

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100418\
 Data File : VX005021.D
 Acq On : 04 Oct 2018 16:28
 Operator : JC/MD
 Sample : VX1004WBS03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1004WBS03

Manual Integrations
 APPROVED

MMDadoda
 10/5/2018 3:24:52 PM

Quant Time: Oct 05 03:49:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	246014	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	373203	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	348761	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	206471	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	169379	48.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.40%	
35) Dibromofluoromethane	5.51	113	138465	43.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.56%	
50) Toluene-d8	8.72	98	519842	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
62) 4-Bromofluorobenzene	11.14	95	189335	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	65752	19.602	ug/l	97
3) Chloromethane	1.32	50	73753	18.123	ug/l	100
4) Vinyl Chloride	1.40	62	74840	19.608	ug/l	98
5) Bromomethane	1.64	94	44162	19.511	ug/l	97
6) Chloroethane	1.72	64	43863	19.675	ug/l	97
7) Trichlorofluoromethane	1.93	101	94958	20.096	ug/l	95
8) Diethyl Ether	2.19	74	41147	20.044	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	54574	20.275	ug/l	99
10) Methyl Iodide	2.51	142	50955	14.147	ug/l	93
11) Tert butyl alcohol	3.07	59	106493	108.375	ug/l	99
12) 1,1-Dichloroethene	2.37	96	51444	19.299	ug/l	97
13) Acrolein	2.29	56	17867	25.556	ug/l	90
14) Allyl chloride	2.73	41	117698	20.236	ug/l	96
15) Acrylonitrile	3.15	53	229578	106.131	ug/l	96
16) Acetone	2.45	43	204662	99.751	ug/l	92
17) Carbon Disulfide	2.57	76	139961	17.473	ug/l	99
18) Methyl Acetate	2.78	43	126410	24.318	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	200897	21.849	ug/l	96
20) Methylene Chloride	2.85	84	63571	20.821	ug/l	88
21) trans-1,2-Dichloroethene	3.16	96	56906	19.502	ug/l	85
22) Diisopropyl ether	3.87	45	199970	20.418	ug/l	98
23) Vinyl Acetate	3.82	43	875635	97.672	ug/l	99
24) 1,1-Dichloroethane	3.70	63	113471	19.423	ug/l	100
25) 2-Butanone	4.70	43	304443	100.666	ug/l	96
26) 2,2-Dichloropropane	4.59	77	82024	20.162	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	62468	19.163	ug/l	91
28) Bromochloromethane	5.02	49	47242	17.172	ug/l	99
29) Tetrahydrofuran	5.16	42	197895	105.279	ug/l	98
30) Chloroform	5.21	83	105150	19.044	ug/l	99
31) Cyclohexane	5.57	56	89950	20.116	ug/l	89
32) 1,1,1-Trichloroethane	5.49	97	88226	19.565	ug/l	95
36) 1,1-Dichloropropene	5.80	75	74292	17.215	ug/l	95
37) Ethyl Acetate	4.86	43	105195	18.364	ug/l	98
38) Carbon Tetrachloride	5.78	117	75058	16.546	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100418\
 Data File : VX005021.D
 Acq On : 04 Oct 2018 16:28
 Operator : JC/MD
 Sample : VX1004WBS03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX1004WBS03

Manual Integrations
 APPROVED

MMDadoda
 10/5/2018 3:24:52 PM

Quant Time: Oct 05 03:49:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	82691	18.766	ug/l	86
40) Benzene	6.14	78	242734	17.967	ug/l	94
41) Methacrylonitrile	5.06	41	59148	18.619	ug/l	96
42) 1,2-Dichloroethane	6.20	62	84273	17.645	ug/l	98
43) Isopropyl Acetate	6.46	43	153474	18.563	ug/l	96
44) Trichloroethene	7.21	130	64927	19.549	ug/l	100
45) 1,2-Dichloropropane	7.52	63	63950	19.302	ug/l	97
46) Dibromomethane	7.66	93	40918	19.652	ug/l	100
47) Bromodichloromethane	7.90	83	77208	19.805	ug/l	100
48) Methyl methacrylate	7.78	41	78341	20.876	ug/l	98
49) 1,4-Dioxane	7.76	88	37326	400.357	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	557445	107.080	ug/l	99
52) Toluene	8.79	92	147014	19.803	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	83533	18.962	ug/l	92
54) cis-1,3-Dichloropropene	8.44	75	94422	20.463	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	62403	19.190	ug/l	96
56) Ethyl methacrylate	9.18	69	95184	19.868	ug/l	96
57) 1,3-Dichloropropane	9.37	76	104943	19.390	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	272618	105.997	ug/l	99
59) 2-Hexanone	9.50	43	437505	100.850	ug/l	96
60) Dibromochloromethane	9.59	129	60930	18.736	ug/l	98
61) 1,2-Dibromoethane	9.68	107	64342	18.476	ug/l	96
64) Tetrachloroethene	9.34	164	63925	18.623	ug/l	96
65) Chlorobenzene	10.14	112	164561	18.401	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	58746	18.685	ug/l	99
67) Ethyl Benzene	10.26	91	270360	19.041	ug/l	95
68) m/p-Xylenes	10.36	106	213985	38.567	ug/l	96
69) o-Xylene	10.70	106	102031	20.021	ug/l	100
70) Styrene	10.71	104	170855	19.299	ug/l	99
71) Bromoform	10.86	173	48767	18.118	ug/l	96
73) Isopropylbenzene	11.02	105	274467	21.090	ug/l	100
74) N-amyl acetate	10.90	43	130353	19.334	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	99675	18.815	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	94552m	20.431	ug/l	
77) Bromobenzene	11.26	156	74796	19.787	ug/l	100
78) n-propylbenzene	11.36	91	307596	20.600	ug/l	99
79) 2-Chlorotoluene	11.42	91	190354	20.452	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	230284	19.184	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	26683	17.088	ug/l	95
82) 4-Chlorotoluene	11.51	91	220884	20.162	ug/l	100
83) tert-Butylbenzene	11.77	119	226819	21.168	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	240102	19.398	ug/l	98
85) sec-Butylbenzene	11.94	105	270562	20.731	ug/l	100
86) p-Isopropyltoluene	12.07	119	240043	20.301	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	135370	19.178	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	137145	18.822	ug/l	99
89) n-Butylbenzene	12.39	91	207654	19.337	ug/l	100
90) Hexachloroethane	12.60	117	35241	17.900	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	136770	18.542	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	23600	20.289	ug/l	99

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX100418\
Data File : VX005021.D
Acq On : 04 Oct 2018 16:28
Operator : JC/MD
Sample : VX1004WBS03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 57 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1004WBS03

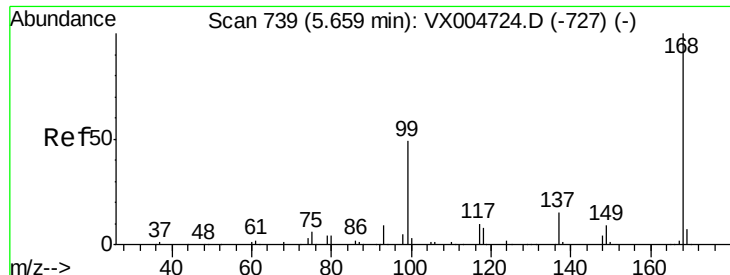
Manual Integrations
APPROVED

MMDadoda
10/5/2018 3:24:52 PM

Quant Time: Oct 05 03:49:41 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 03 04:00:03 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	98296	18.996	ug/l	100
94) Hexachlorobutadiene	13.79	225	47076	17.545	ug/l	98
95) Naphthalene	13.83	128	317420	18.936	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	102739	19.221	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

Instrument :

MSVOA_X

ClientSampleId :

VX1004WBS03

Tot Ion:168 Resp: 246014

Ion Ratio Lower Upper

168 100

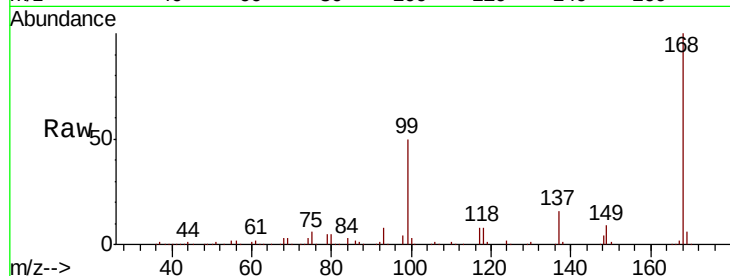
99 50.2 39.3 58.9

Manual Integrations

APPROVED

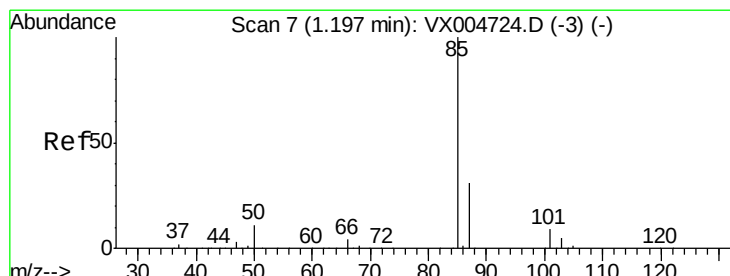
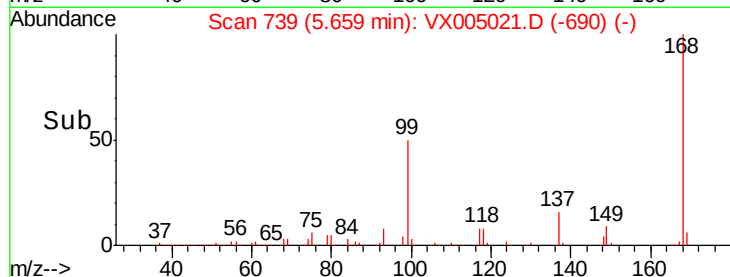
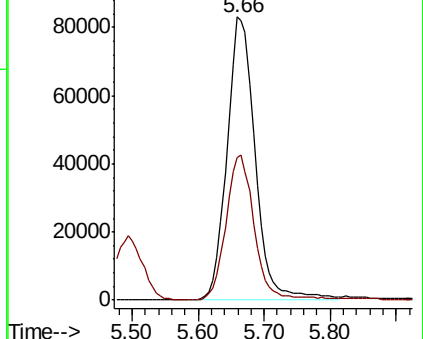
MMDadoda

10/5/2018 3:24:52 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 19.602 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX005021.D

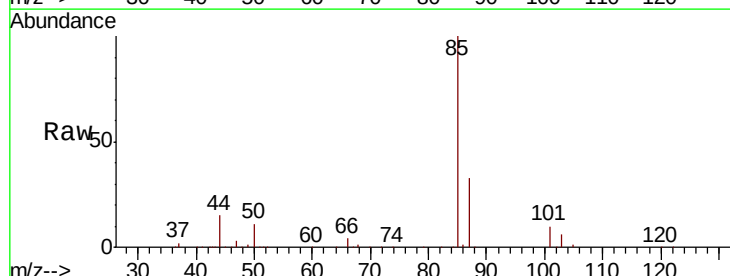
Acq: 04 Oct 2018 16:28

Tgt Ion: 85 Resp: 65752

Ion Ratio Lower Upper

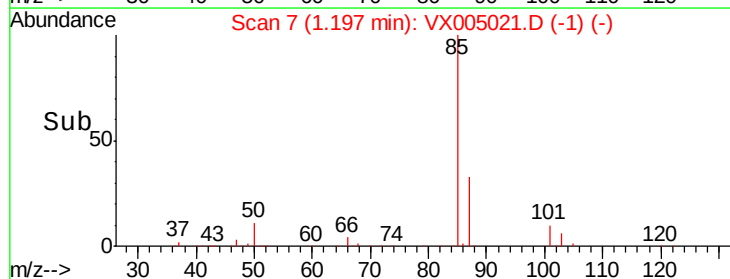
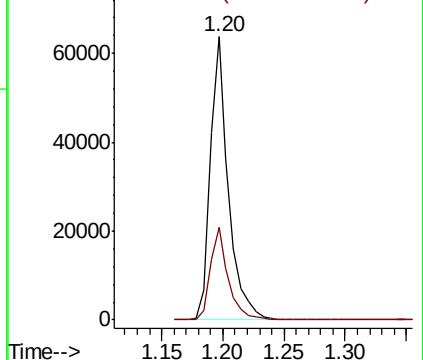
85 100

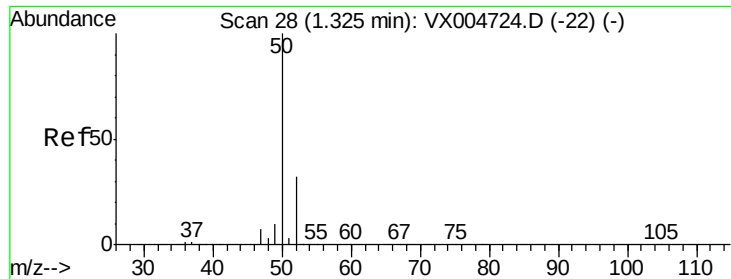
87 32.9 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 18.123 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

Instrument :

MSVOA_X

ClientSampleId :

VX1004WBS03

Tot Ion: 50 Resp: 73753

Ion Ratio Lower Upper

50 100

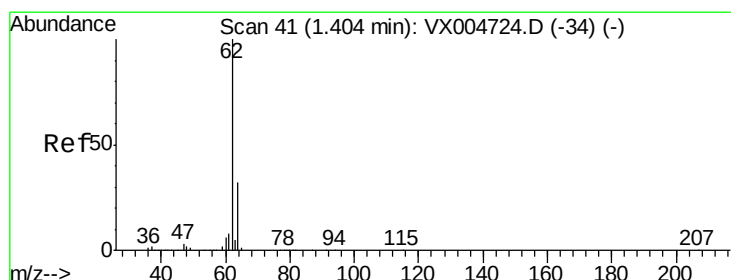
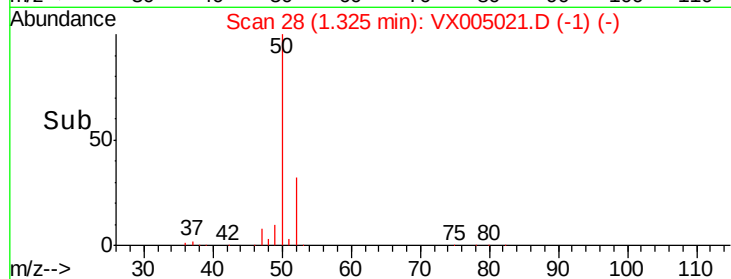
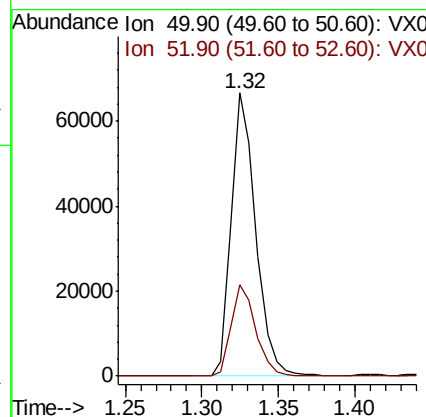
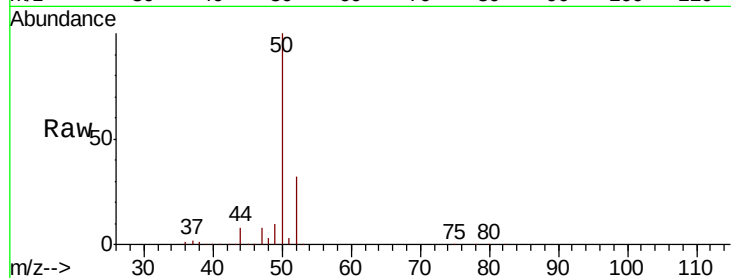
52 32.1 25.8 38.6

Manual Integrations

APPROVED

MMDadoda

10/5/2018 3:24:52 PM



#4

Vinyl Chloride

Concen: 19.608 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX005021.D

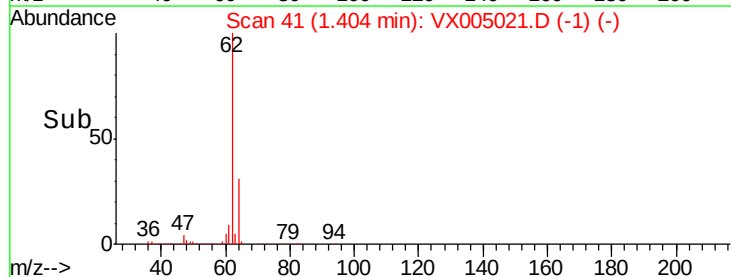
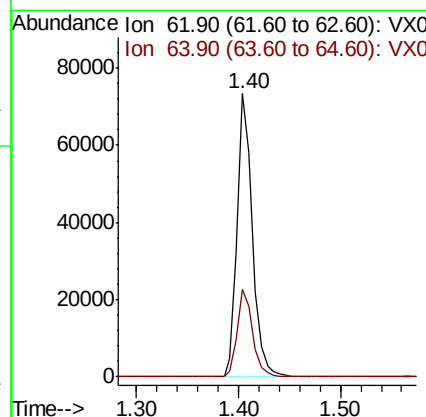
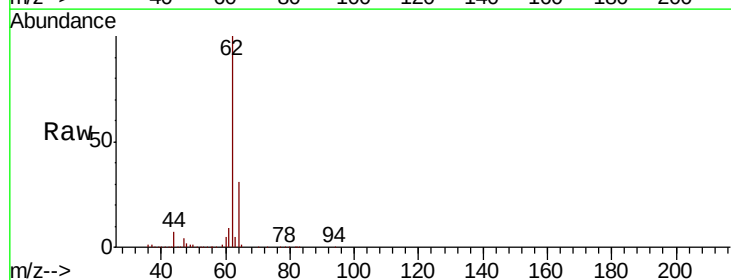
Acq: 04 Oct 2018 16:28

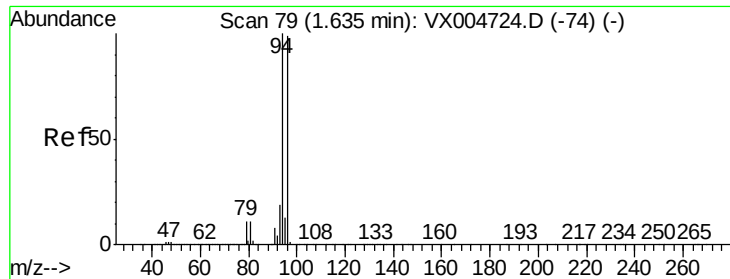
Tgt Ion: 62 Resp: 74840

Ion Ratio Lower Upper

62 100

64 31.0 25.5 38.3





#5

Bromomethane

Concen: 19.511 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

Instrument :

MSVOA_X

ClientSampleId :

