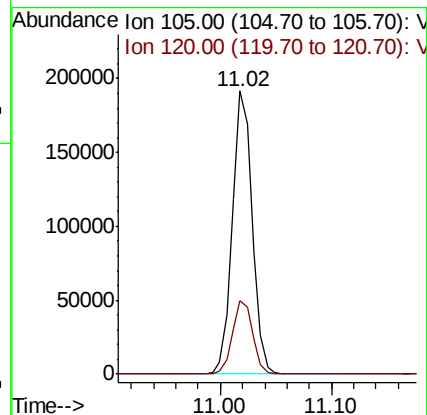
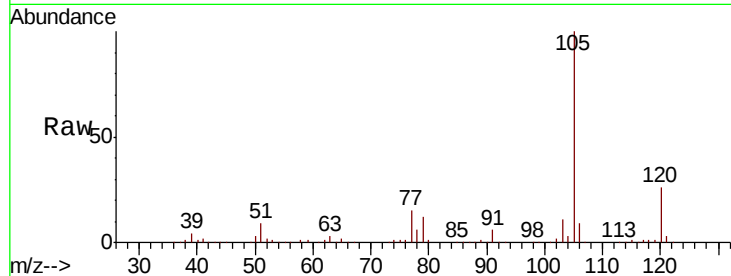
120 26.5 13.5 40.4

Manual Integrations

APPROVED

MMDadoda

9/19/2018 12:51:04 PM



#74

N-ethyl acetate

Concen: 18.244 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VX004649.D

Acq: 18 Sep 2018 11:22

Tgt Ion: 43 Resp: 89189

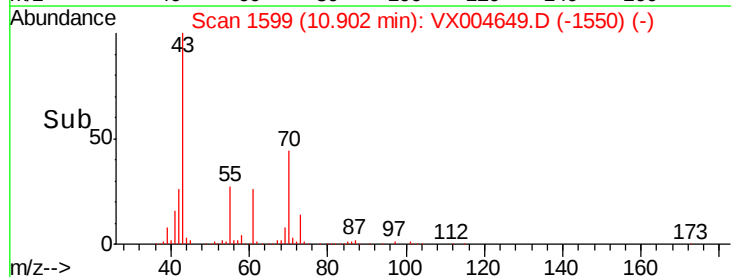
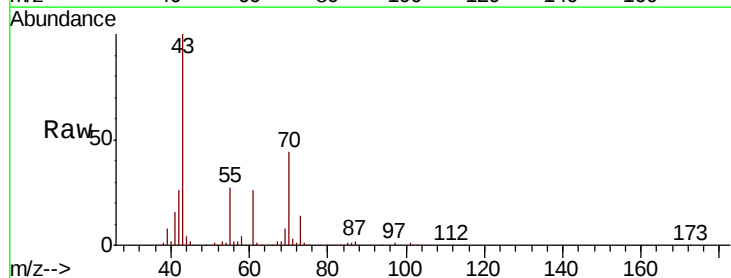
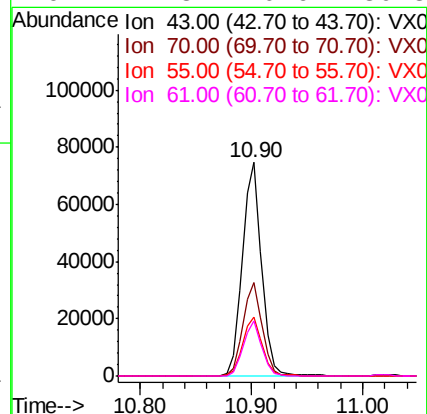
Ion Ratio Lower Upper

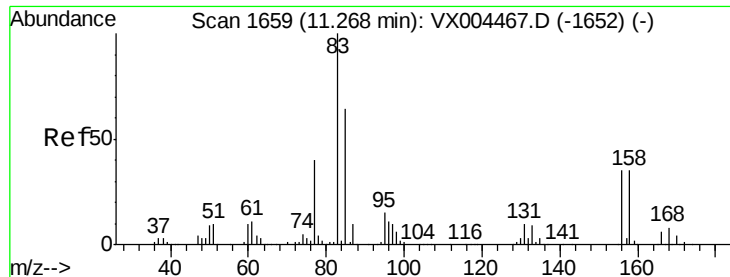
43 100

70 43.8 37.4 56.0

55 28.1 21.8 32.8

61 24.8 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 18.746 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX004649.D

Acq: 18 Sep 2018 11:22

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBS01

Tgt Ion: 83 Resp: 70230
Ion Ratio Lower Upper

83 100

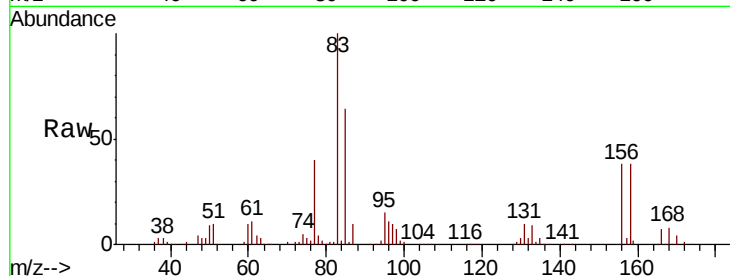
131 10.4 5.2 15.6

85 64.9 32.3 96.8

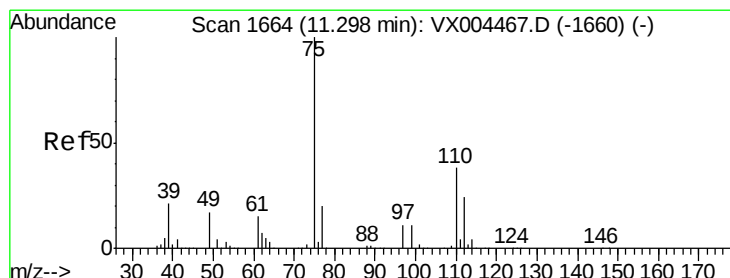
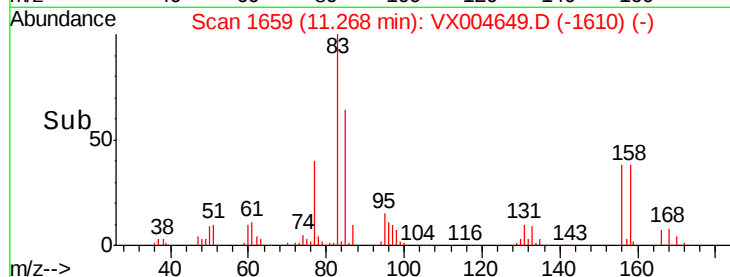
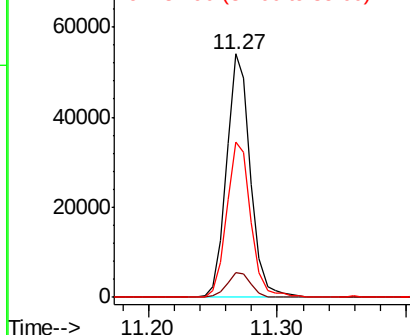
Manual Integrations
APPROVED