VX1004WBS03

Tot Ion: 94 Resp: 44162

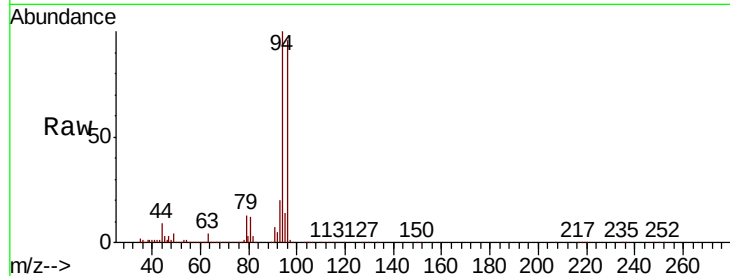
Ion Ratio Lower Upper

94 100

96 96.2 79.5 119.3

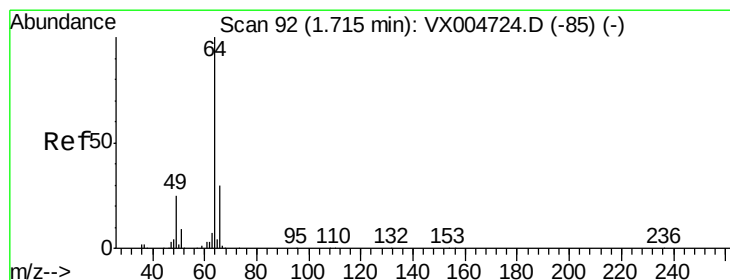
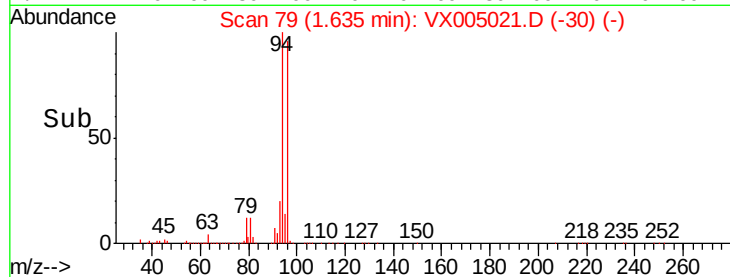
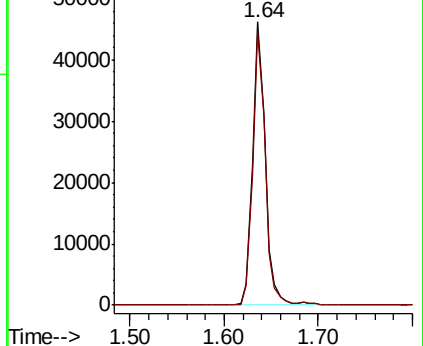
Manual Integrations
APPROVED

MMDadoda
10/5/2018 3:24:52 PM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 19.675 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005021.D

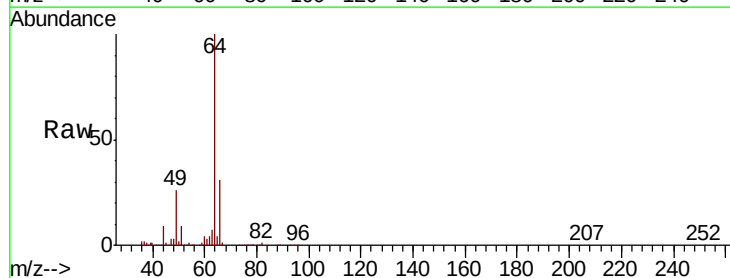
Acq: 04 Oct 2018 16:28

Tgt Ion: 64 Resp: 43863

Ion Ratio Lower Upper

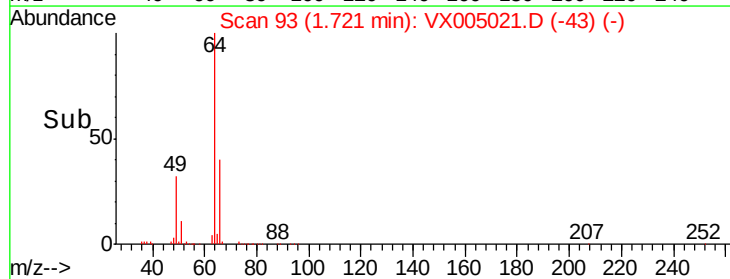
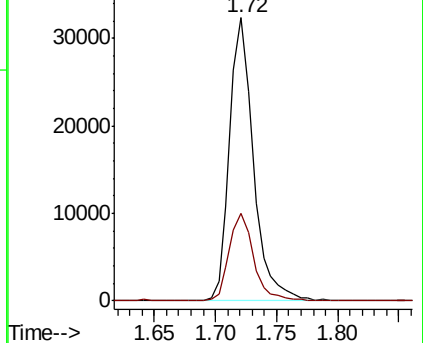
64 100

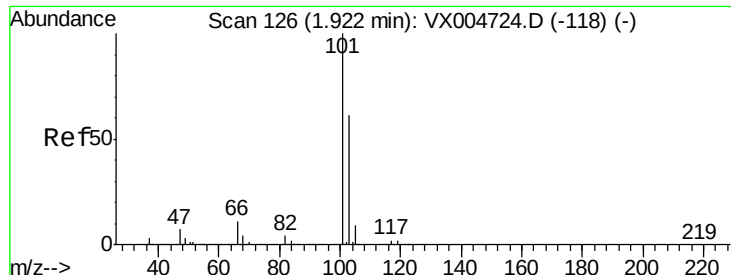
66 31.1 23.8 35.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

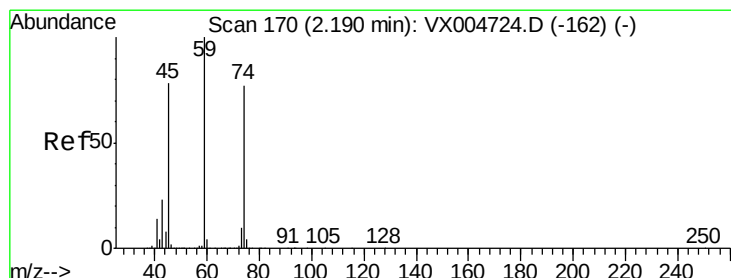
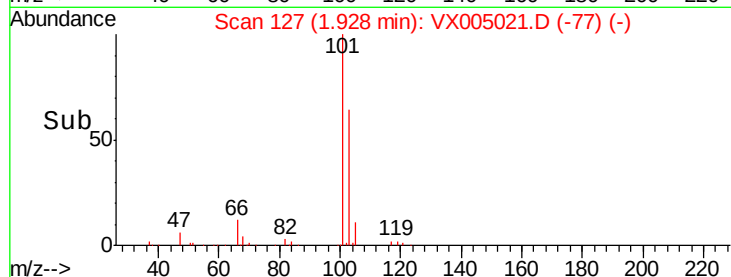
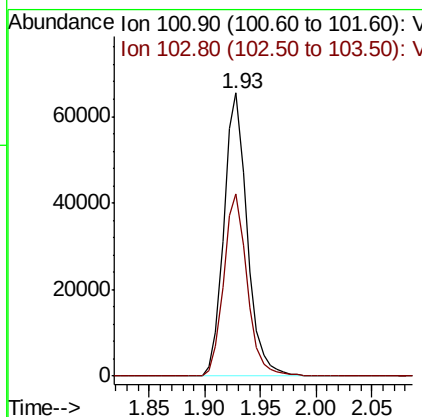
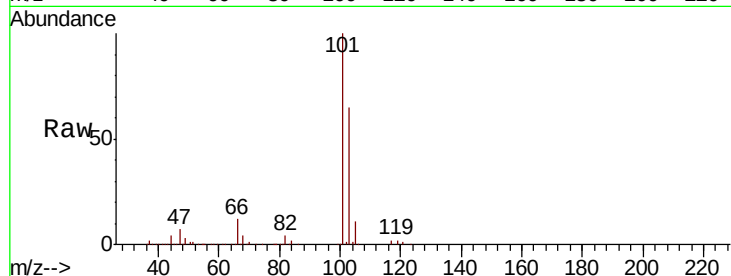
Trichlorofluoromethane
 Concen: 20.096 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX005021.D
 Acq: 04 Oct 2018 16:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1004WBS03

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	48.4	72.6

Manual Integrations
 APPROVED

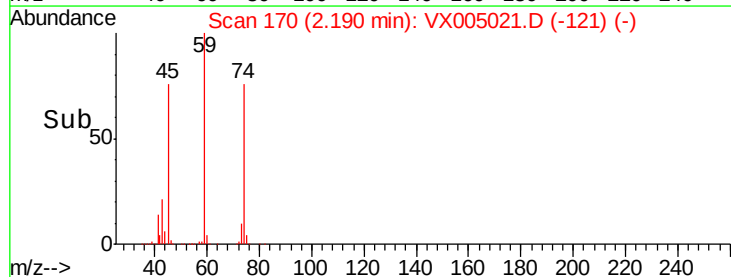
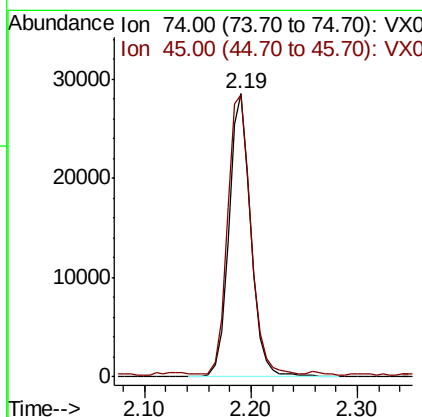
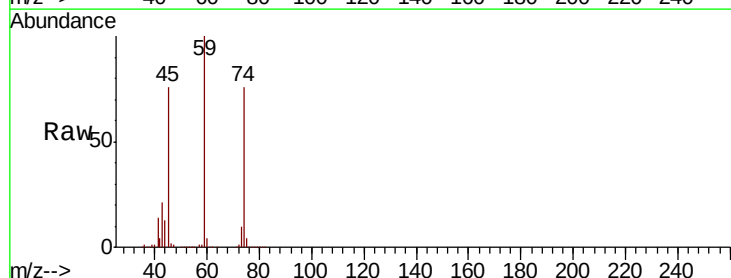
MMDadoda
 10/5/2018 3:24:52 PM

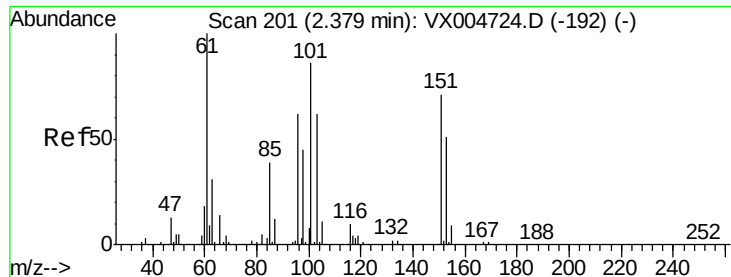


#8

Diethyl Ether
 Concen: 20.044 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX005021.D
 Acq: 04 Oct 2018 16:28

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.4	52.5	157.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.275 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

Instrument :

MSVOA_X

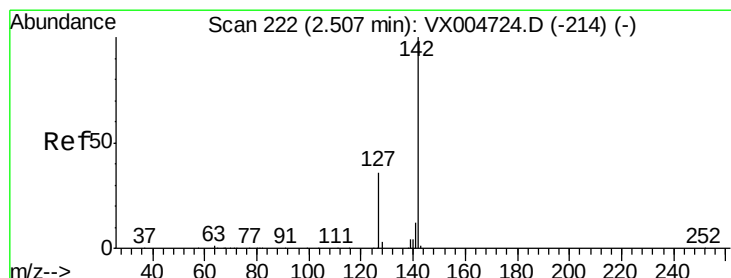
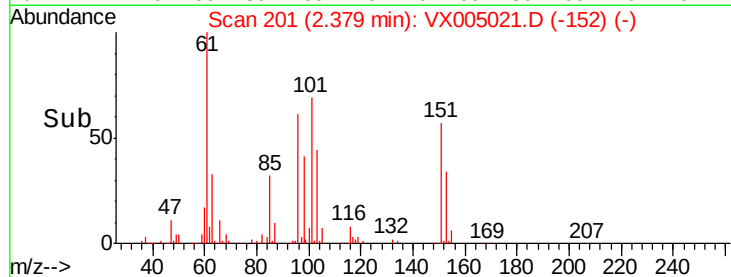
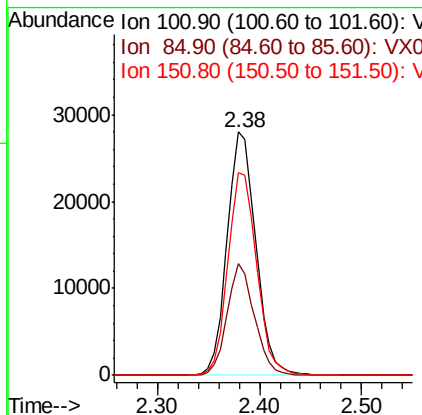
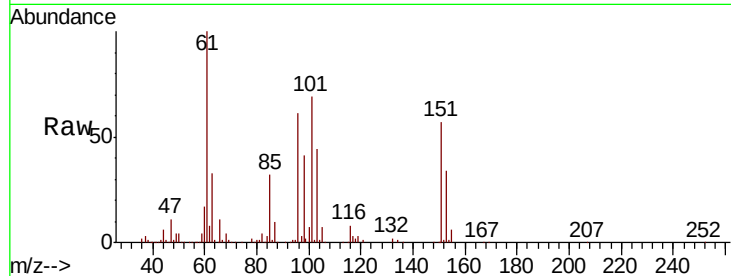
ClientSampleId :

VX1004WBS03

Tot Ion:	101	Resp:	54574
Ion Ratio	Lower	Upper	
101	100		
85	43.8	35.9	53.9
151	83.7	66.6	100.0

Manual Integrations
APPROVED

MMDadoda
10/5/2018 3:24:52 PM



#10

Methyl Iodide

Concen: 14.147 ug/l

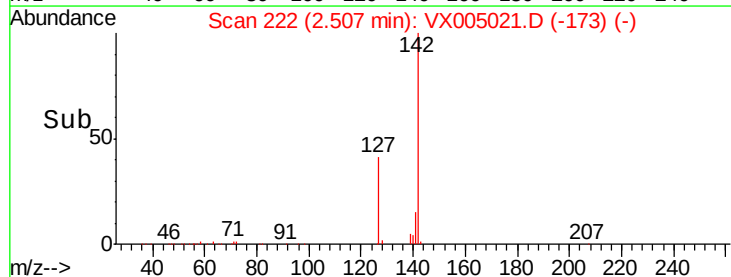
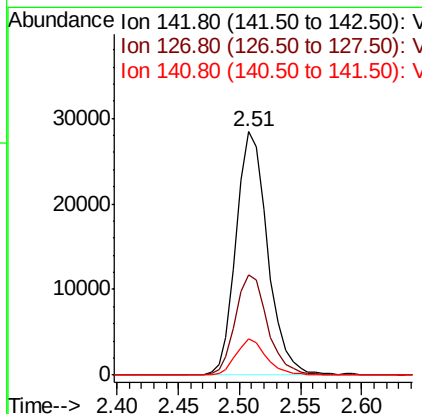
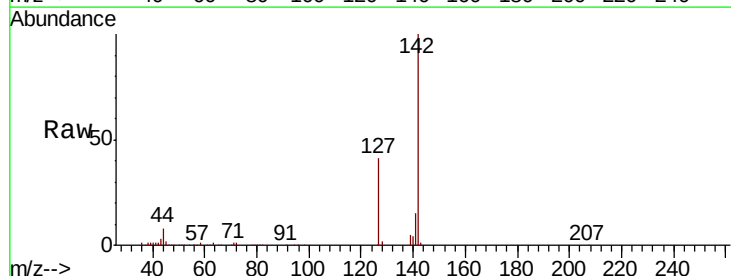
RT: 2.51 min Scan# 222

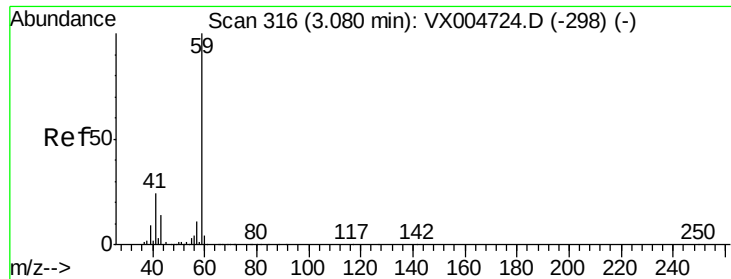
Delta R.T. 0.00 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

Tgt Ion:	142	Resp:	50955
Ion Ratio	Lower	Upper	
142	100		
127	42.3	30.1	45.1
141	14.4	10.1	15.1





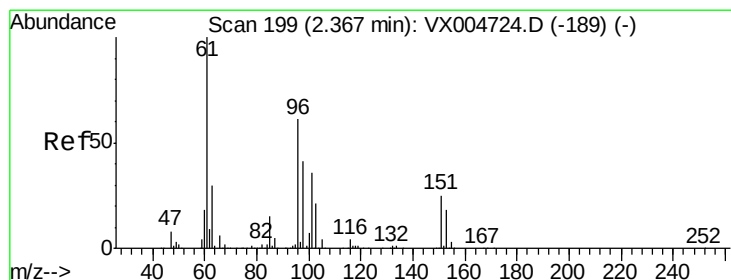
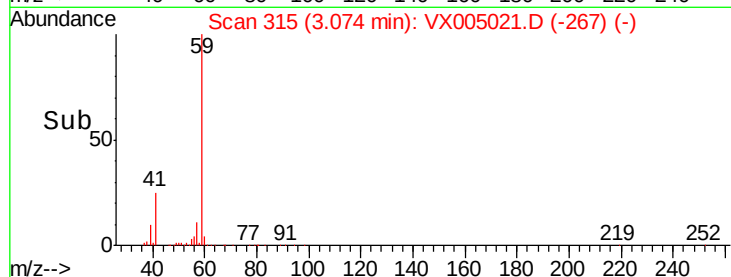
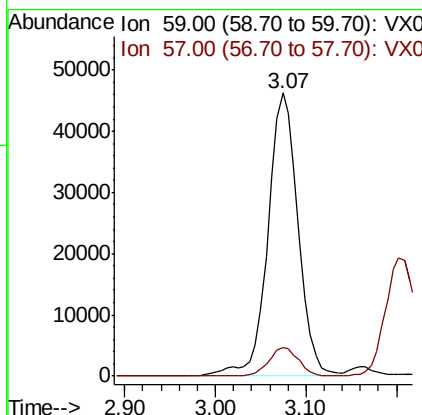
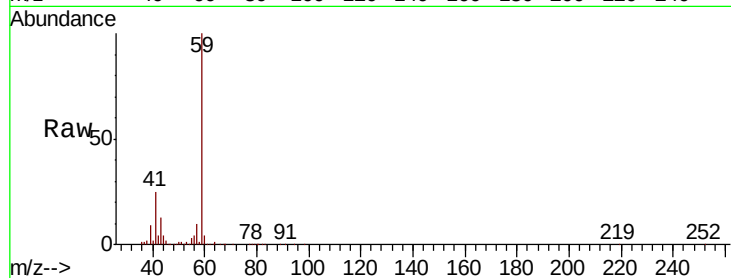
#11
Tert butyl alcohol
Concen: 108.375 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX005021.D
Acq: 04 Oct 2018 16:28

Instrument :
MSVOA_X
ClientSampleId :
VX1004WBS03

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.6	12.8

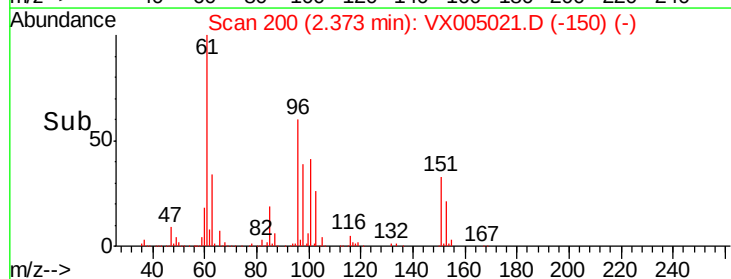
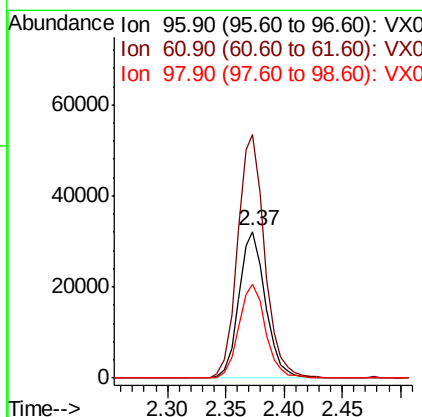
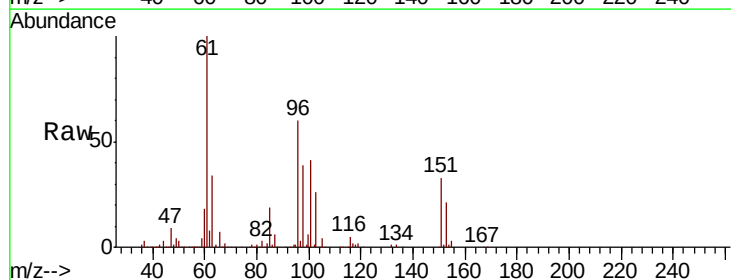
Manual Integrations
APPROVED

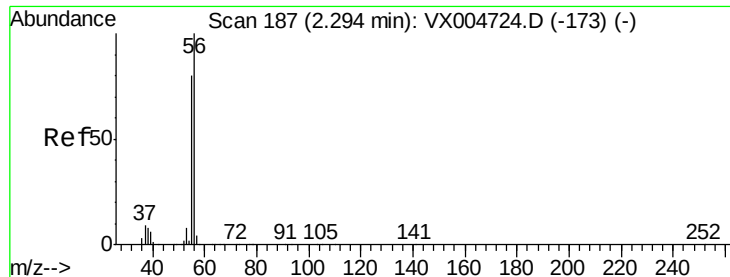
MMDadoda
10/5/2018 3:24:52 PM



#12
1,1-Dichloroethene
Concen: 19.299 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX005021.D
Acq: 04 Oct 2018 16:28

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.2	130.2	195.4
98	64.5	53.4	80.0





#13

Acrolein

Concen: 25.556 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

Instrument :

MSVOA_X

ClientSampleId :

VX1004WBS03

Tot Ion: 56 Resp: 17867

Ion Ratio Lower Upper

56 100

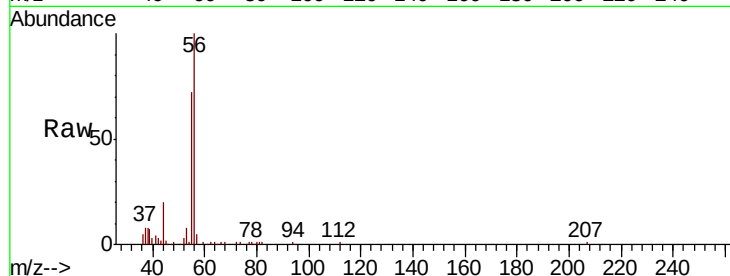
55 70.4 63.4 95.2

Manual Integrations

APPROVED

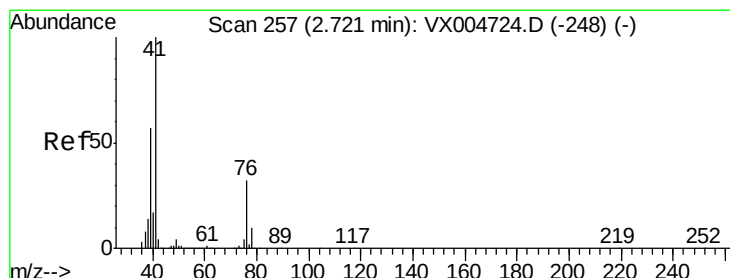
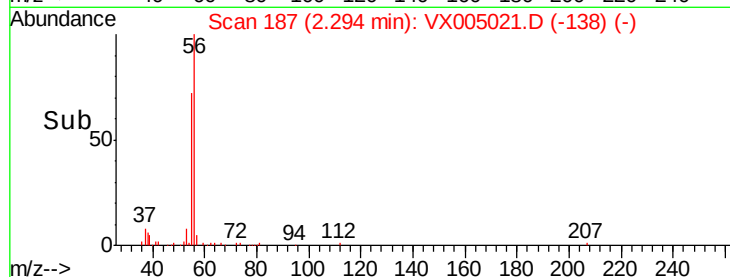
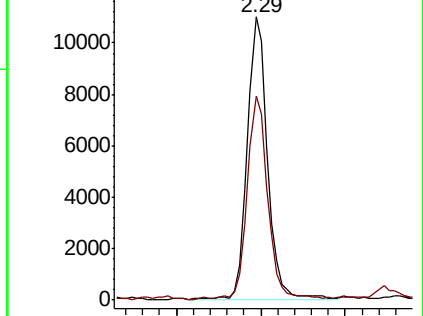
MMDadoda

10/5/2018 3:24:52 PM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 20.236 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

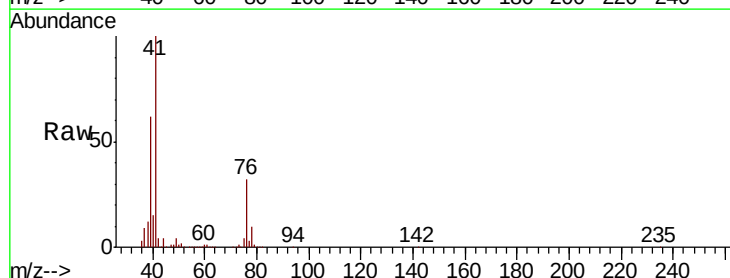
Tgt Ion: 41 Resp: 117698

Ion Ratio Lower Upper

41 100

39 57.5 44.1 66.1

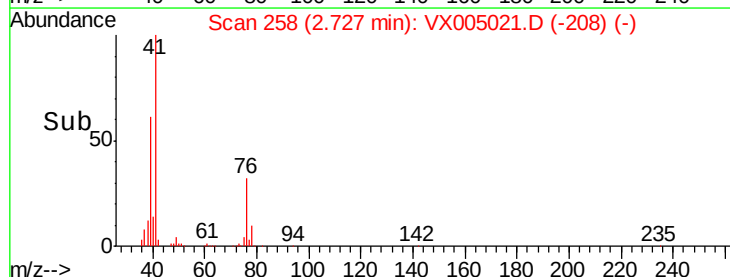
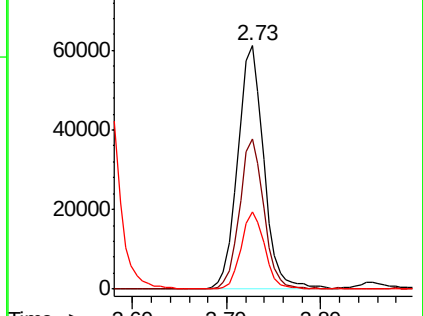
76 29.0 25.0 37.4

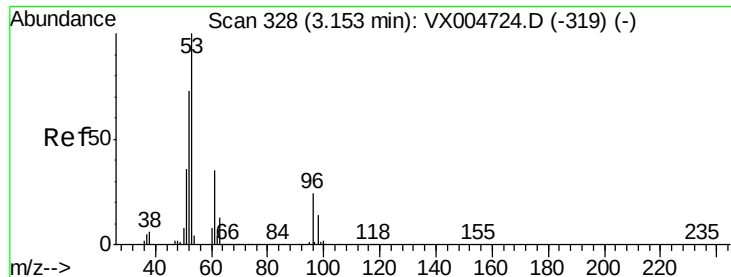


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 106.131 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

Instrument :

MSVOA_X

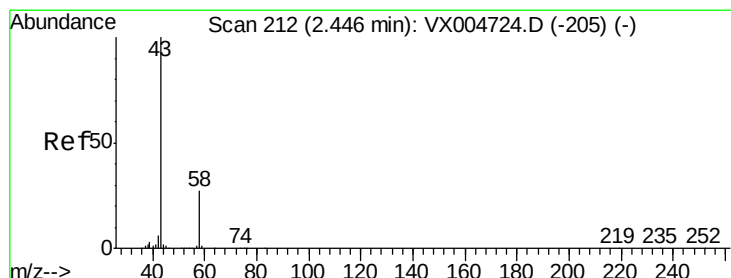
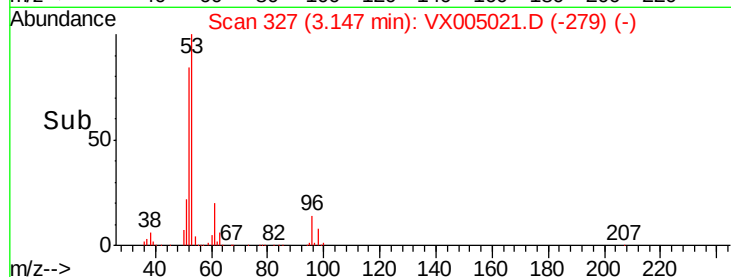
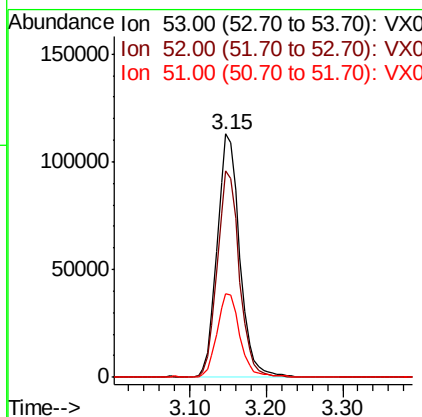
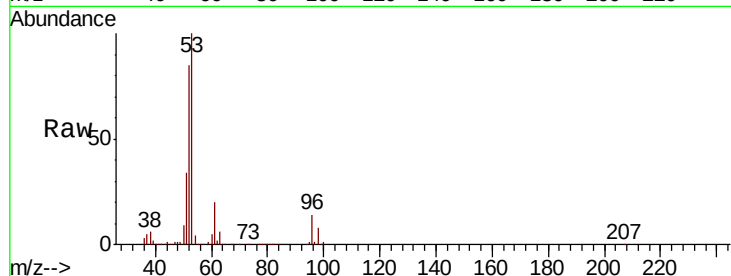
ClientSampleId :

VX1004WBS03

Tot Ion:	53	Resp:	229578
Ion Ratio		Lower	Upper
53	100		
52	83.1	63.0	94.4
51	35.0	28.6	42.8

Manual Integrations
APPROVED

MMDadoda
10/5/2018 3:24:52 PM



#16

Acetone

Concen: 99.751 ug/l

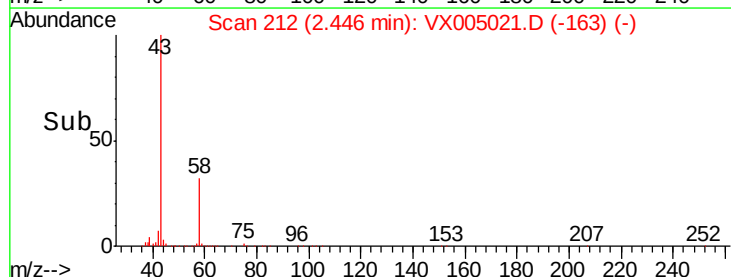
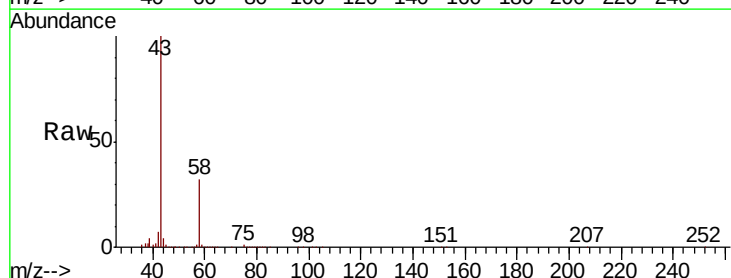
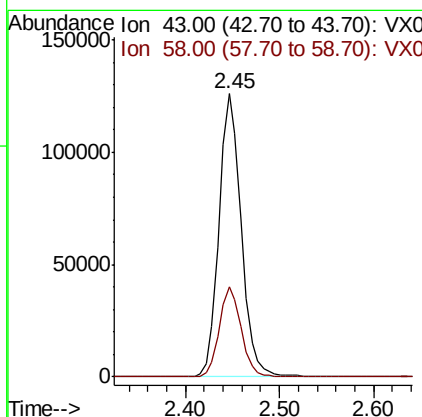
RT: 2.45 min Scan# 212

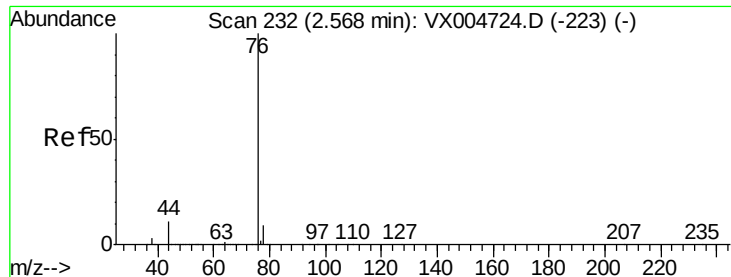
Delta R.T. 0.00 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

Tgt Ion:	43	Resp:	204662
Ion Ratio		Lower	Upper
43	100		
58	31.6	21.8	32.6





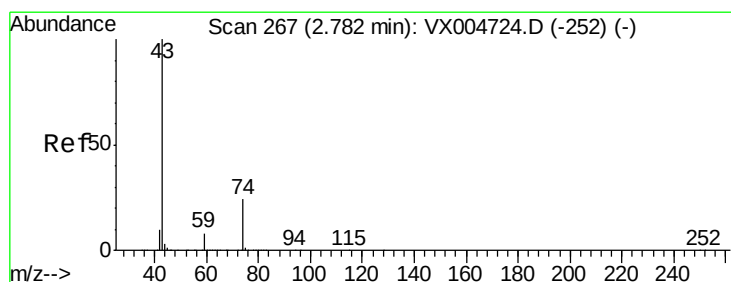
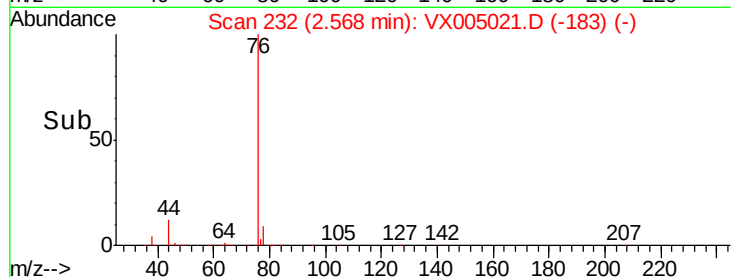
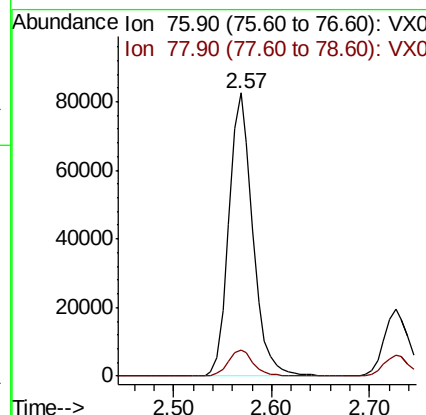
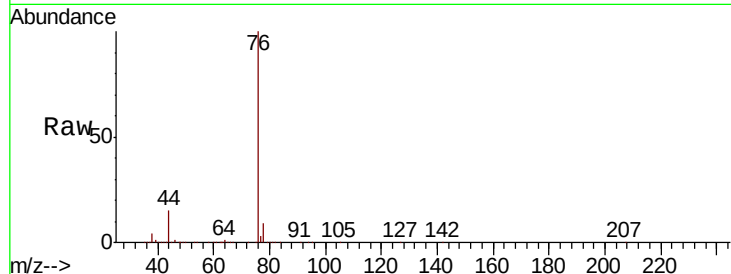
#17
Carbon Disulfide
Concen: 17.473 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX005021.D
Acq: 04 Oct 2018 16:28

Instrument :
MSVOA_X
ClientSampleId :
VX1004WBS03

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.0	10.6

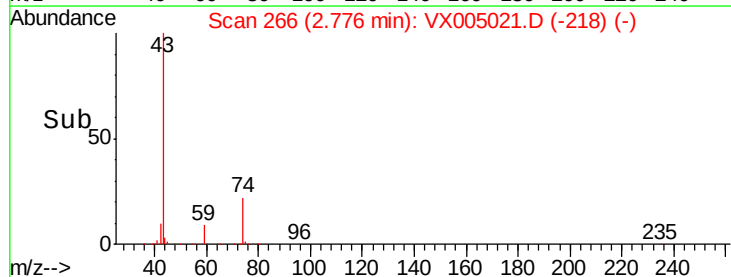
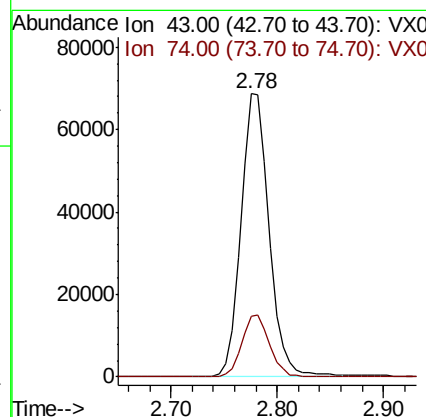
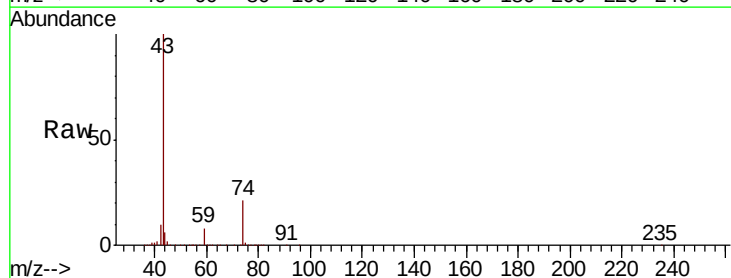
Manual Integrations
APPROVED