MMDadoda

9/19/2018 12:51:04 PM



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



#76

1,2,3-Trichloropropane

Concen: 19.556 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

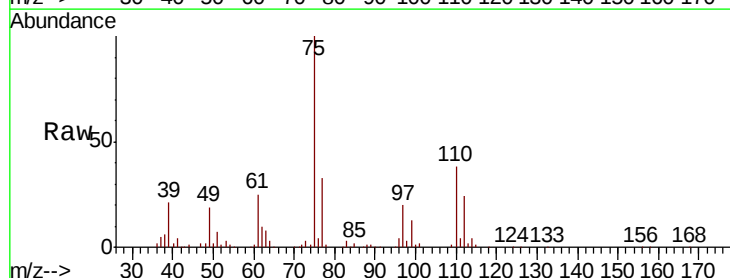
Lab File: VX004649.D

Acq: 18 Sep 2018 11:22

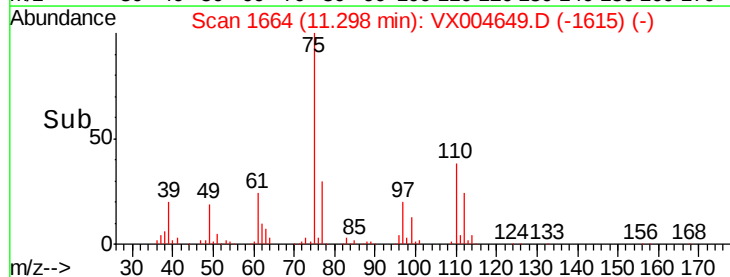
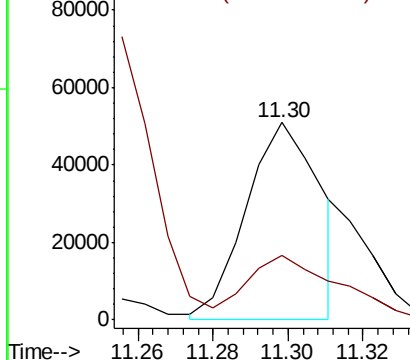
Tgt Ion: 75 Resp: 69388
Ion Ratio Lower Upper

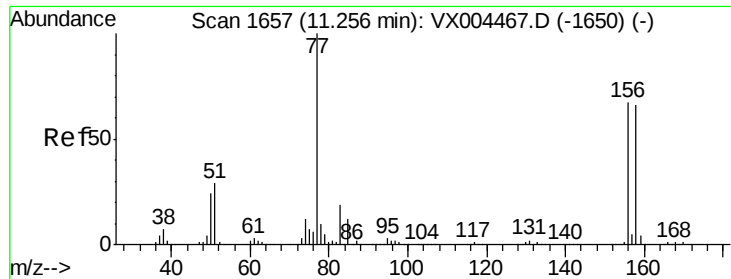
75 100

77 40.8 20.2 60.6



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





#77

Bromobenzene

Concen: 20.116 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX004649.D

Acq: 18 Sep 2018 11:22

Instrument :

MSVOA_X

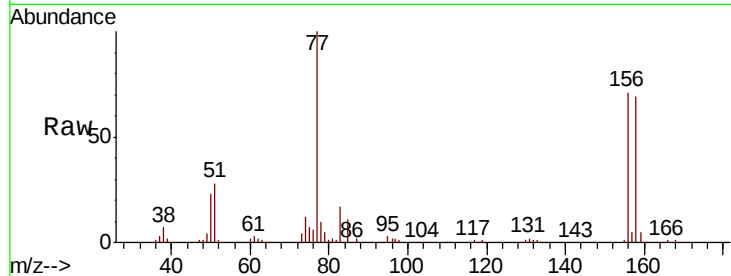
ClientSampleId :

VX0918WBS01

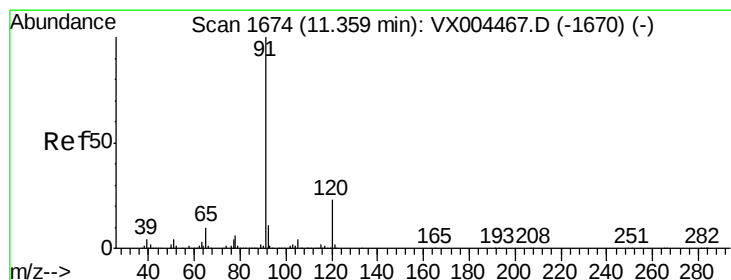
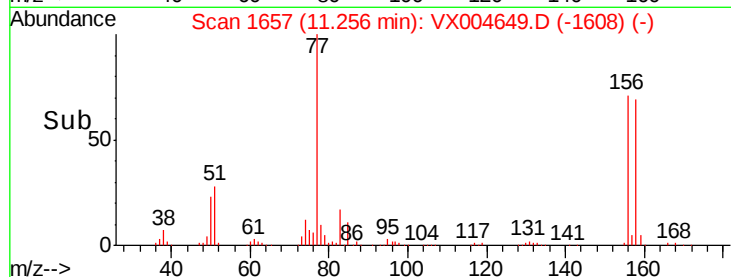
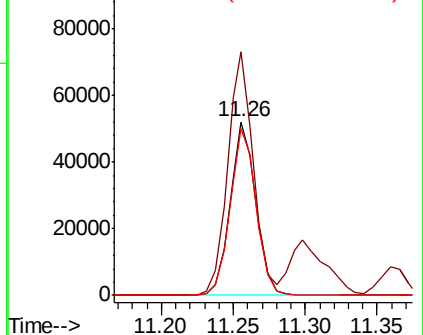
Tgt Ion:	156	Resp:	64581
Ion Ratio	Lower	Upper	
156	100		
77	141.3	71.5	214.3
158	97.7	48.9	146.8

Manual Integrations
APPROVED

MMDadoda
9/19/2018 12:51:04 PM



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



#78

n-propylbenzene

Concen: 20.138 ug/l

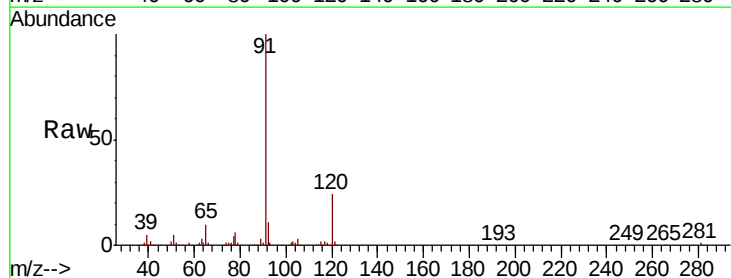
RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

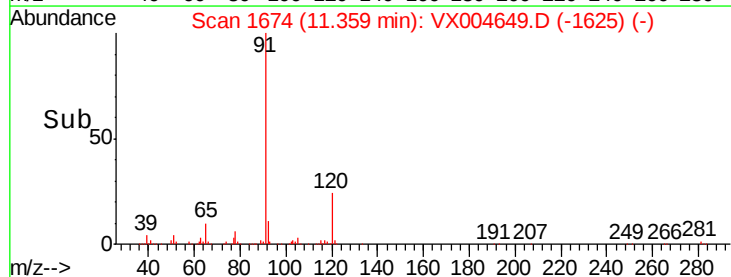
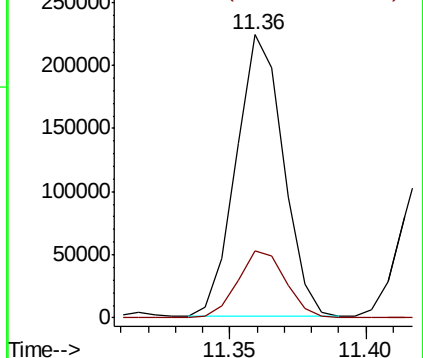
Lab File: VX004649.D

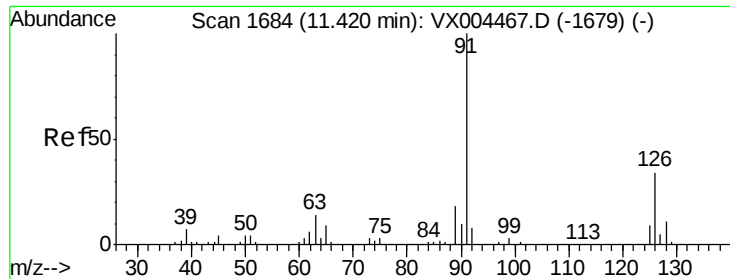
Acq: 18 Sep 2018 11:22

Tgt Ion:	91	Resp:	268932
Ion Ratio	Lower	Upper	
91	100		
120	24.1	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: 19.748 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX004649.D