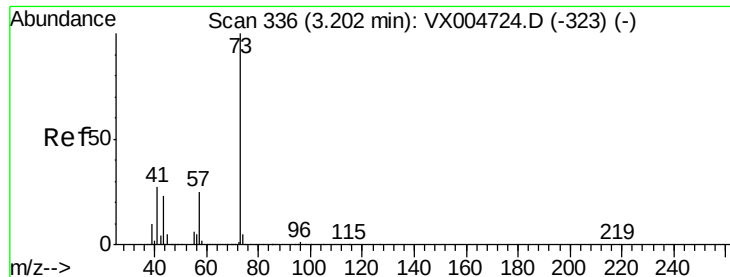
MMDadoda
10/5/2018 3:24:52 PM



#18
Methyl Acetate
Concen: 24.318 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005021.D
Acq: 04 Oct 2018 16:28

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.0	17.8	26.8





#19

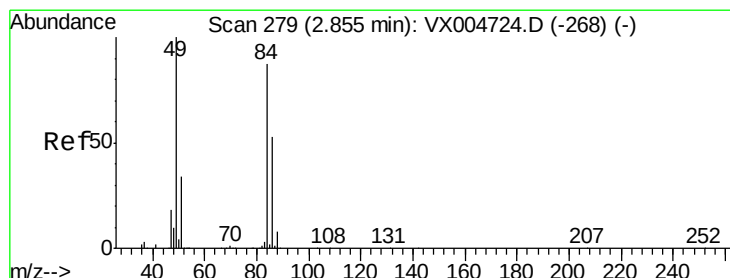
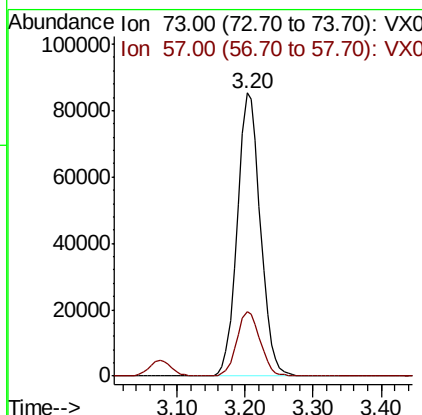
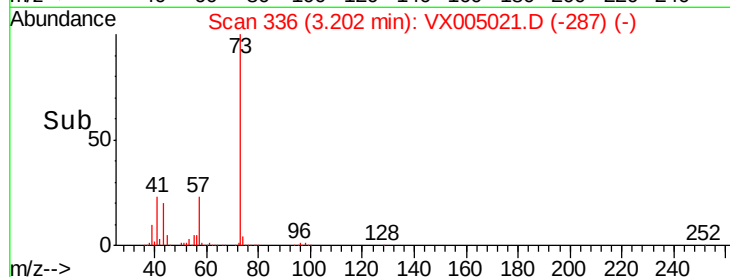
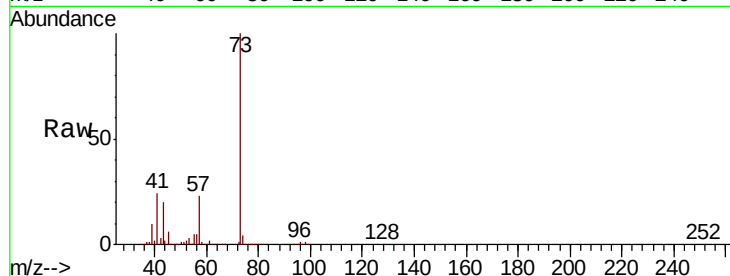
Methyl tert-butyl Ether
 Concen: 21.849 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. 0.00 min
 Lab File: VX005021.D
 Acq: 04 Oct 2018 16:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1004WBS03

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.7	19.9	29.9

Manual Integrations
 APPROVED

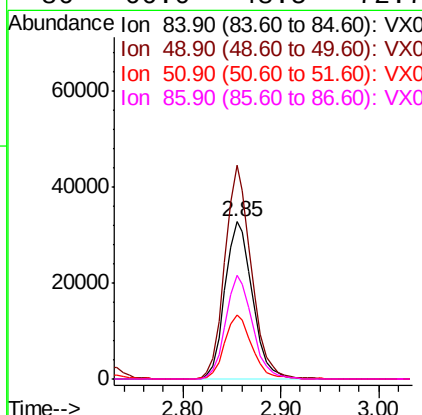
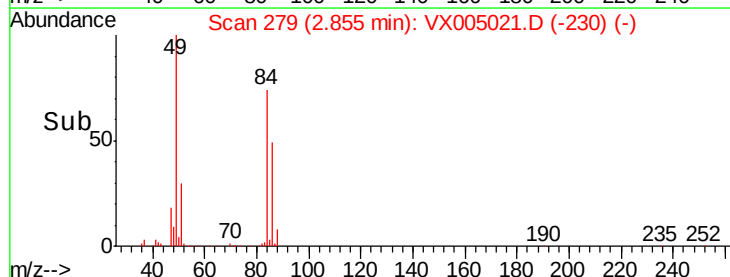
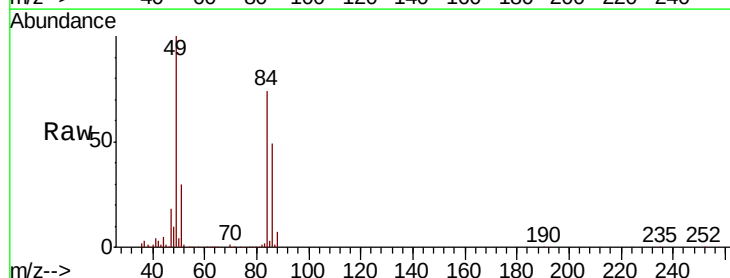
MMDadoda
 10/5/2018 3:24:52 PM

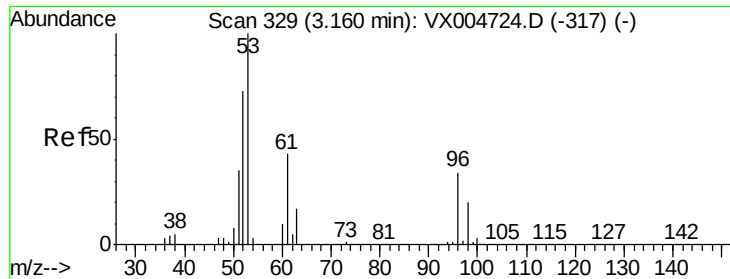


#20

Methylene Chloride
 Concen: 20.821 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX005021.D
 Acq: 04 Oct 2018 16:28

Tgt Ion	Ratio	Lower	Upper
84	100		
49	135.8	92.3	138.5
51	40.5	31.8	47.6
86	66.0	48.5	72.7





#21

trans-1,2-Dichloroethene

Concen: 19.502 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

Instrument :

MSVOA_X

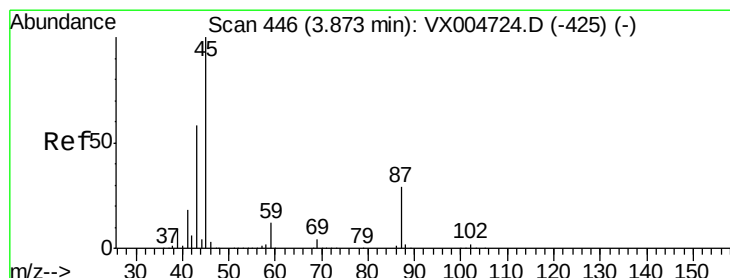
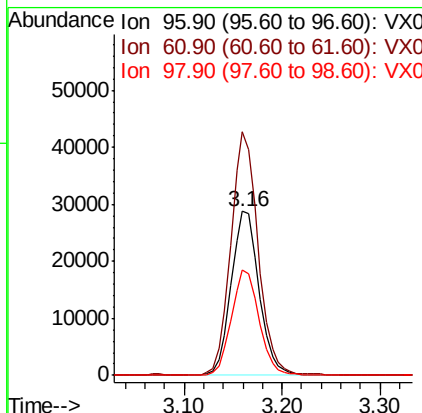
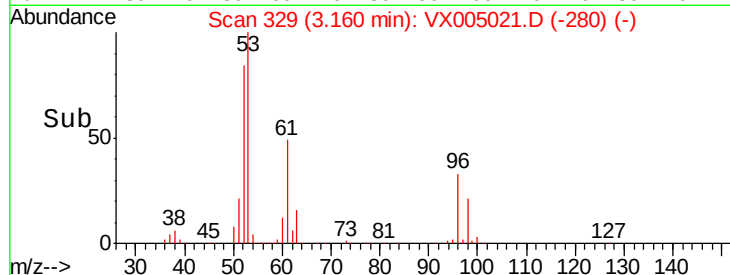
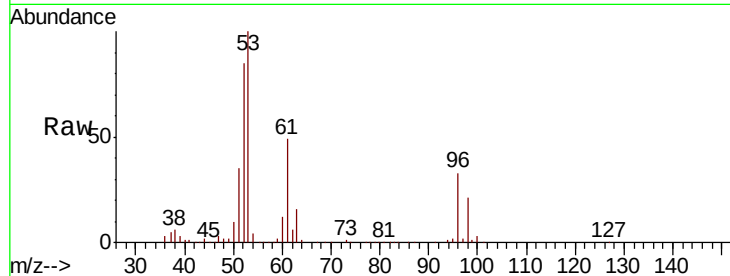
ClientSampleId :

VX1004WBS03

Tot Ion:	96	Resp:	56906
Ion	Ratio	Lower	Upper
96	100		
61	148.1	101.0	151.6
98	64.6	47.2	70.8

Manual Integrations
APPROVED

MMDadoda
10/5/2018 3:24:52 PM



#22

Diisopropyl ether

Concen: 20.418 ug/l

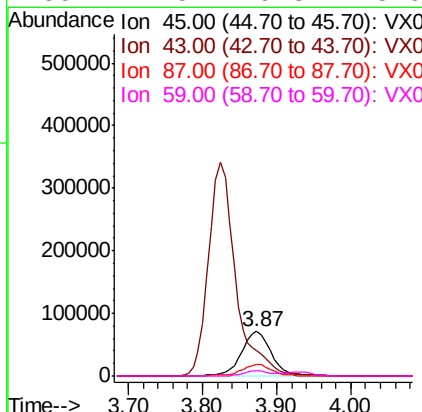
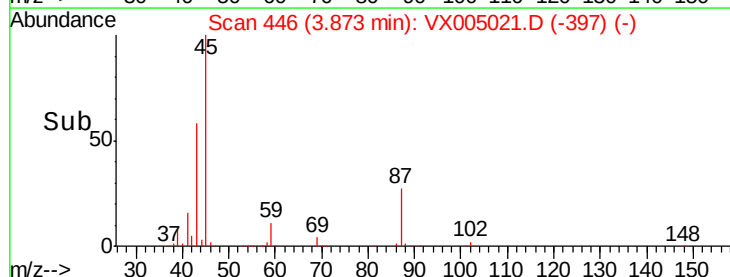
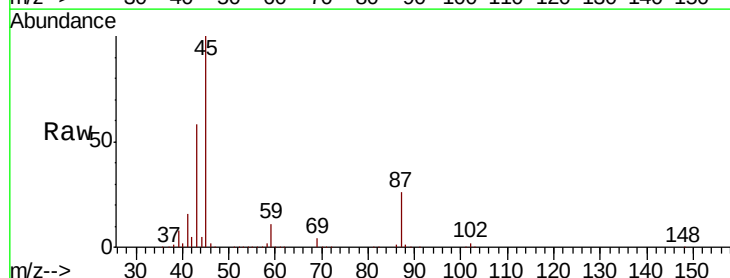
RT: 3.87 min Scan# 446

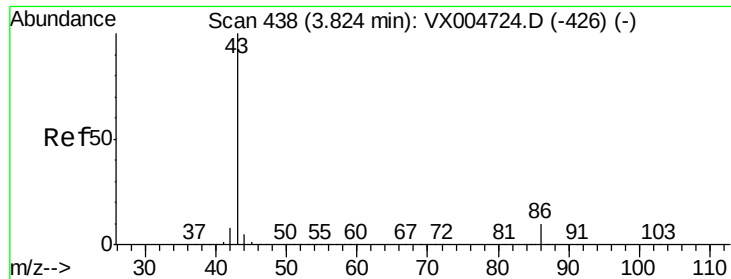
Delta R.T. 0.00 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

Tgt Ion:	45	Resp:	199970
Ion	Ratio	Lower	Upper
45	100		
43	57.3	46.7	70.1
87	26.5	22.9	34.3
59	11.5	9.3	13.9





#23

Vinyl Acetate

Concen: 97.672 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

Instrument :

MSVOA_X

ClientSampleId :

VX1004WBS03

Tot Ion: 43 Resp: 875635

Ion Ratio Lower Upper

43 100

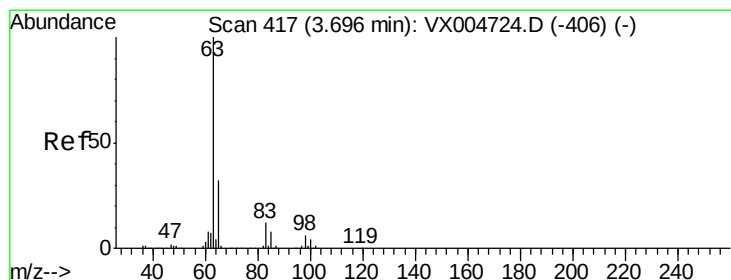
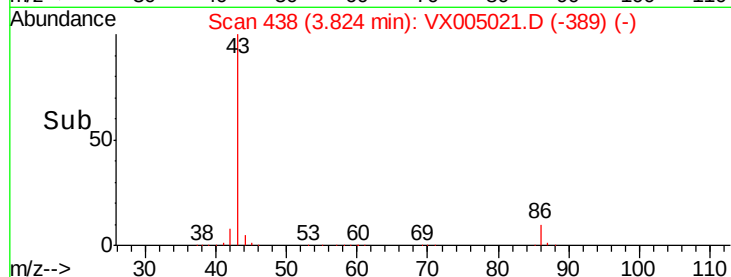
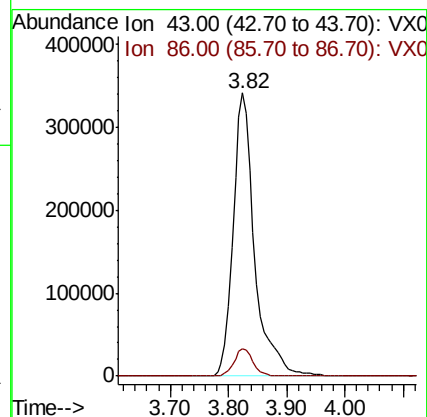
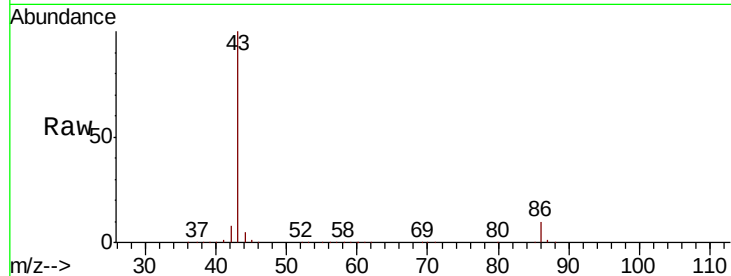
86 9.6 8.1 12.1

Manual Integrations

APPROVED

MMDadoda

10/5/2018 3:24:52 PM



#24

1,1-Dichloroethane

Concen: 19.423 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

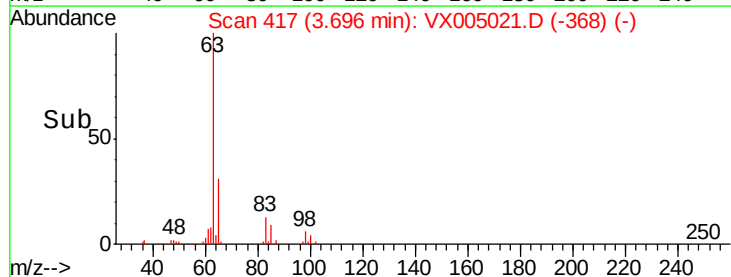
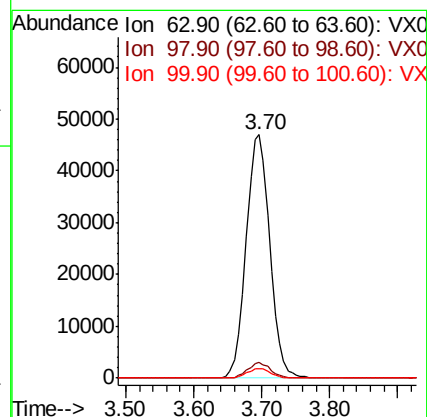
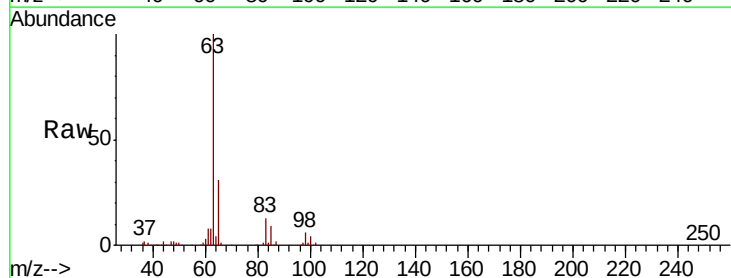
Tgt Ion: 63 Resp: 113471

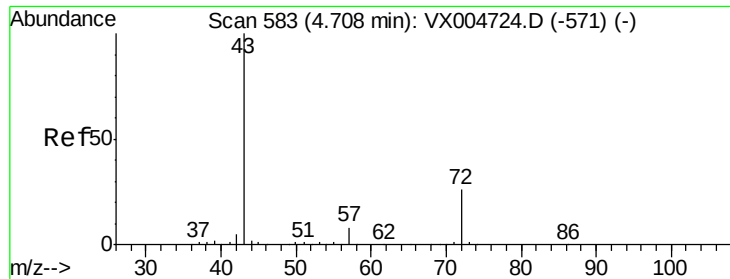
Ion Ratio Lower Upper

63 100

98 6.3 3.0 9.2

100 3.9 2.0 5.8





#25

2-Butanone

Concen: 100.666 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

Instrument :

MSVOA_X

ClientSampleId :

VX1004WBS03

Tot Ion: 43 Resp: 304443

Ion Ratio Lower Upper

43 100

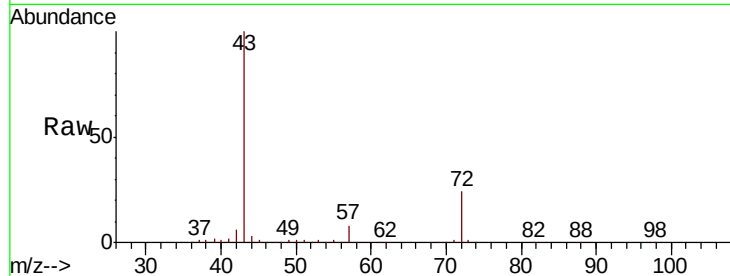
72 24.1 20.8 31.2

Manual Integrations

APPROVED

MMDadoda

10/5/2018 3:24:52 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

120000

100000

80000

60000

40000

20000

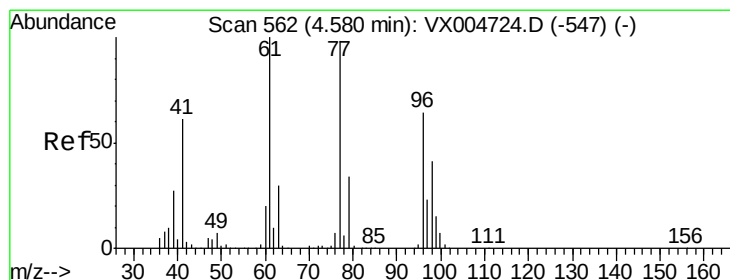
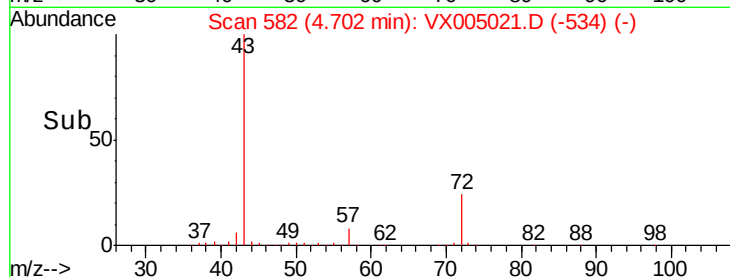
0

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 20.162 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX005021.D

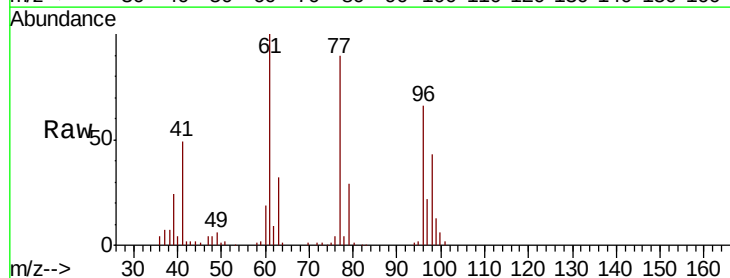
Acq: 04 Oct 2018 16:28

Tgt Ion: 77 Resp: 82024

Ion Ratio Lower Upper

77 100

97 24.0 12.6 37.8



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

30000

25000

20000

15000

10000

5000

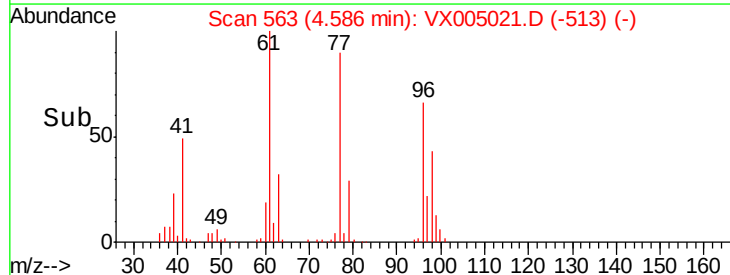
0

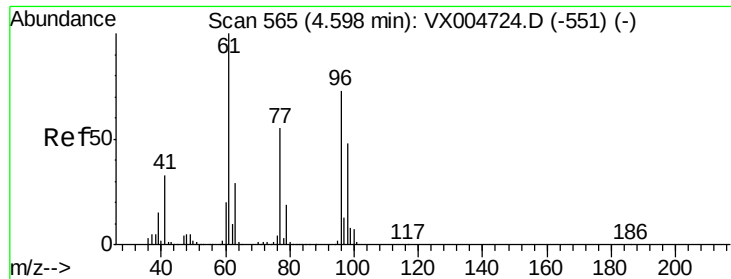
4.50

4.60

4.70

Time-->





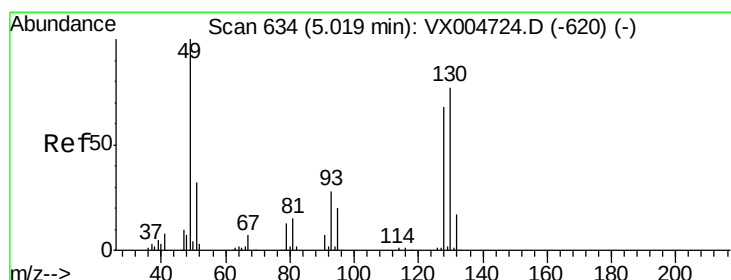
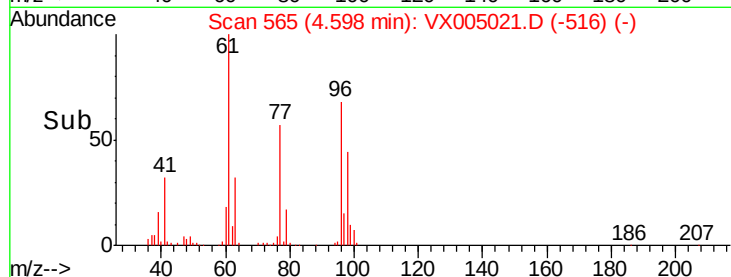
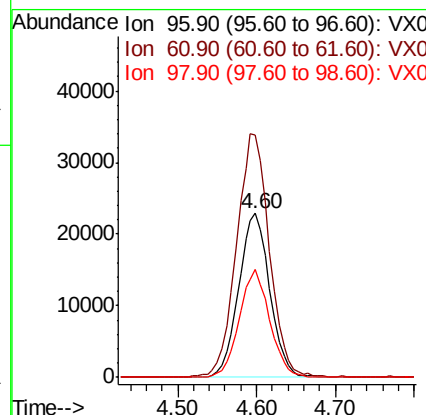
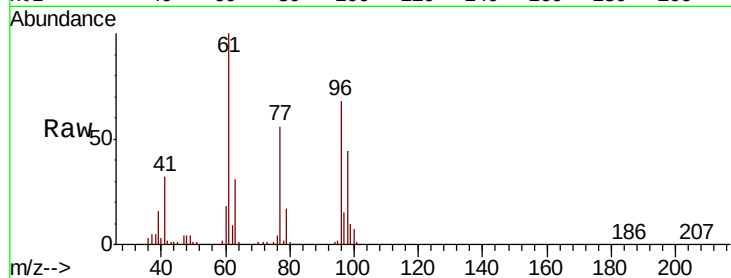
#27
 cis-1,2-Dichloroethene
 Concen: 19.163 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX005021.D
 Acq: 04 Oct 2018 16:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1004WBS03

Tot Ion	Ratio	Lower	Upper
96	100		
61	156.5	0.0	285.8
98	64.5	0.0	136.2

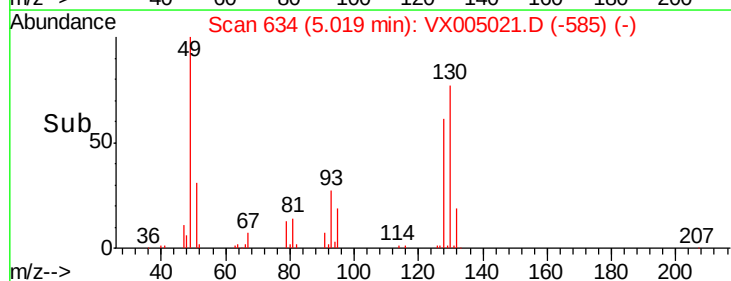
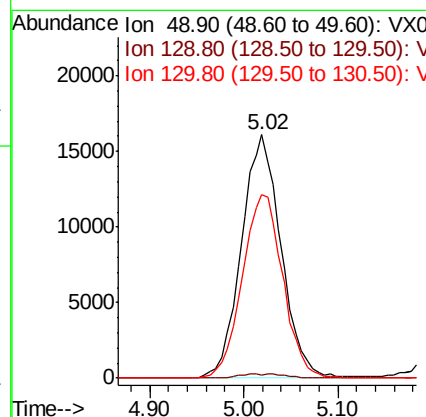
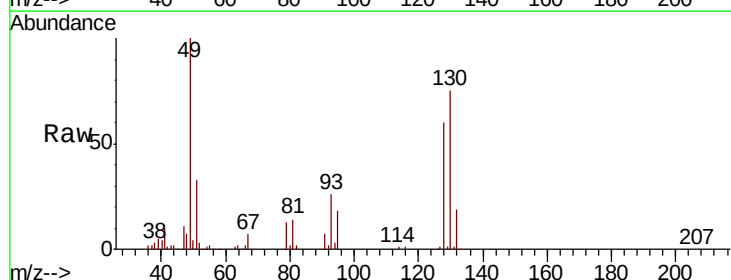
Manual Integrations
 APPROVED

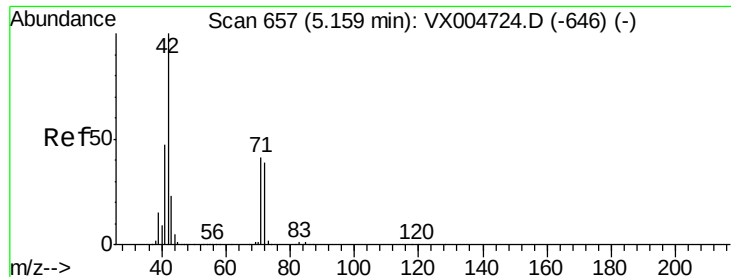
MMDadoda
 10/5/2018 3:24:52 PM



#28
 Bromochloromethane
 Concen: 17.172 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VX005021.D
 Acq: 04 Oct 2018 16:28

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	4.2
130	77.1	62.0	93.0





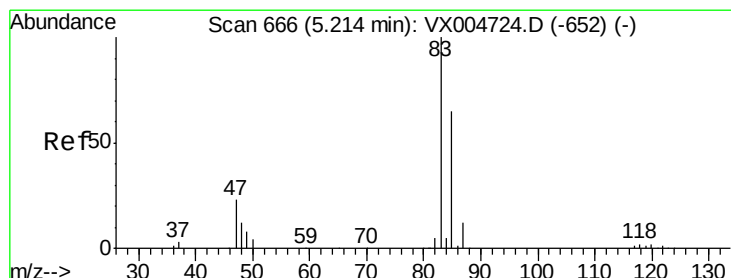
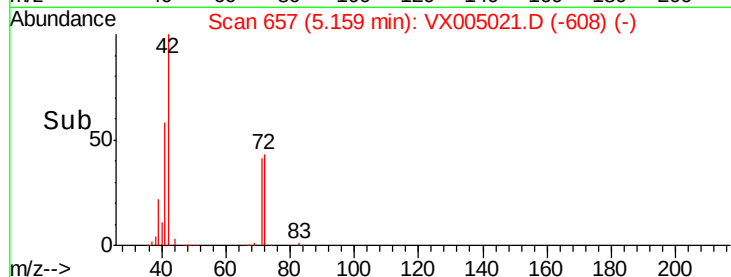
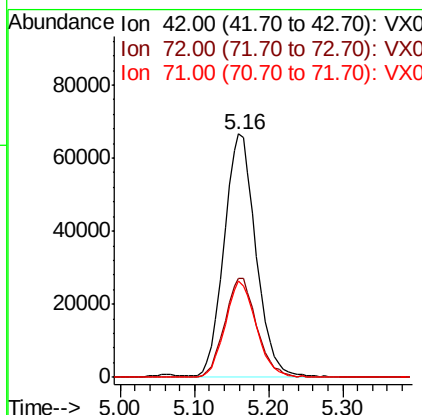
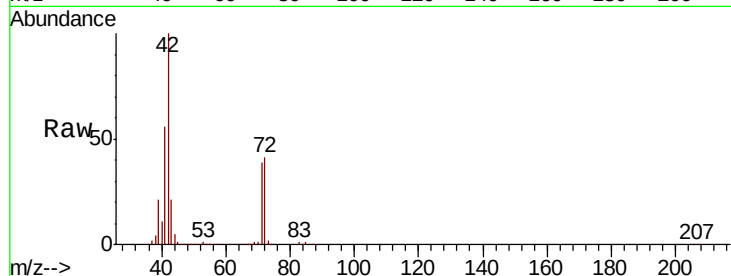
#29
Tetrahydrofuran
Concen: 105.279 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.00 min
Lab File: VX005021.D
Acq: 04 Oct 2018 16:28

Instrument :
MSVOA_X
ClientSampleId :
VX1004WBS03

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.4	33.7	50.5
71	38.9	32.2	48.4

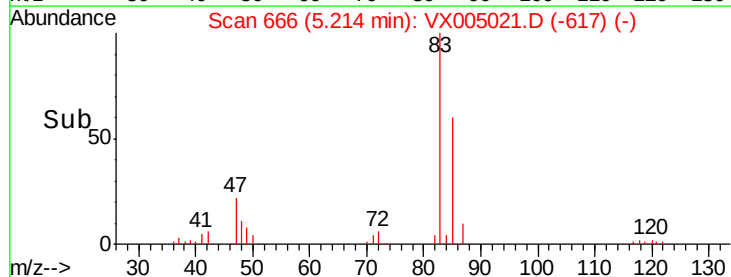
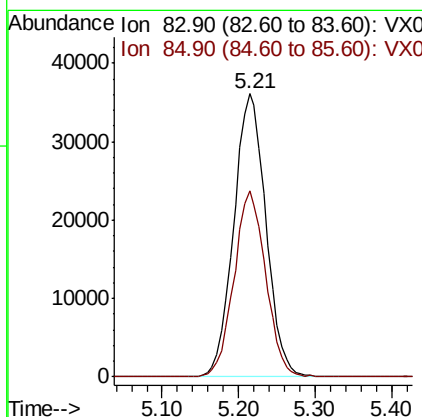
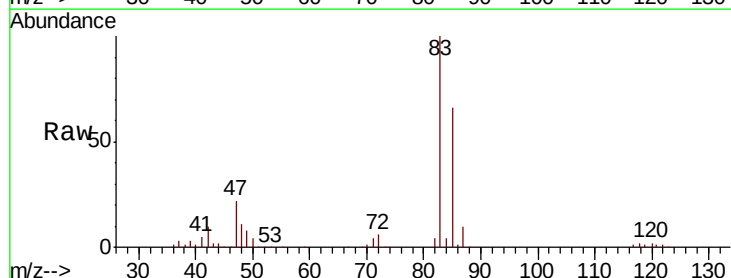
Manual Integrations
APPROVED

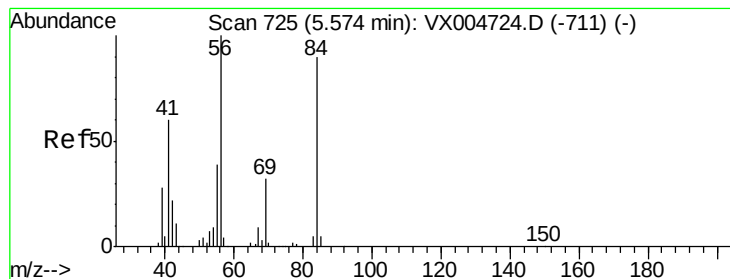
MMDadoda
10/5/2018 3:24:52 PM



#30
Chloroform
Concen: 19.044 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX005021.D
Acq: 04 Oct 2018 16:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.4	78.6





#31

Cyclohexane

Concen: 20.116 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.01 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

Instrument :

MSVOA_X

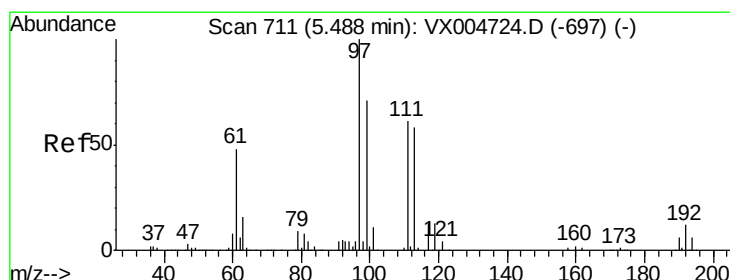
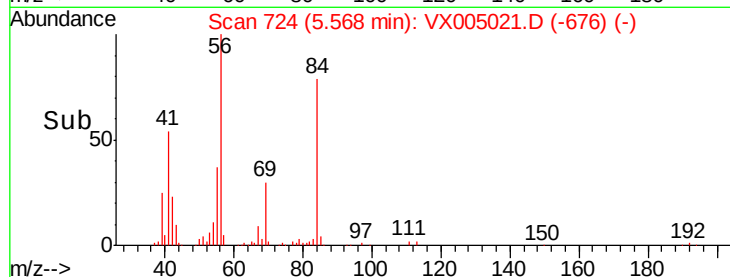
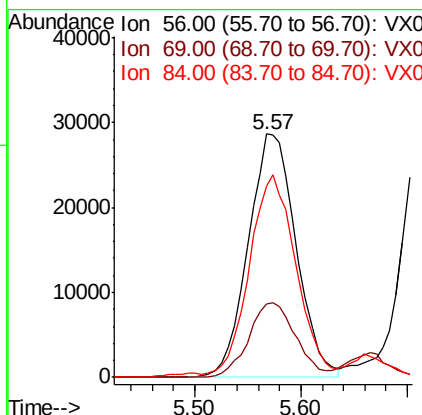
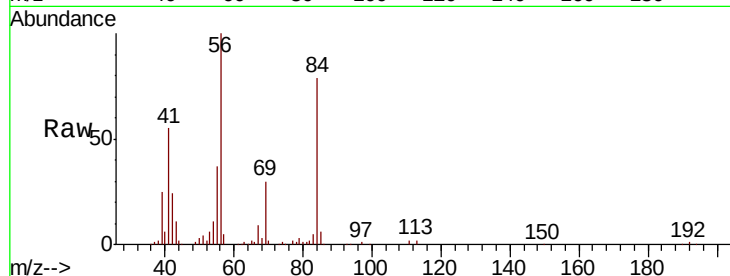
ClientSampleId :

VX1004WBS03

Tot Ion:	56	Resp:	89950
Ion	Ratio	Lower	Upper
56	100		
69	30.3	25.9	38.9
84	77.0	71.9	107.9

Manual Integrations
APPROVED

MMDadoda
10/5/2018 3:24:52 PM



#32

1,1,1-Trichloroethane

Concen: 19.565 ug/l

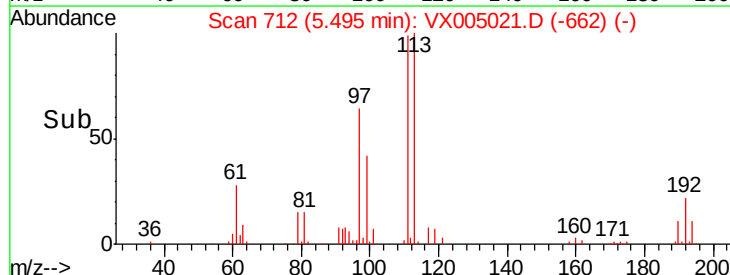
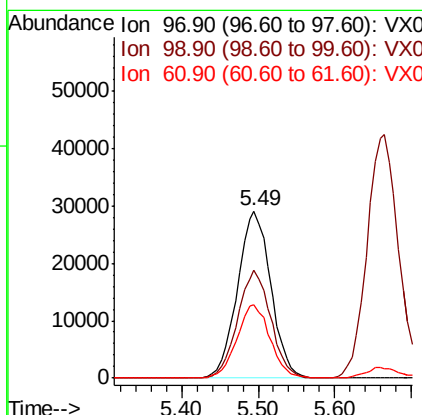
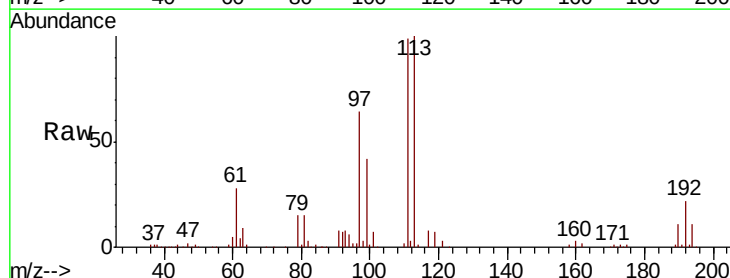
RT: 5.49 min Scan# 712