Acq: 18 Sep 2018 11:22

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBS01

Tgt Ion: 91 Resp: 159953

Ion Ratio Lower Upper

91 100

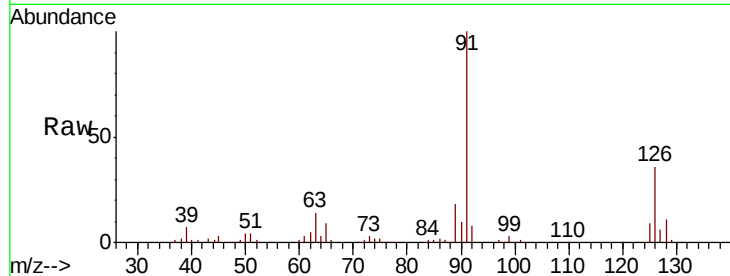
126 36.3 17.9 53.7

Manual Integrations

APPROVED

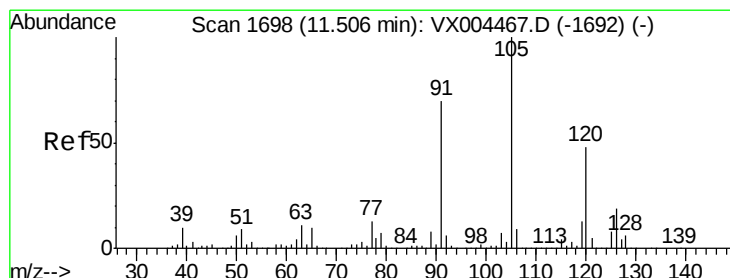
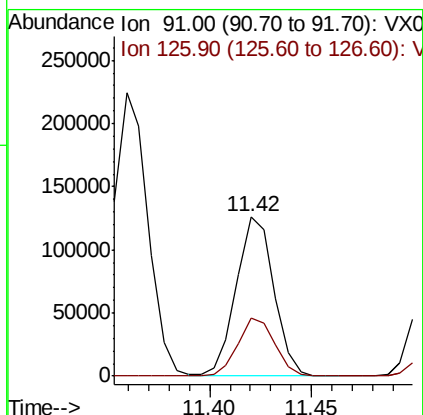
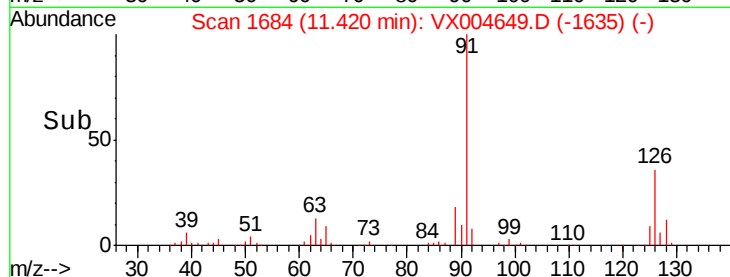
MMDadoda

9/19/2018 12:51:04 PM



Abundance Ion 91.00 (90.70 to 91.70): VX004467.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX004467.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.409 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX004649.D

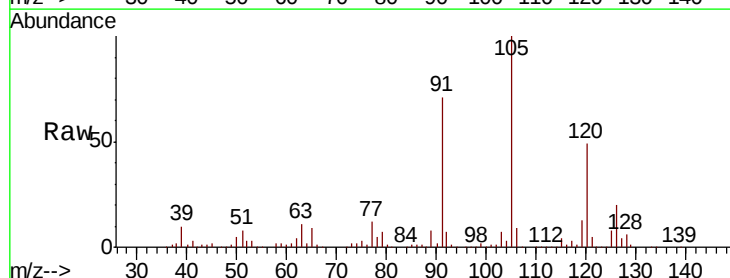
Acq: 18 Sep 2018 11:22

Tgt Ion: 105 Resp: 199272

Ion Ratio Lower Upper

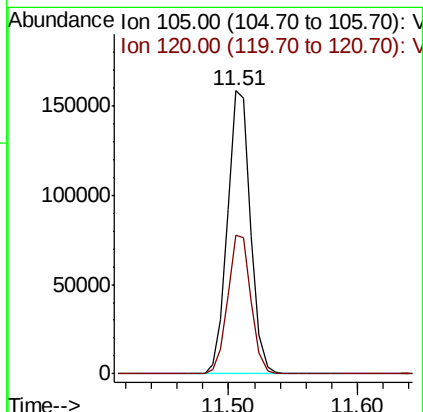
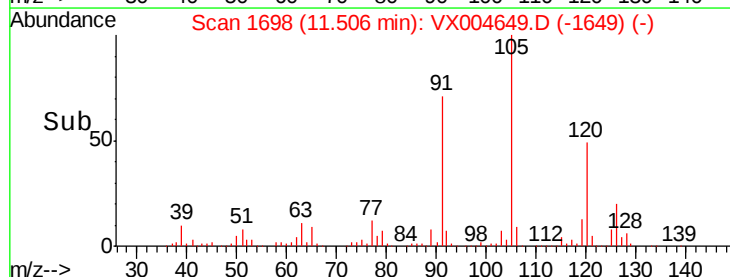
105 100

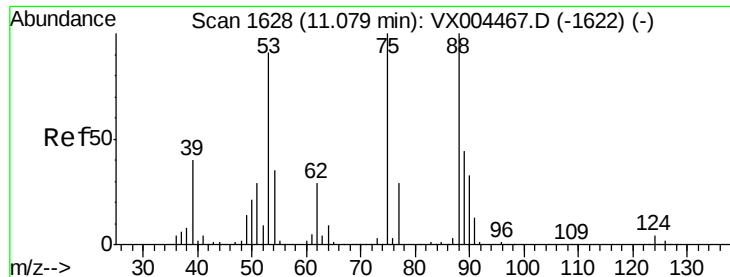
120 49.5 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VX004467.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX004467.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.424 ug/l

RT: 11.08 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VX004649.D

Acq: 18 Sep 2018 11:22

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBS01

Tgt Ion: 75 Resp: 21622

Ion Ratio Lower Upper

75 100

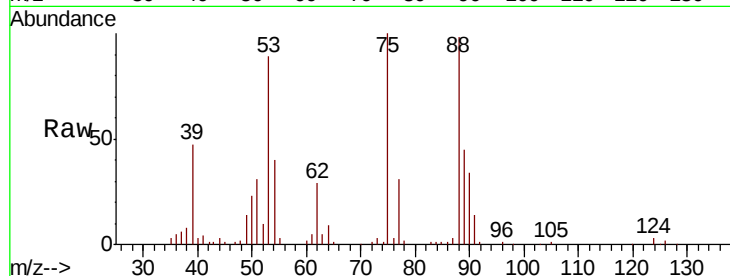
53 96.2 80.1 120.1

89 45.4 37.2 55.8

Manual Integrations
APPROVED

MMDadoda

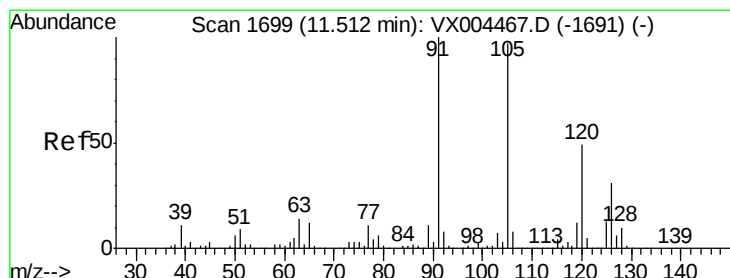
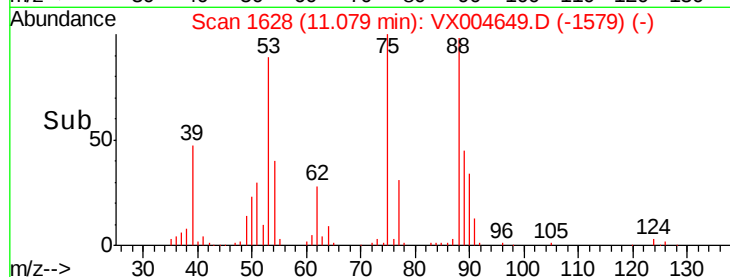
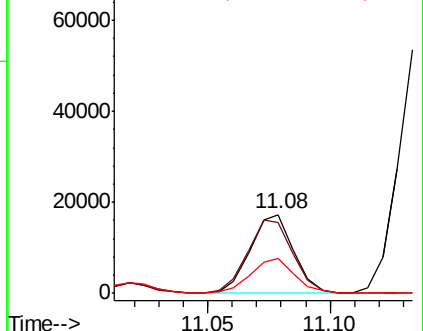
9/19/2018 12:51:04 PM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 19.790 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX004649.D

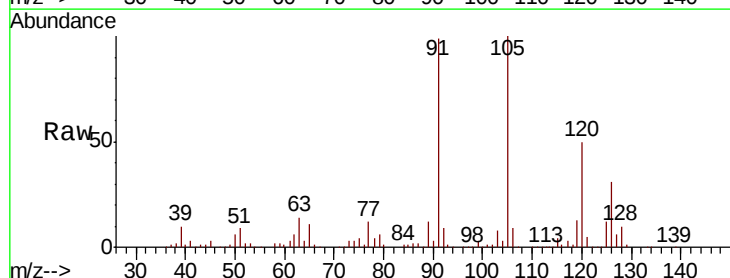
Acq: 18 Sep 2018 11:22

Tgt Ion: 91 Resp: 187084

Ion Ratio Lower Upper

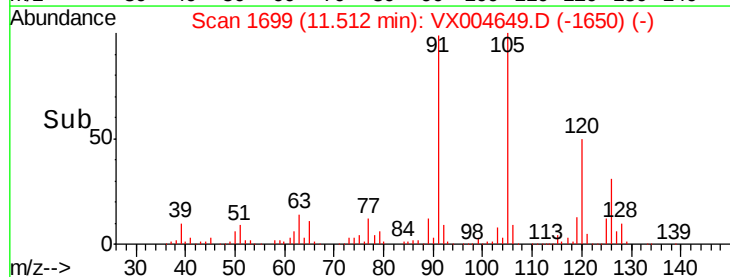
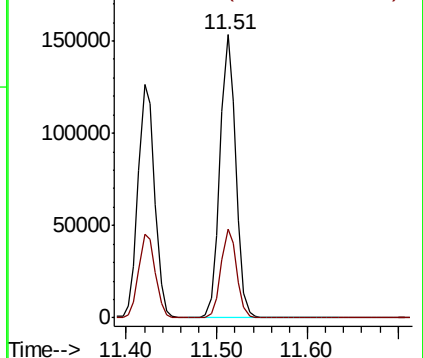
91 100

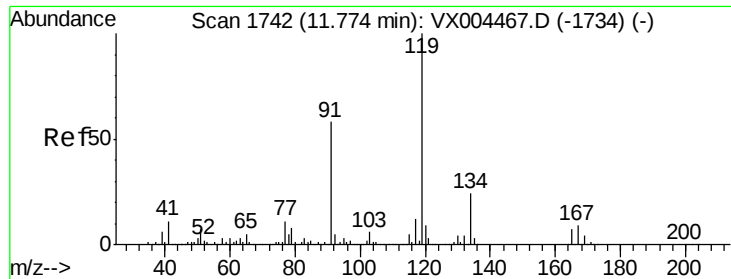
126 31.6 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





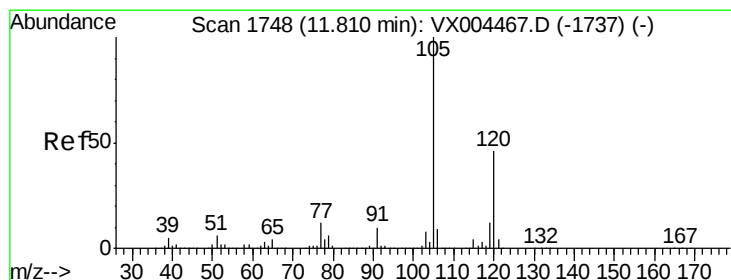
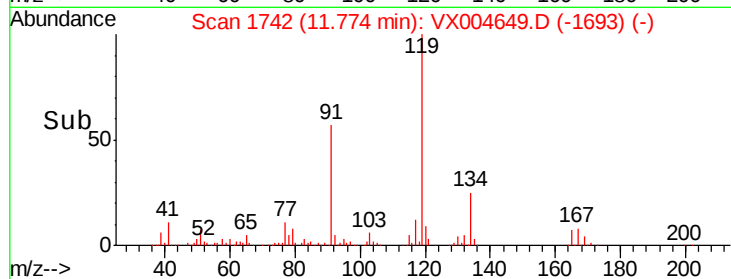
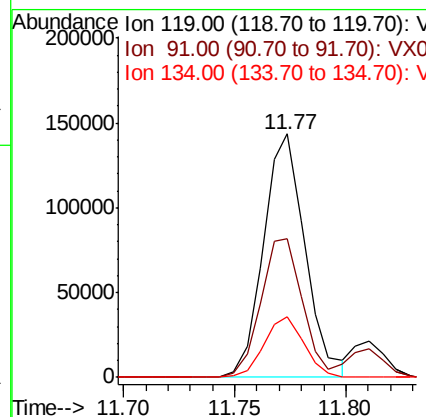
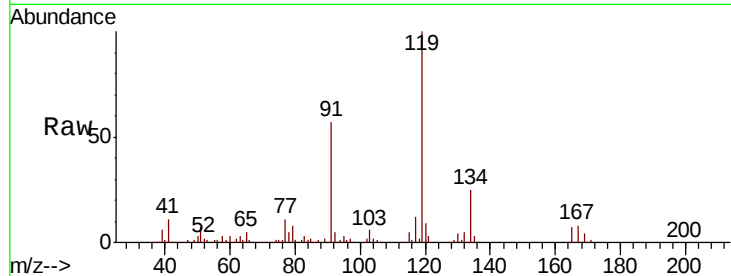
#83
tert-Butylbenzene
Concen: 20.097 ug/l
RT: 11.77 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX004649.D
Acq: 18 Sep 2018 11:22

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	186820		
91	56.8	27.0	81.0	
134	23.9	11.7	35.1	

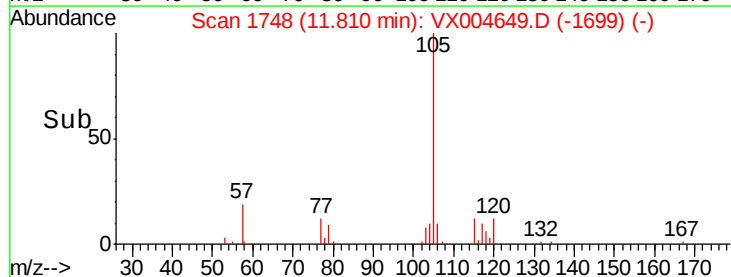
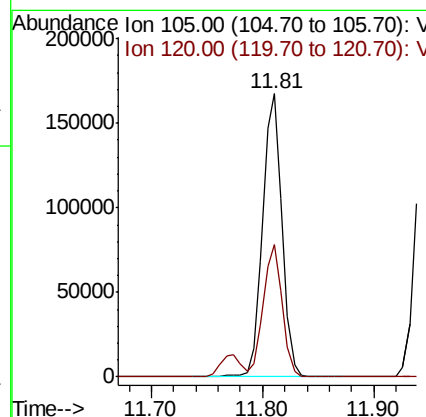
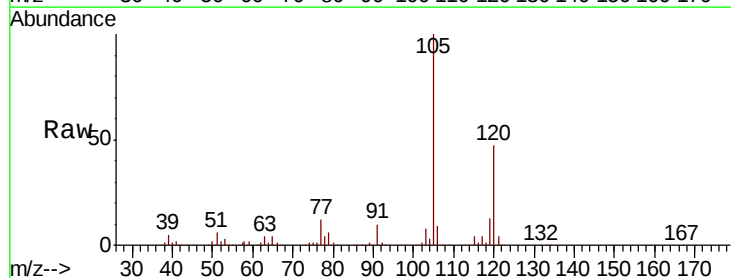
Manual Integrations
APPROVED