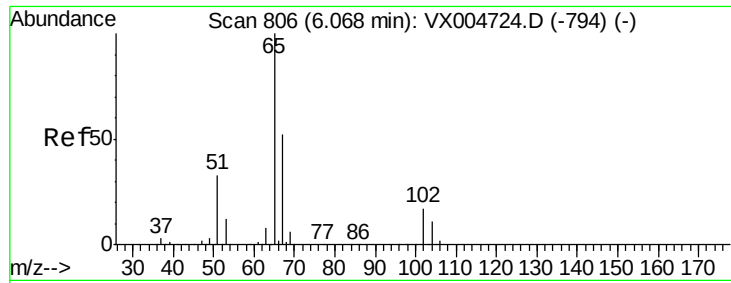
Delta R.T. 0.01 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

Tgt Ion:	97	Resp:	88226
Ion	Ratio	Lower	Upper
97	100		
99	63.9	54.6	82.0
61	43.9	37.5	56.3





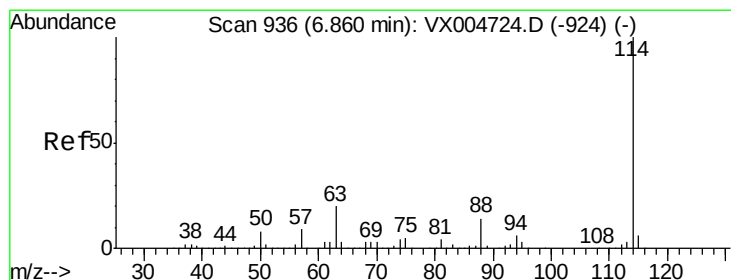
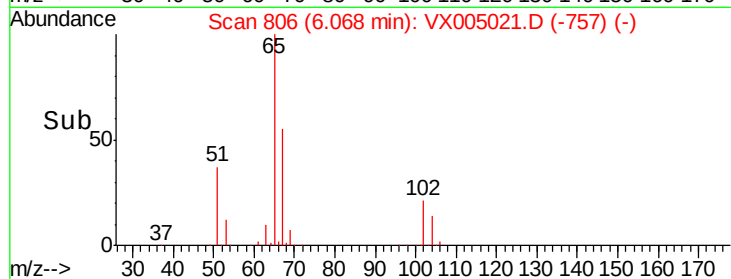
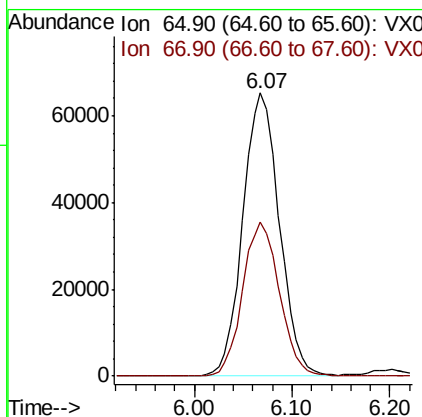
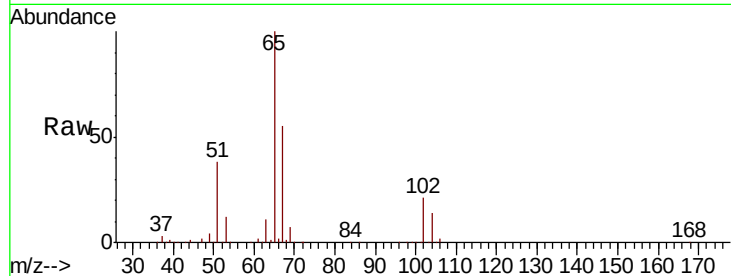
#33
 1,2-Dichloroethane-d4
 Concen: 48.197 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX005021.D
 Acq: 04 Oct 2018 16:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1004WBS03

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.8	0.0	107.4

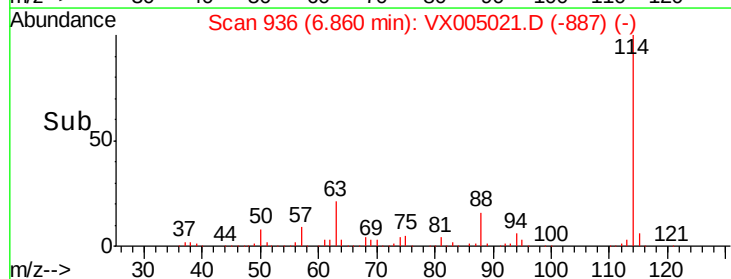
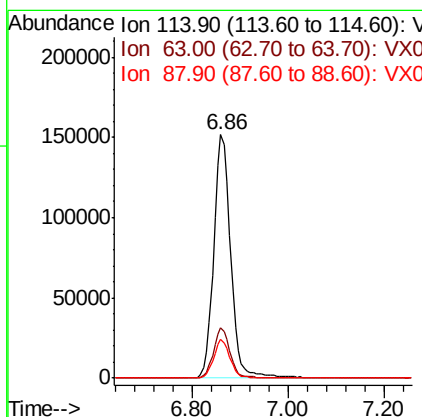
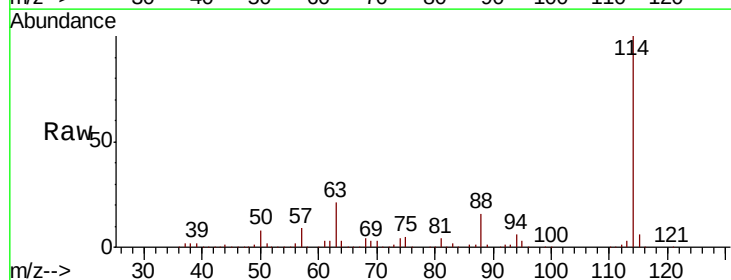
Manual Integrations
 APPROVED

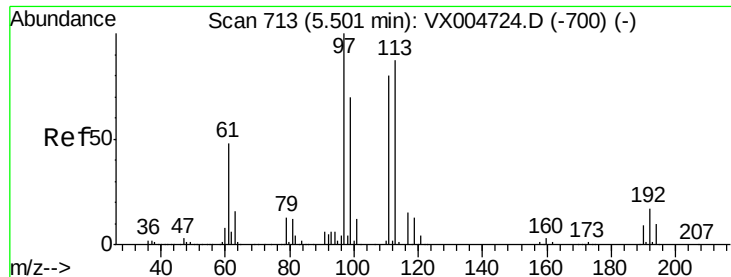
MMDadoda
 10/5/2018 3:24:52 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX005021.D
 Acq: 04 Oct 2018 16:28

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	39.8
88	15.7	0.0	27.0





#35

Dibromofluoromethane

Concen: 43.777 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

Instrument :

MSVOA_X

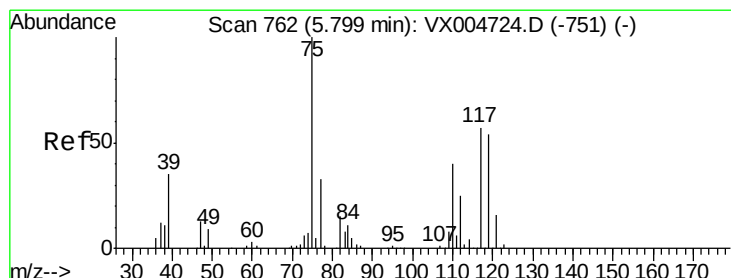
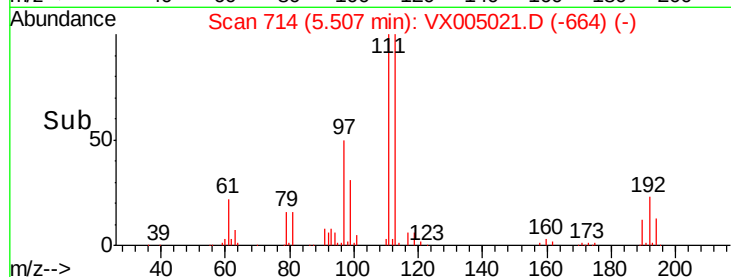
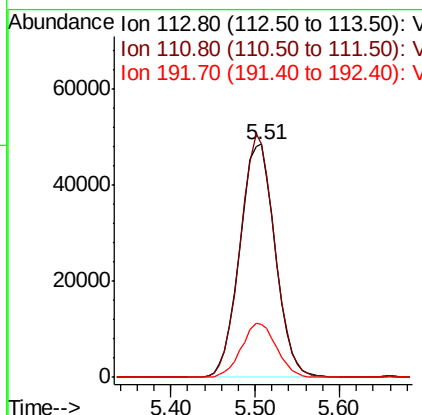
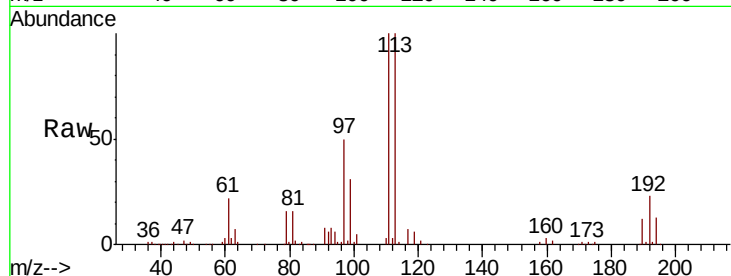
ClientSampleId :

VX1004WBS03

Tot Ion:	113	Resp:	138465
Ion Ratio	Lower	Upper	
113	100		
111	100.7	77.0	115.4
192	22.9	17.0	25.6

Manual Integrations
APPROVED

MMDadoda
10/5/2018 3:24:52 PM



#36

1,1-Dichloropropene

Concen: 17.215 ug/l

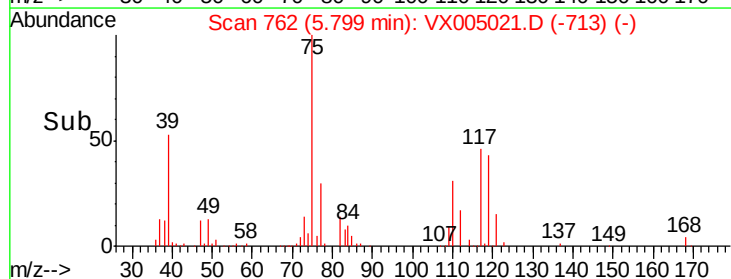
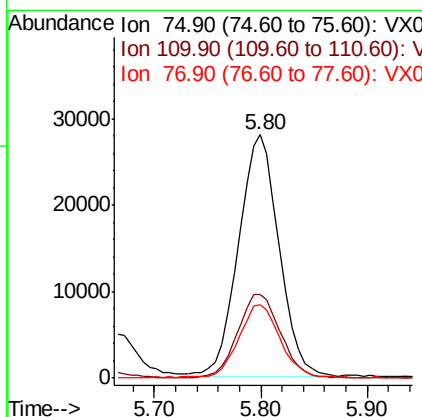
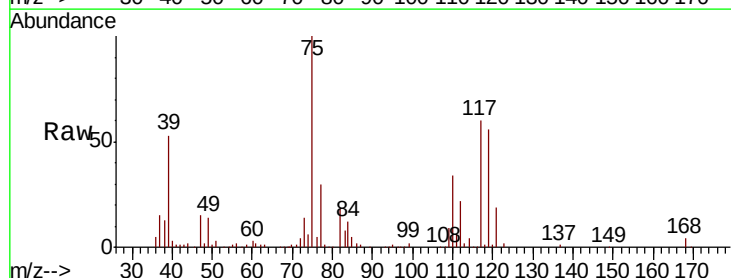
RT: 5.80 min Scan# 762

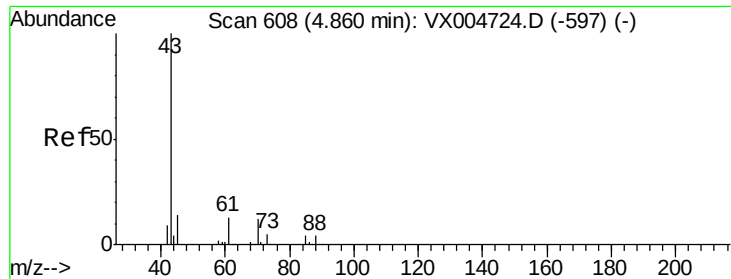
Delta R.T. 0.00 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

Tgt Ion:	75	Resp:	74292
Ion Ratio	Lower	Upper	
75	100		
110	37.0	20.0	59.9
77	30.9	27.1	40.7





#37

Ethyl Acetate

Concen: 18.364 ug/l

RT: 4.86 min Scan# 608

Delta R.T. 0.00 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

Instrument :

MSVOA_X

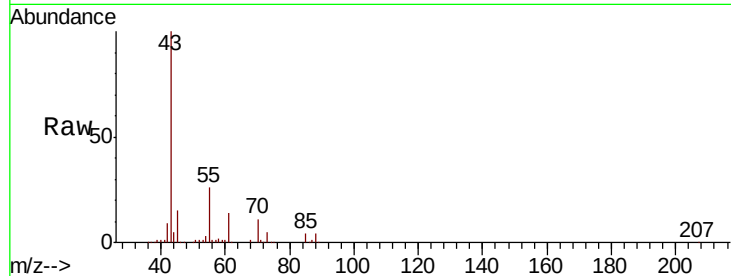
ClientSampleId :

VX1004WBS03

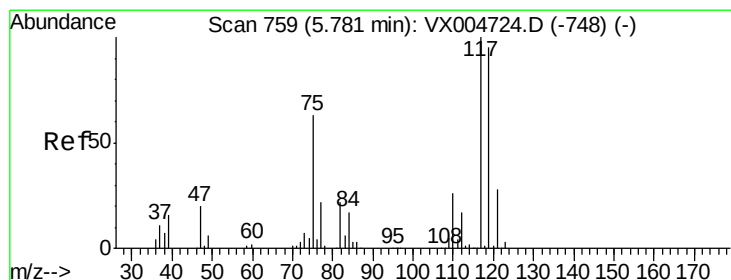
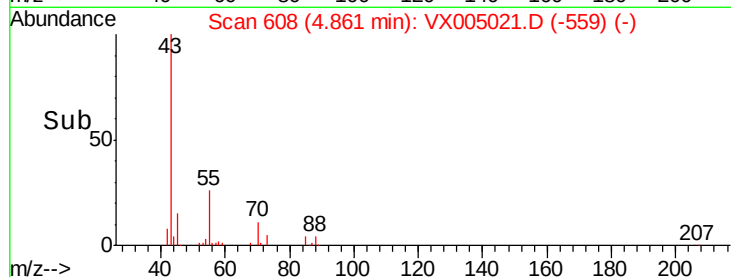
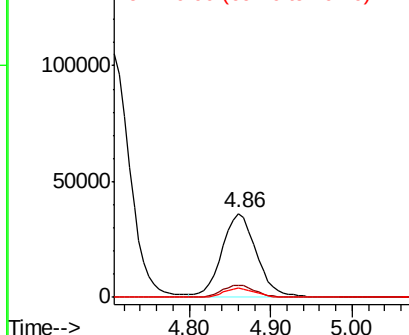
Tot Ion:	43	Resp:	105195
Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.4	15.6
70	10.5	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/5/2018 3:24:52 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 16.546 ug/l

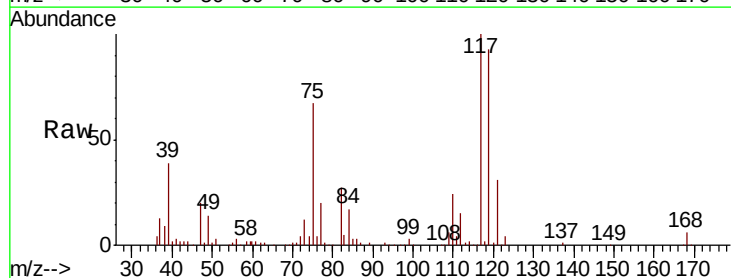
RT: 5.78 min Scan# 759

Delta R.T. 0.00 min

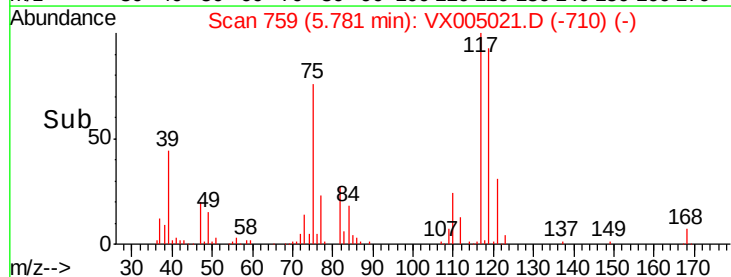
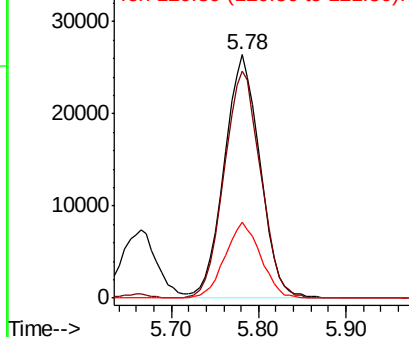
Lab File: VX005021.D

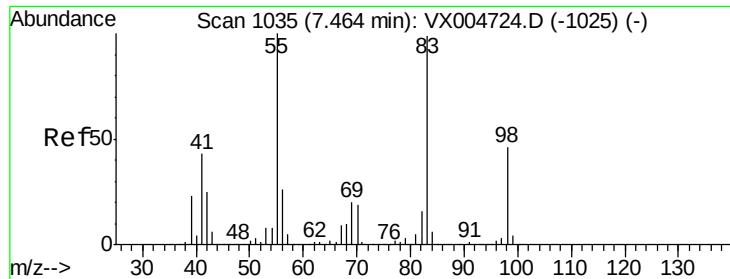
Acq: 04 Oct 2018 16:28

Tgt Ion:	117	Resp:	75058
Ion	Ratio	Lower	Upper
117	100		
119	93.1	75.2	112.8
121	31.2	22.5	33.7