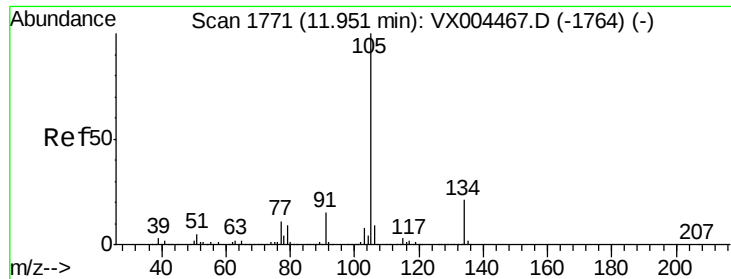
MMDadoda
9/19/2018 12:51:04 PM



#84
1,2,4-Trimethylbenzene
Concen: 20.493 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VX004649.D
Acq: 18 Sep 2018 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	204297		
120	45.8	23.2	69.6	





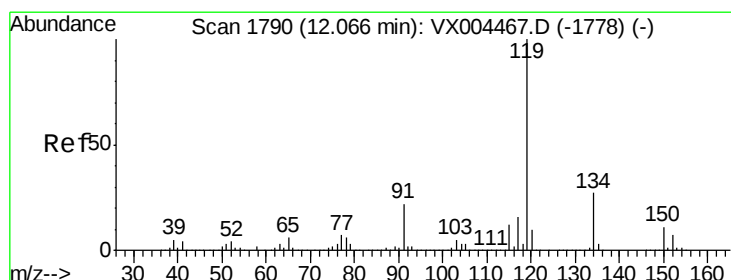
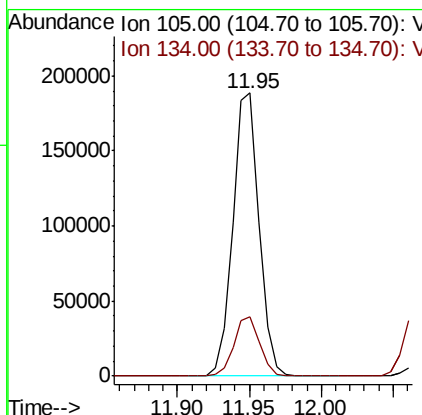
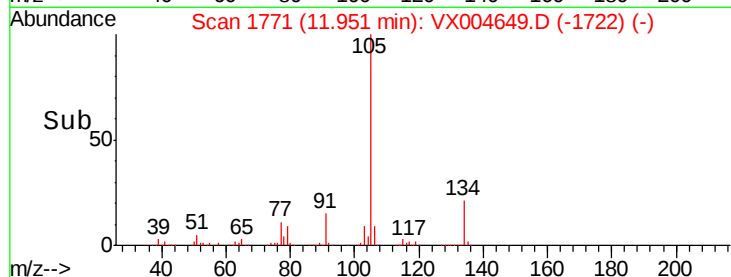
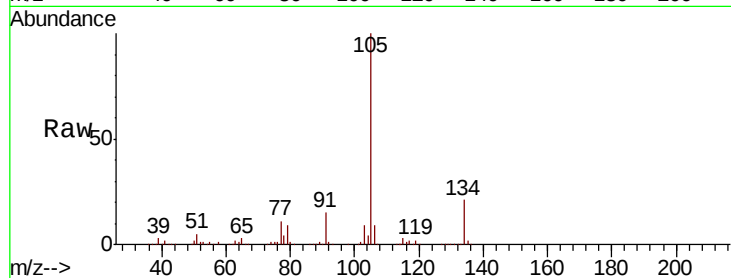
#85
 sec-Butylbenzene
 Concen: 20.224 ug/l
 RT: 11.95 min Scan# 1771
 Delta R.T. -0.00 min
 Lab File: VX004649.D
 Acq: 18 Sep 2018 11:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBS01

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.7	10.5	31.5

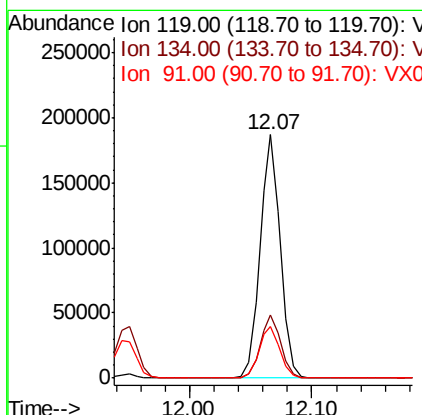
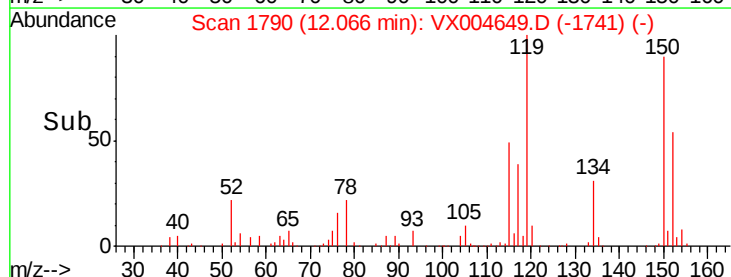
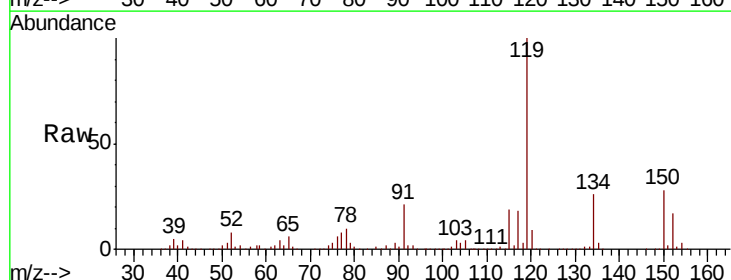
Manual Integrations
 APPROVED

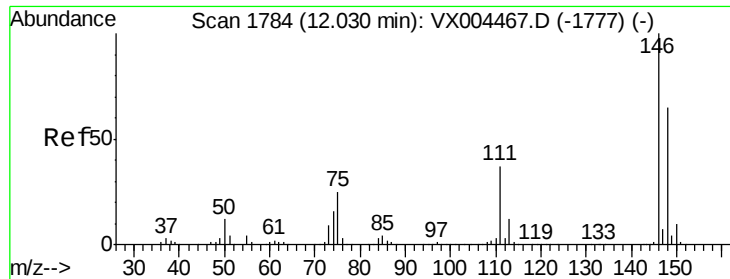
MMDadoda
 9/19/2018 12:51:04 PM



#86
 p-Isopropyltoluene
 Concen: 20.595 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX004649.D
 Acq: 18 Sep 2018 11:22

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.4	40.2
91	21.8	10.9	32.7





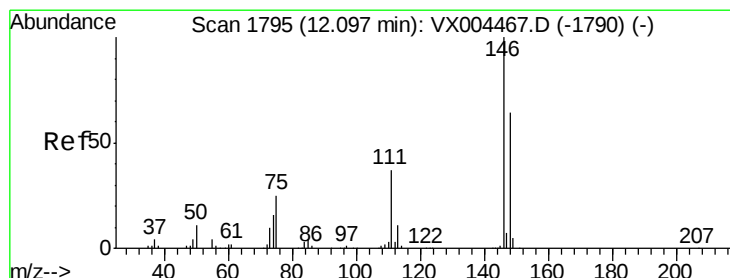
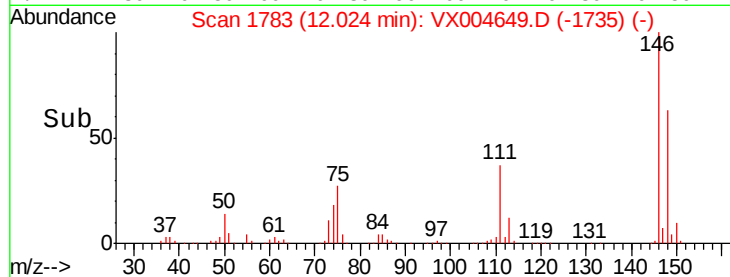
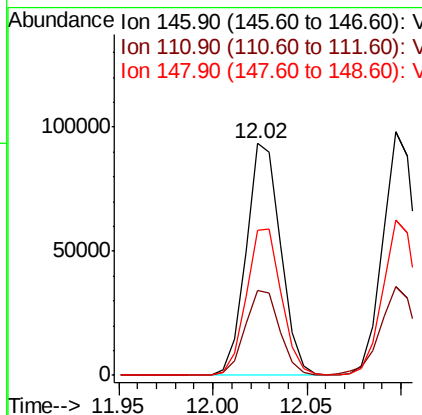
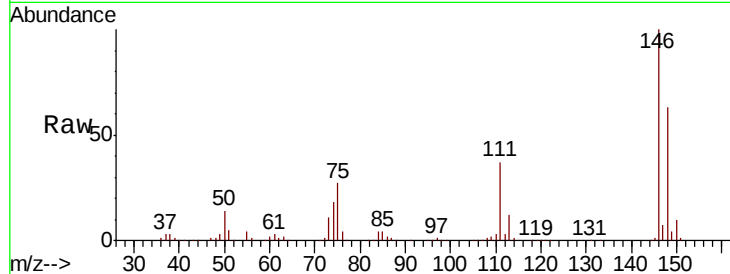
#87
 1,3-Dichlorobenzene
 Concen: 19.870 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: VX004649.D
 Acq: 18 Sep 2018 11:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	119016		
111	36.7	18.7	56.1	
148	63.9	32.1	96.5	

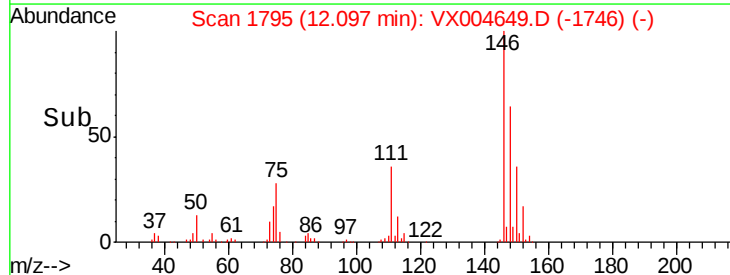
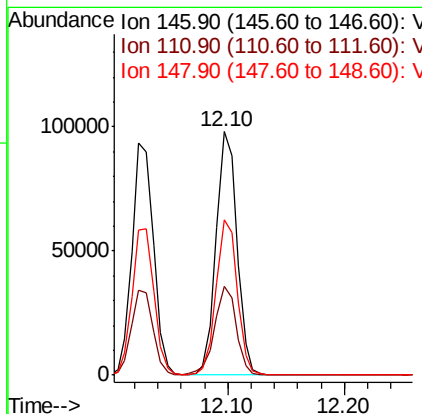
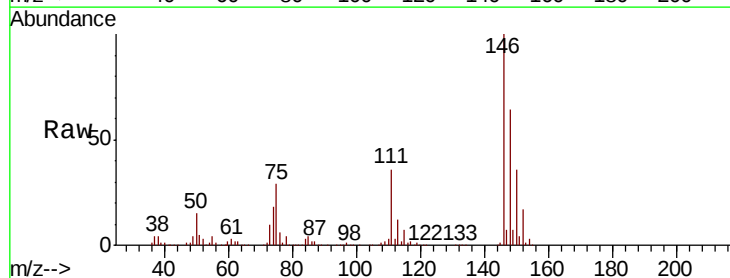
Manual Integrations
 APPROVED

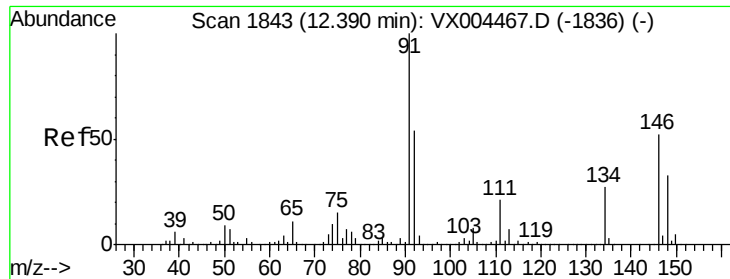
MMDadoda
 9/19/2018 12:51:04 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.524 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX004649.D
 Acq: 18 Sep 2018 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	120835		
111	37.8	18.1	54.1	
148	64.5	32.0	96.0	





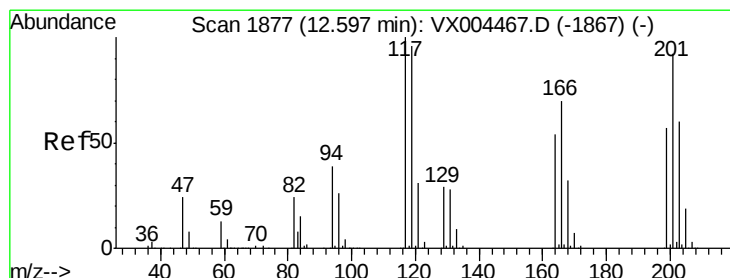
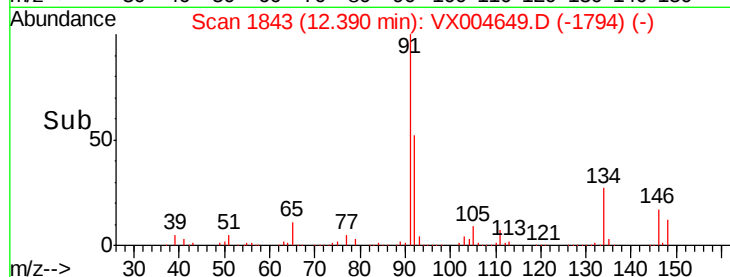
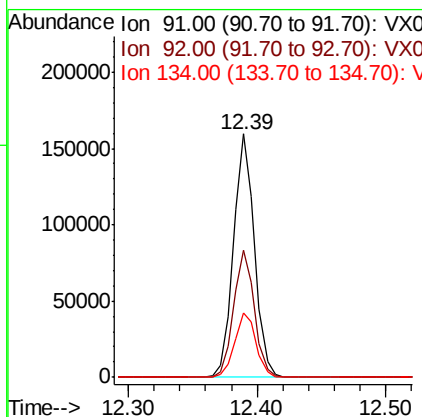
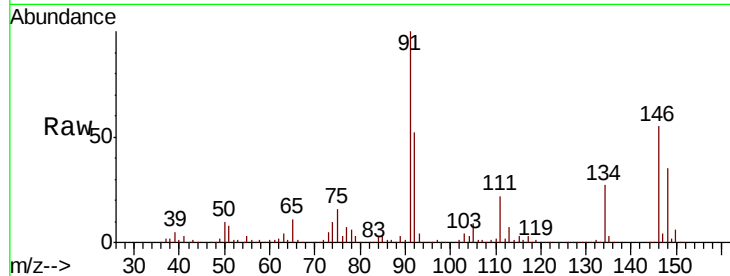
#89
n-Butylbenzene
Concen: 19.031 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX004649.D
Acq: 18 Sep 2018 11:22

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.5	27.3	81.9
134	26.9	13.6	40.7

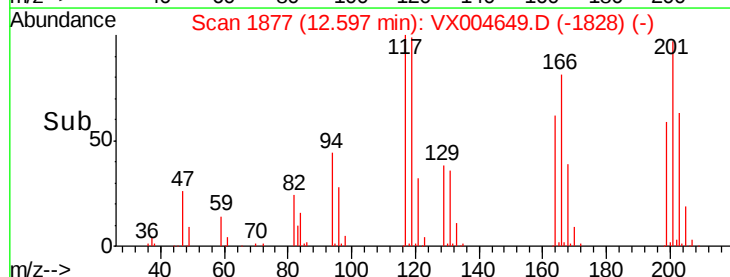
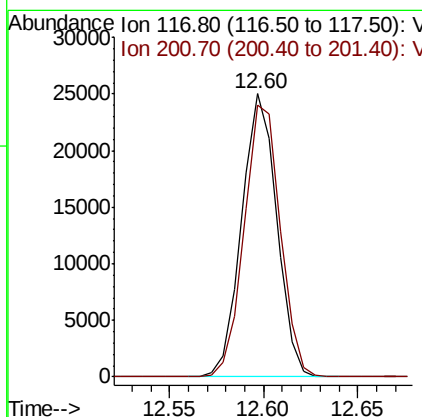
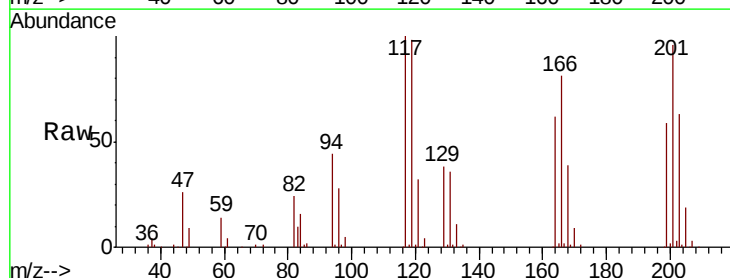
Manual Integrations
APPROVED