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





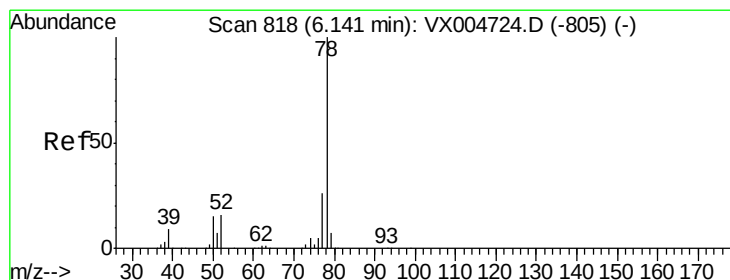
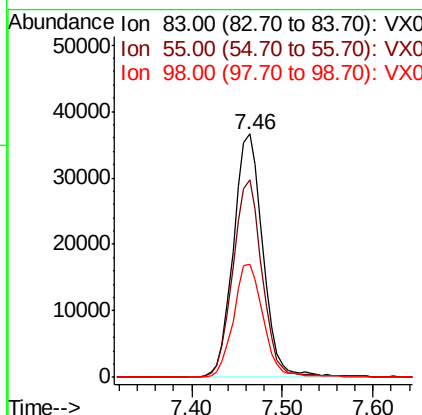
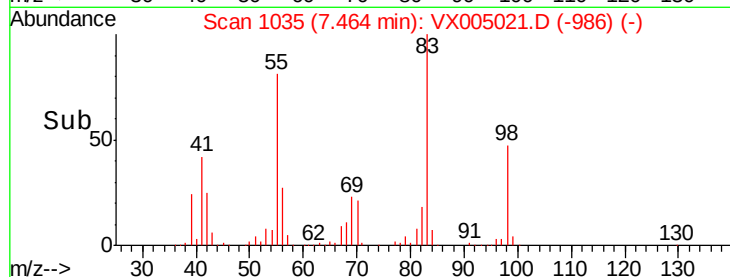
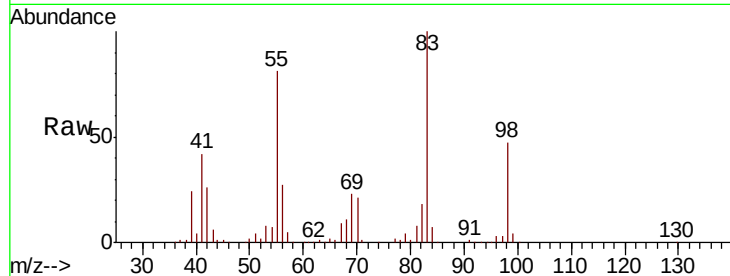
#39
Methylvlcyclohexane
Concen: 18.766 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX005021.D
Acq: 04 Oct 2018 16:28

Instrument :
MSVOA_X
ClientSampleId :
VX1004WBS03

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.3	81.1	121.7
98	46.5	37.3	55.9

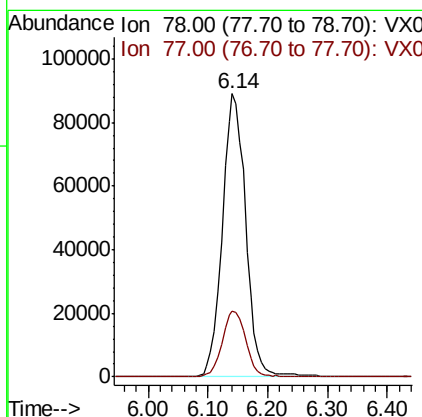
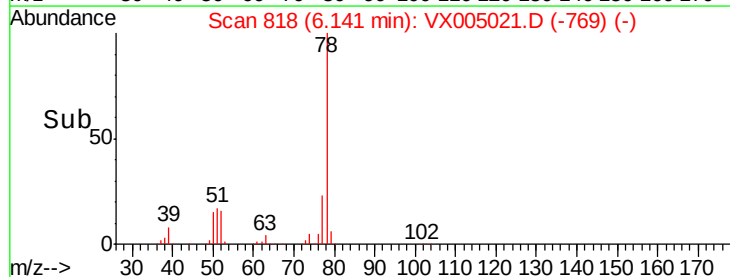
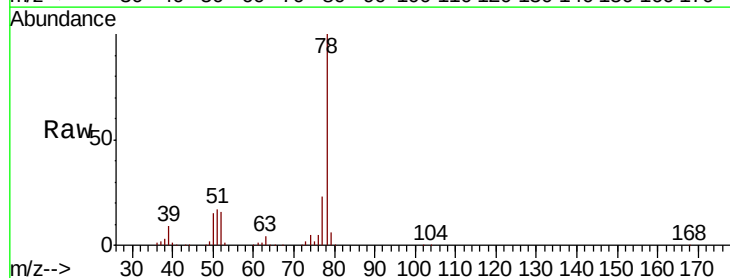
Manual Integrations
APPROVED

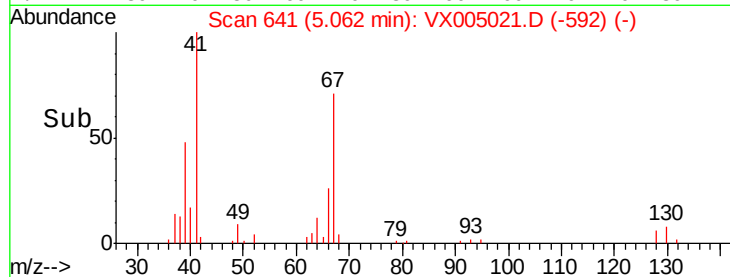
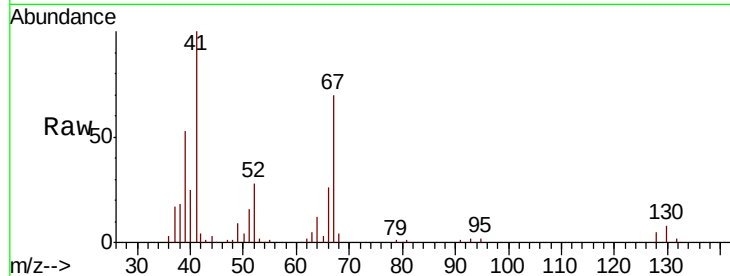
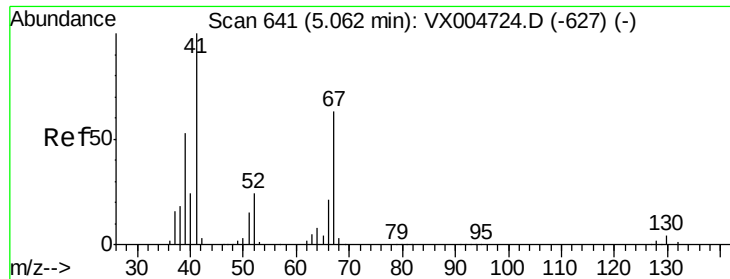
MMDadoda
10/5/2018 3:24:52 PM



#40
Benzene
Concen: 17.967 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX005021.D
Acq: 04 Oct 2018 16:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	21.0	31.4





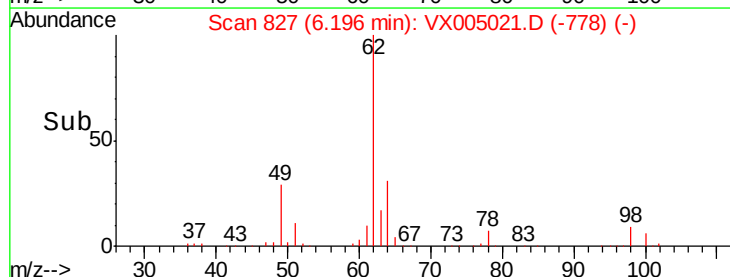
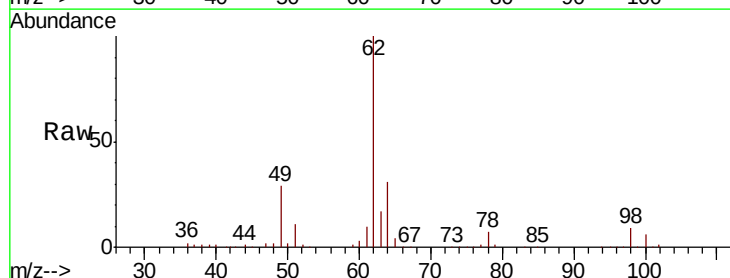
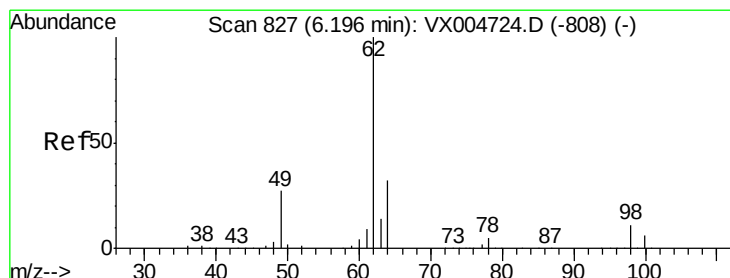
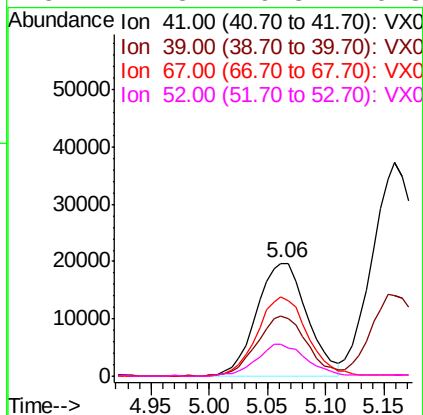
#41
Methacrylonitrile
Concen: 18.619 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.00 min
Lab File: VX005021.D
Acq: 04 Oct 2018 16:28

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		59148		
39	52.4	42.5	63.7		
67	70.5	53.0	79.6		
52	27.3	19.8	29.8		

Instrument :
MSVOA_X
ClientSampleId :
VX1004WBS03

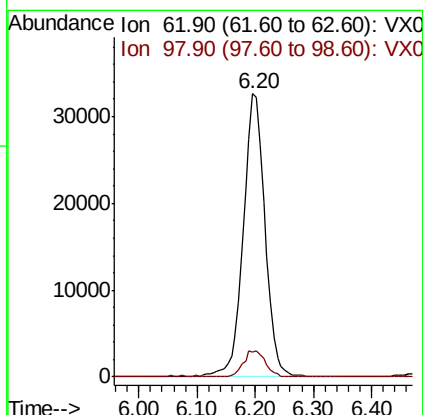
Manual Integrations
APPROVED

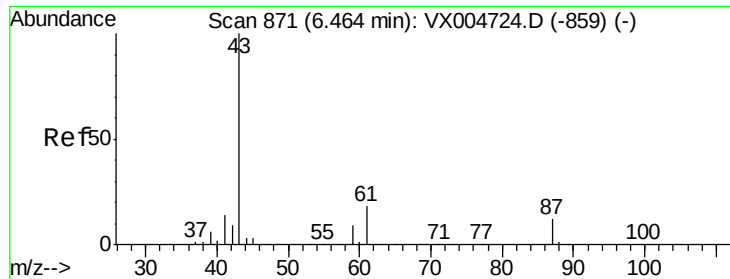
MMDadoda
10/5/2018 3:24:52 PM



#42
1,2-Dichloroethane
Concen: 17.645 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX005021.D
Acq: 04 Oct 2018 16:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		84273		
98	9.4	0.0	20.2		





#43

Isopropyl Acetate

Concen: 18.563 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.00 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

Instrument :

MSVOA_X

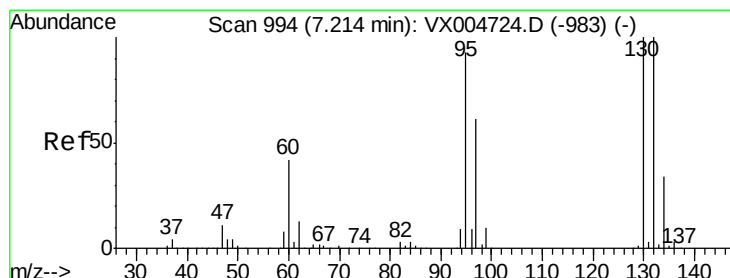
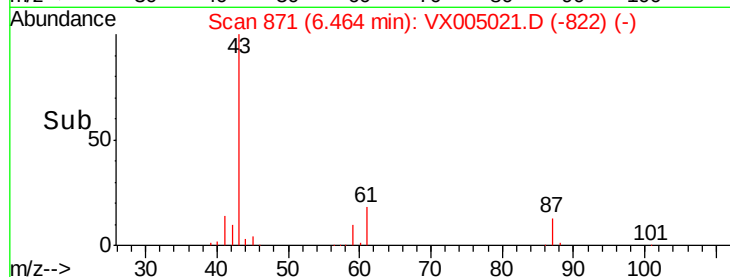
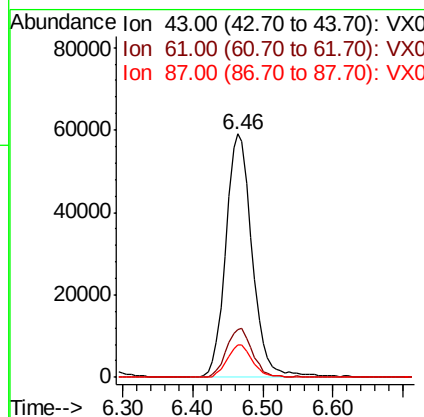
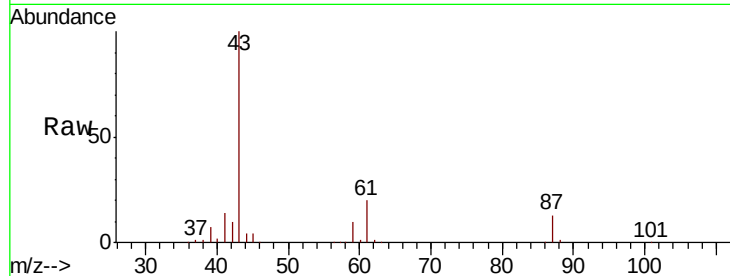
ClientSampleId :

VX1004WBS03

Tot Ion:	43	Resp:	153474
Ion	Ratio	Lower	Upper
43	100		
61	19.8	14.2	21.4
87	13.0	9.3	13.9

Manual Integrations
APPROVED

MMDadoda
10/5/2018 3:24:52 PM



#44

Trichloroethene

Concen: 19.549 ug/l

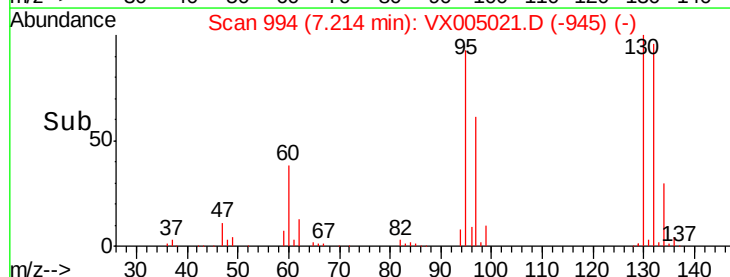
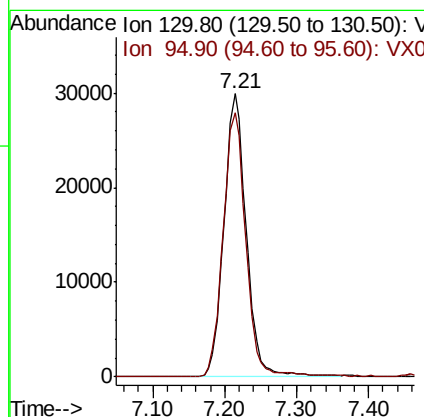
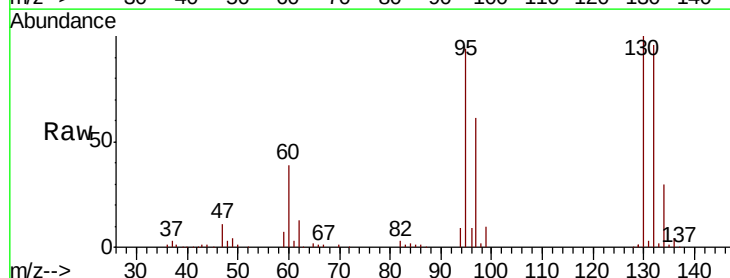
RT: 7.21 min Scan# 994

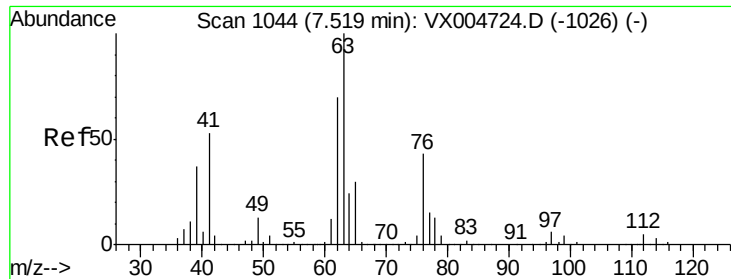
Delta R.T. 0.00 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

Tgt Ion:	130	Resp:	64927
Ion	Ratio	Lower	Upper
130	100		
95	93.5	0.0	186.8





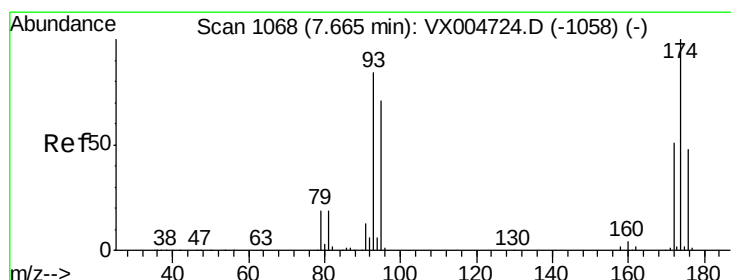
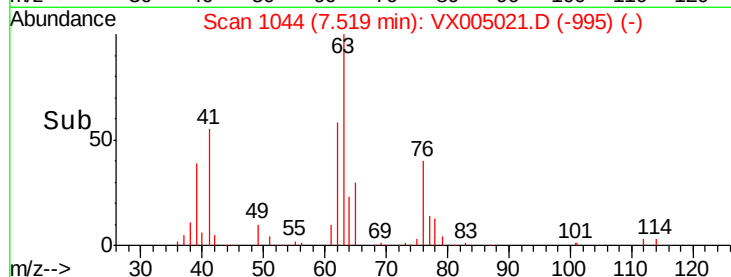
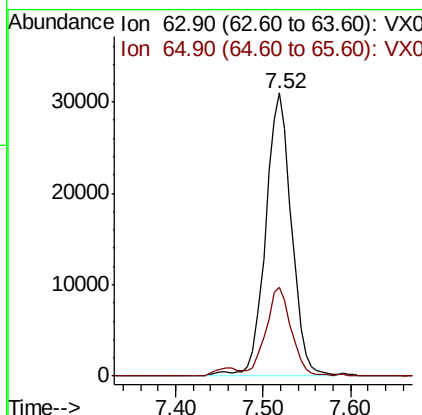
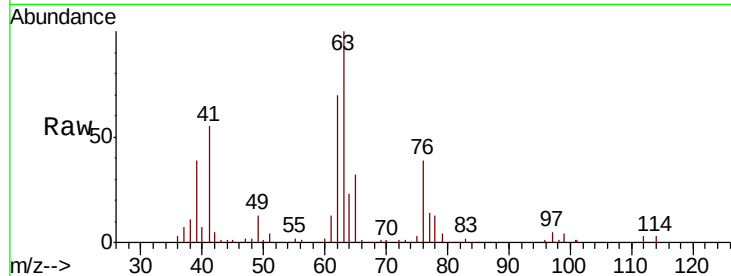
#45
 1,2-Dichloropropane
 Concen: 19.302 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.00 min
 Lab File: VX005021.D
 Acq: 04 Oct 2018 16:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1004WBS03