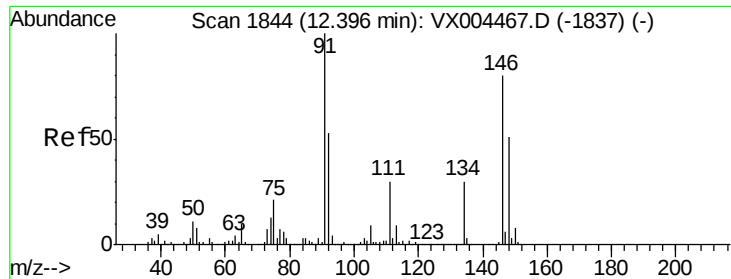
MMDadoda
9/19/2018 12:51:04 PM



#90
Hexachloroethane
Concen: 19.297 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX004649.D
Acq: 18 Sep 2018 11:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	98.9	46.9	140.6





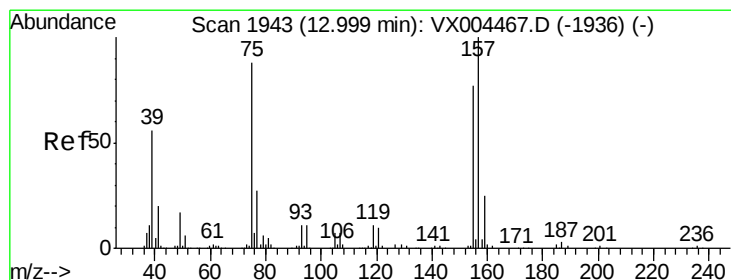
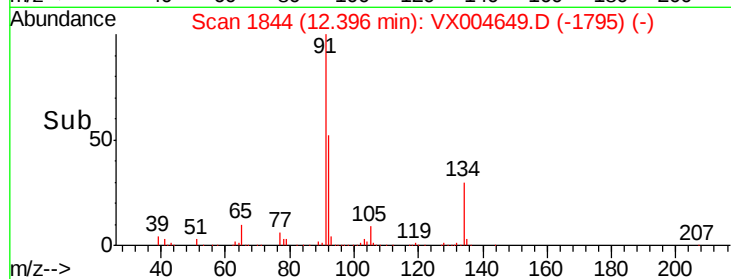
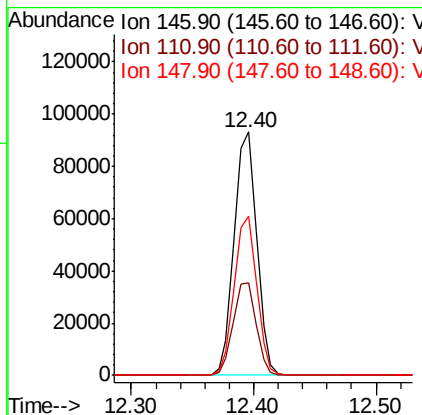
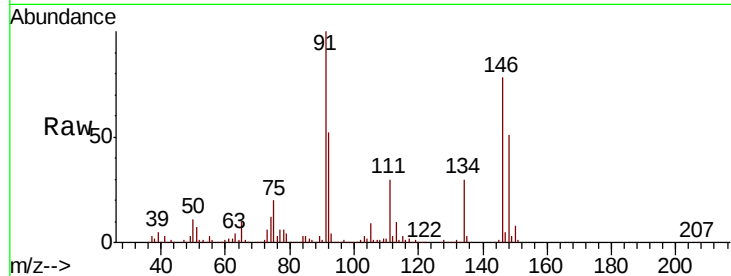
#91
1,2-Dichlorobenzene
Concen: 19.589 ug/l
RT: 12.40 min Scan# 1844
Delta R.T. -0.00 min
Lab File: VX004649.D
Acq: 18 Sep 2018 11:22

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.4	58.1
148	65.2	32.8	98.3

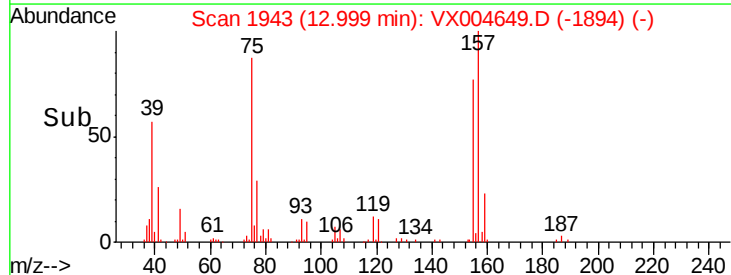
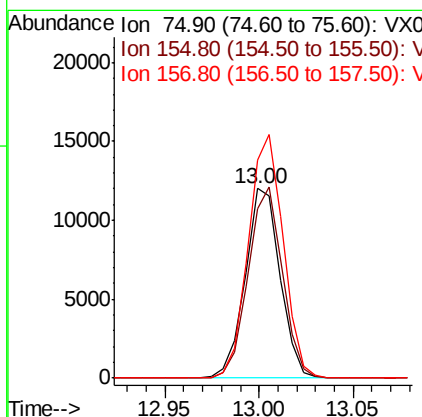
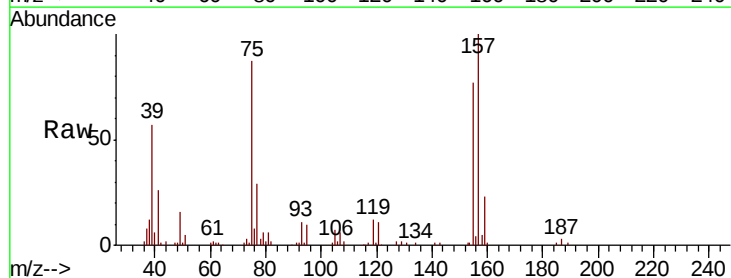
Manual Integrations
APPROVED

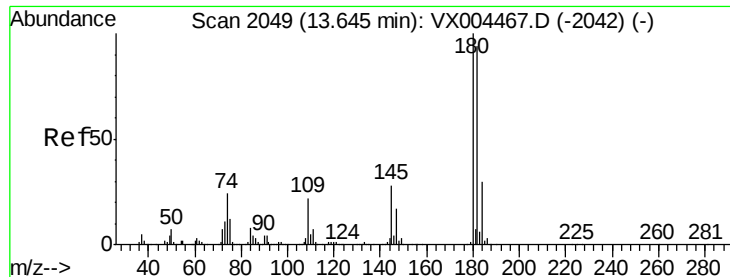
MMDadoda
9/19/2018 12:51:04 PM



#92
1,2-Dibromo-3-Chloropropane
Concen: 19.327 ug/l
RT: 13.00 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VX004649.D
Acq: 18 Sep 2018 11:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.4	48.0	144.2
157	127.3	61.4	184.1





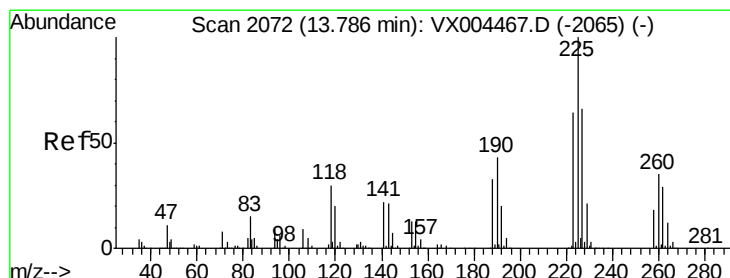
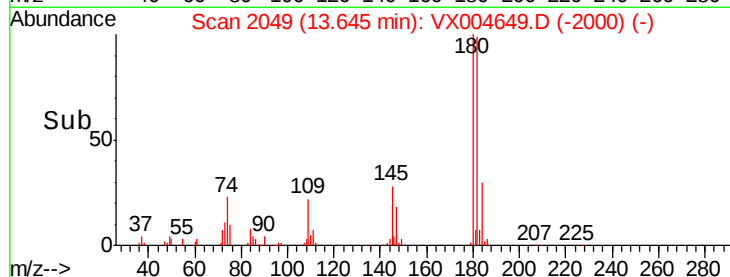
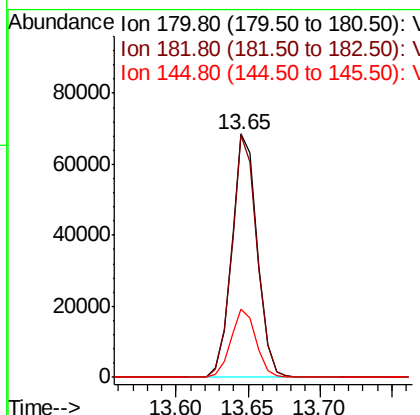
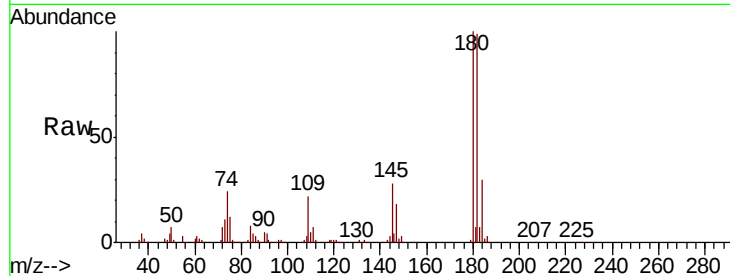
#93
1,2,4-Trichlorobenzene
Concen: 19.728 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VX004649.D
Acq: 18 Sep 2018 11:22

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	84686		
182	97.9	48.4	145.0	
145	27.9	14.3	42.9	

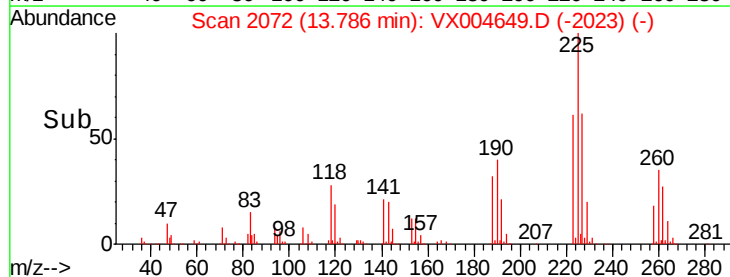
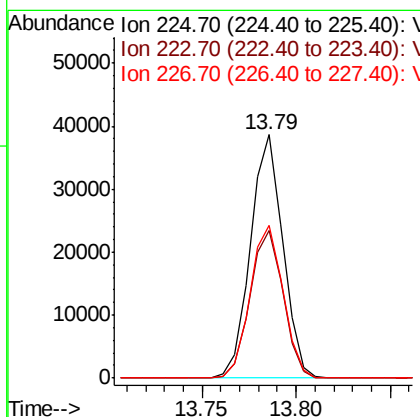
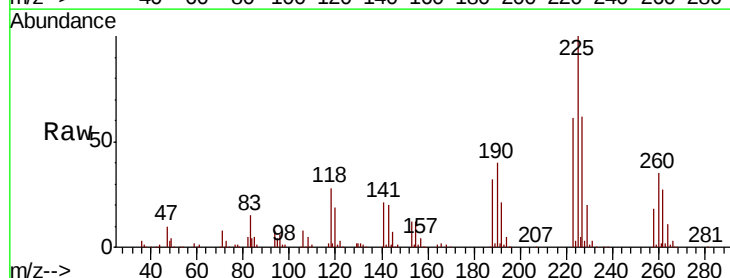
Manual Integrations
APPROVED

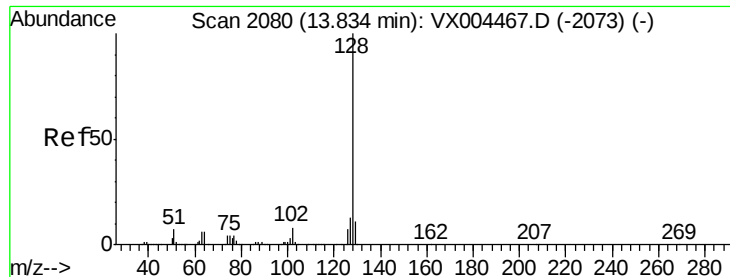
MMDadoda
9/19/2018 12:51:04 PM



#94
Hexachlorobutadiene
Concen: 20.514 ug/l
RT: 13.79 min Scan# 2072
Delta R.T. -0.00 min
Lab File: VX004649.D
Acq: 18 Sep 2018 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	45999		
223	62.1	30.1	90.5	
227	63.9	30.8	92.4	





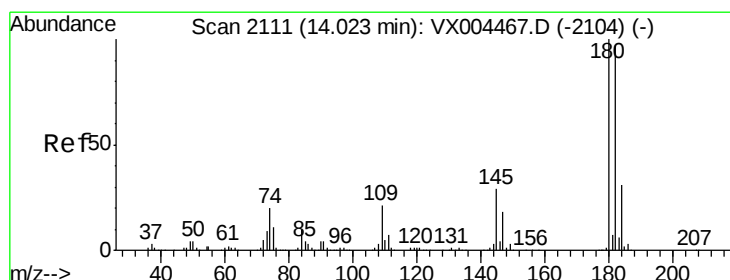
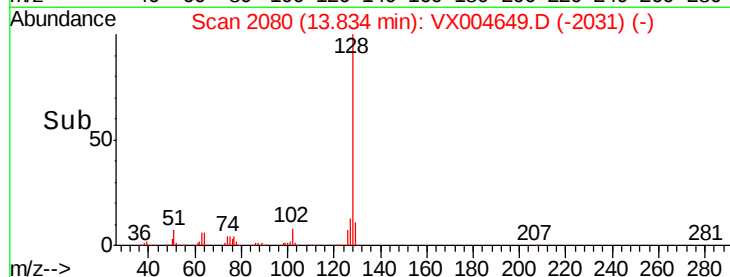
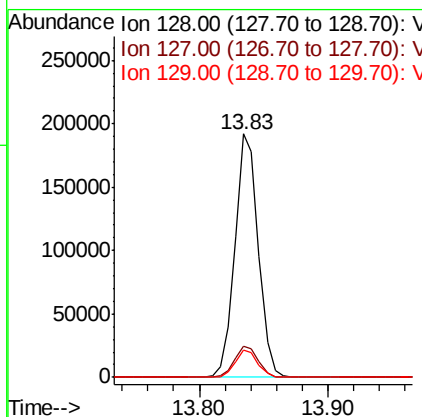
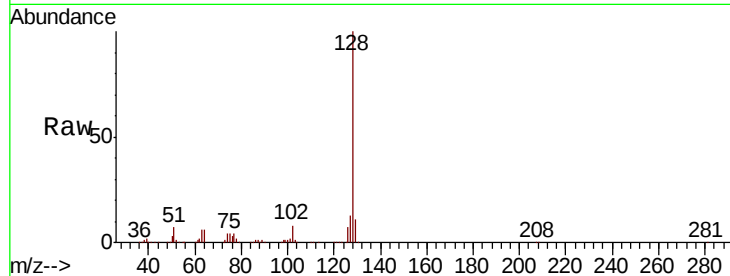
#95
Naphthalene
Concen: 20.104 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX004649.D
Acq: 18 Sep 2018 11:22

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	242058		
127	12.9	10.2	15.2	
129	11.0	8.6	12.8	

Manual Integrations
APPROVED

MMDadoda
9/19/2018 12:51:04 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.307 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX004649.D
Acq: 18 Sep 2018 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	89557		
182	95.7	48.5	145.6	
145	29.5	14.9	44.9	