Tot Ion: 63 Resp: 63950
 Ion Ratio Lower Upper
 63 100
 65 31.5 23.9 35.9

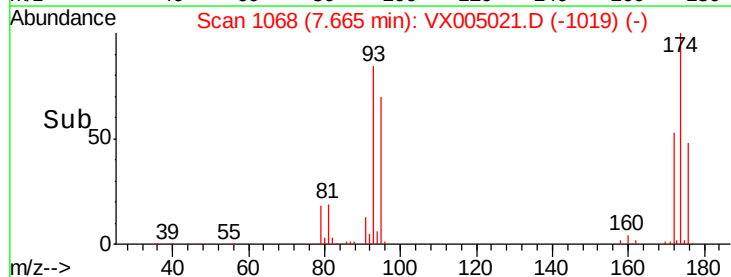
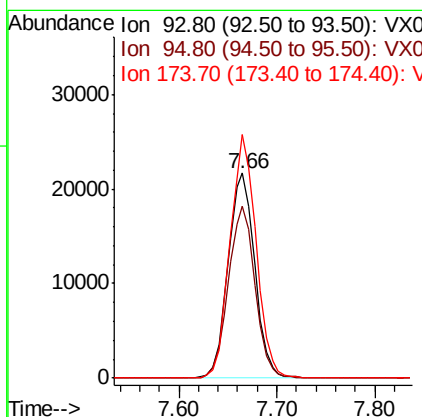
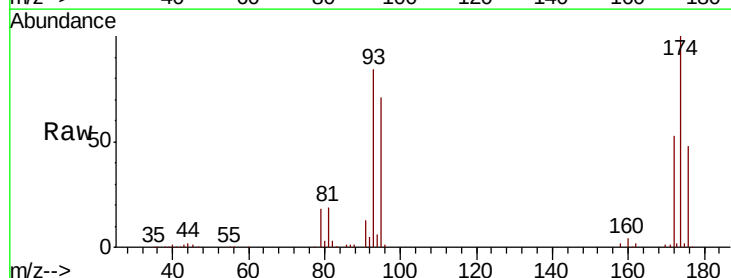
Manual Integrations
 APPROVED

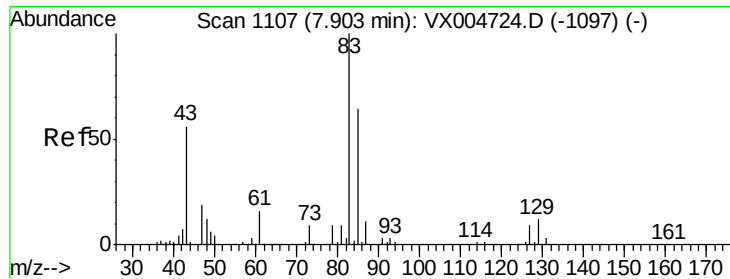
MMDadoda
 10/5/2018 3:24:52 PM



#46
 Dibromomethane
 Concen: 19.652 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VX005021.D
 Acq: 04 Oct 2018 16:28

Tgt Ion: 93 Resp: 40918
 Ion Ratio Lower Upper
 93 100
 95 83.8 66.7 100.1
 174 116.3 92.7 139.1





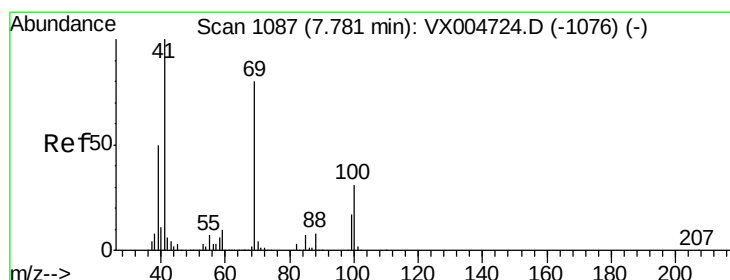
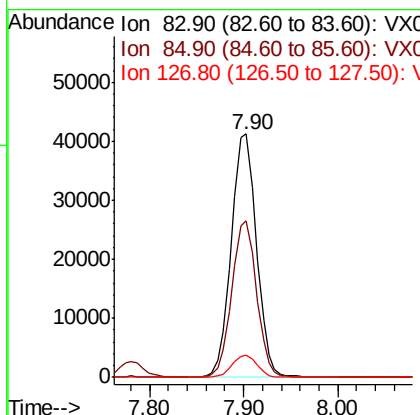
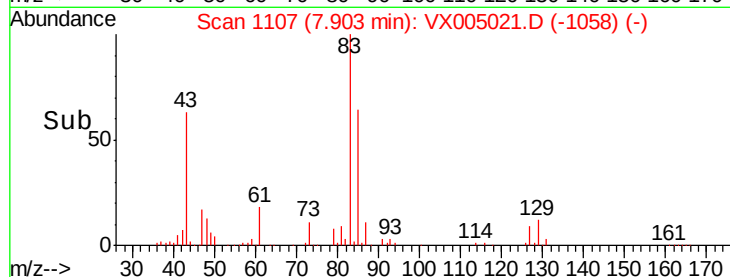
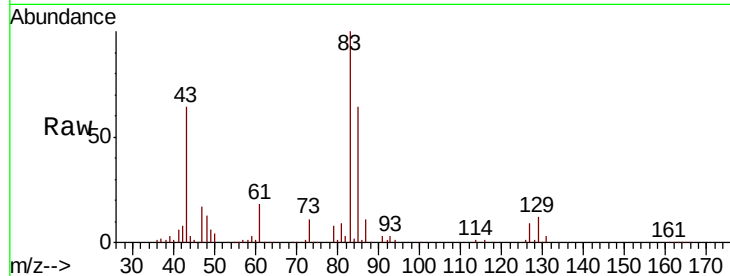
#47
Bromodichloromethane
Concen: 19.805 ug/l
RT: 7.90 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VX005021.D
Acq: 04 Oct 2018 16:28

Instrument :
MSVOA_X
ClientSampleId :
VX1004WBS03

Tot Ion	83	Resp	77208
Ion Ratio	100	Lower	Upper
83	100		
85	64.2	51.2	76.8
127	9.0	7.0	10.6

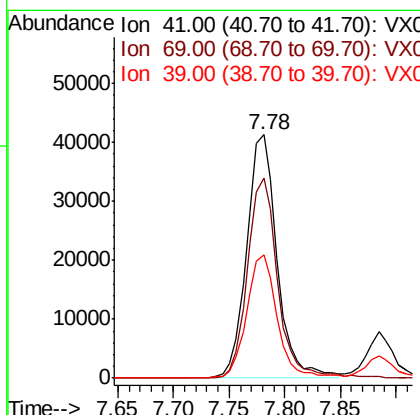
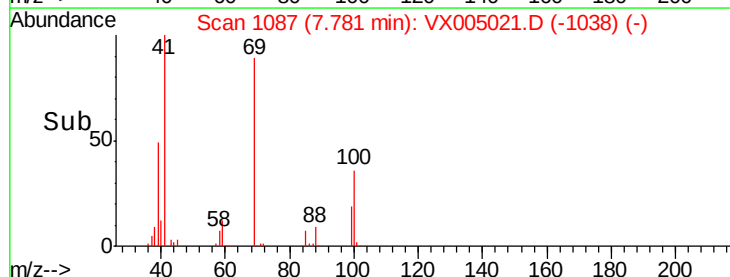
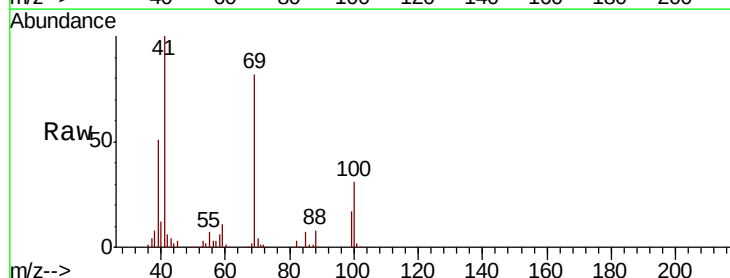
Manual Integrations
APPROVED

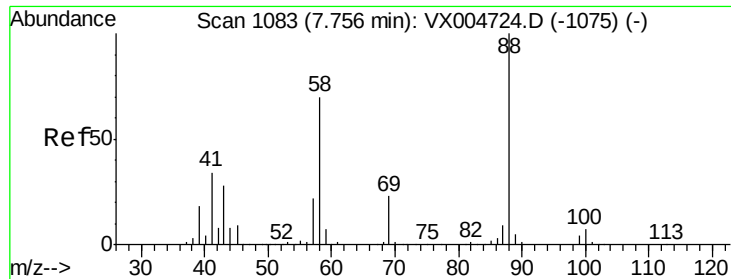
MMDadoda
10/5/2018 3:24:52 PM



#48
Methyl methacrylate
Concen: 20.876 ug/l
RT: 7.78 min Scan# 1087
Delta R.T. 0.00 min
Lab File: VX005021.D
Acq: 04 Oct 2018 16:28

Tgt Ion	41	Resp	78341
Ion Ratio	100	Lower	Upper
41	100		
69	82.6	63.8	95.6
39	50.3	40.7	61.1





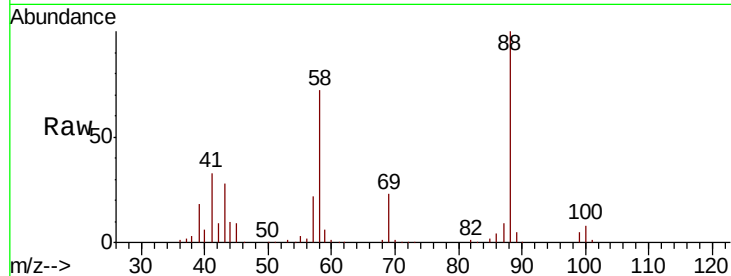
#49
1,4-Dioxane
Concen: 400.357 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.00 min
Lab File: VX005021.D
Acq: 04 Oct 2018 16:28

Instrument :
MSVOA_X
ClientSampled :
VX1004WBS03

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.1	25.1	37.7
58	73.0	56.2	84.2

Manual Integrations
APPROVED

MMDadoda
10/5/2018 3:24:52 PM

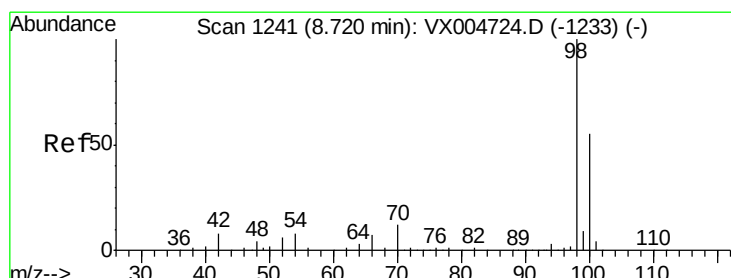
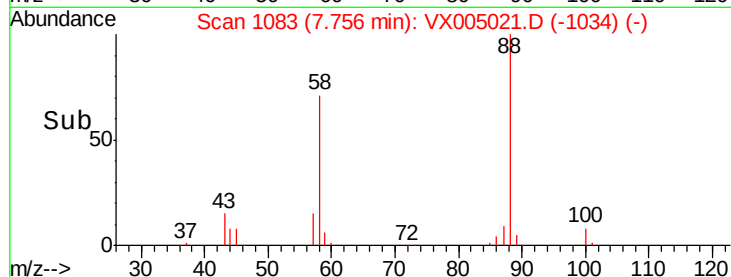
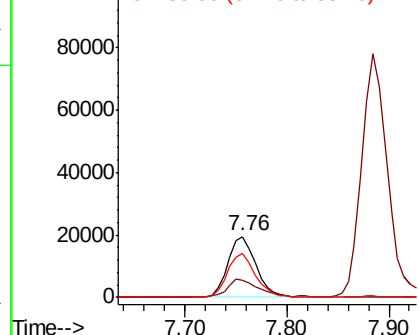


Abundance

Ion 88.00 (87.70 to 88.70): VX0

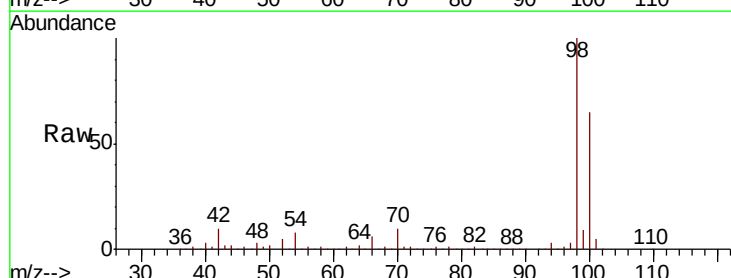
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 49.437 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VX005021.D
Acq: 04 Oct 2018 16:28

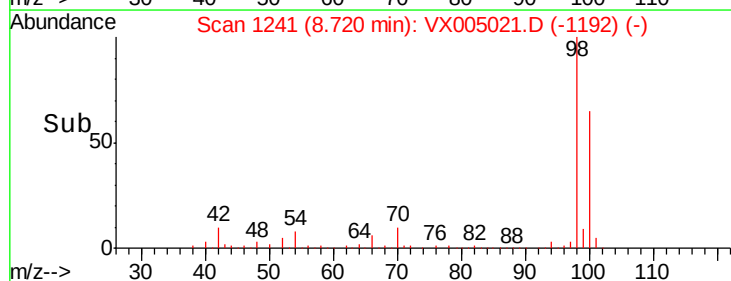
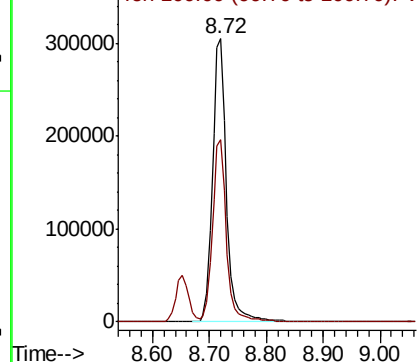
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.9	77.9

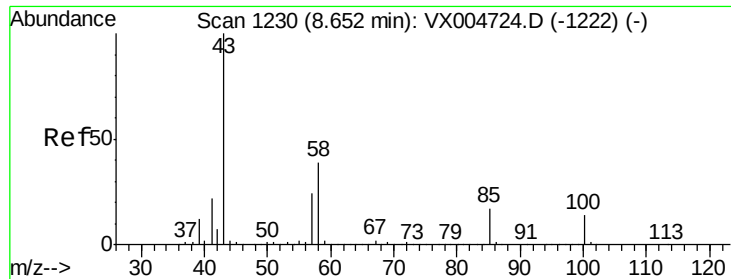


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





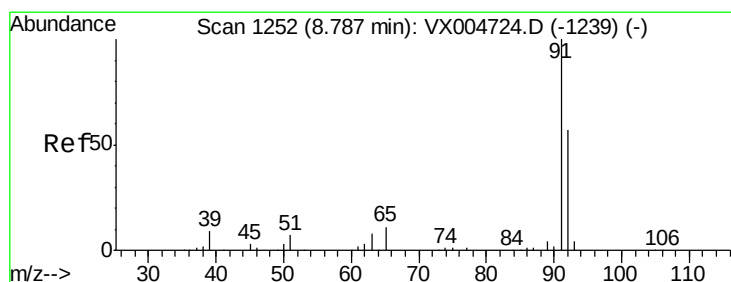
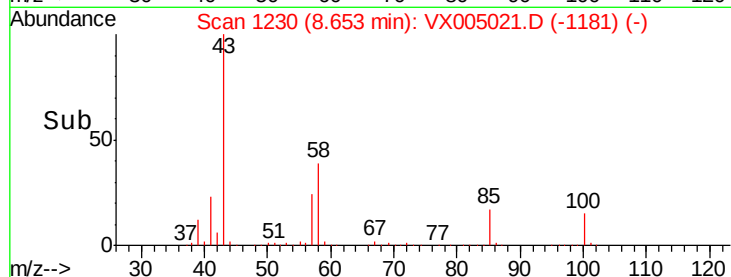
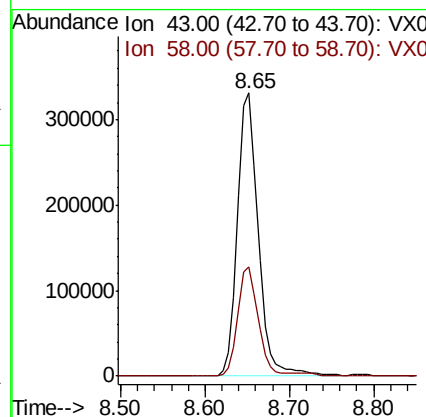
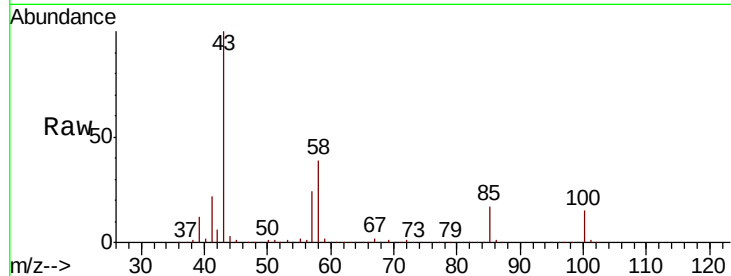
#51
 4-Methyl-2-Pentanone
 Concen: 107.080 ug/l
 RT: 8.65 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: VX005021.D
 Acq: 04 Oct 2018 16:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1004WBS03

Tot Ion: 43 Resp: 557445
 Ion Ratio Lower Upper
 43 100
 58 37.7 30.5 45.7

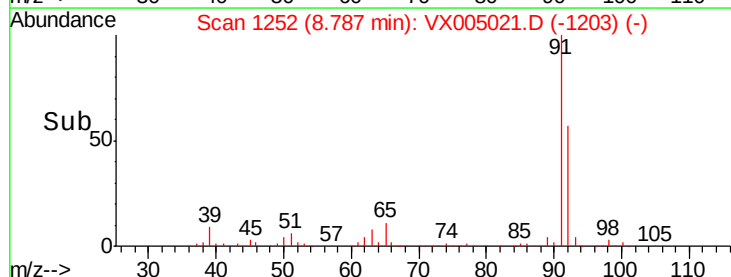
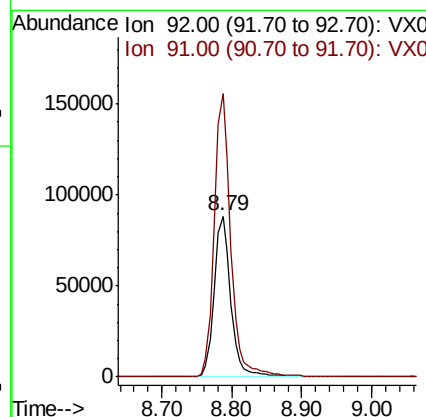
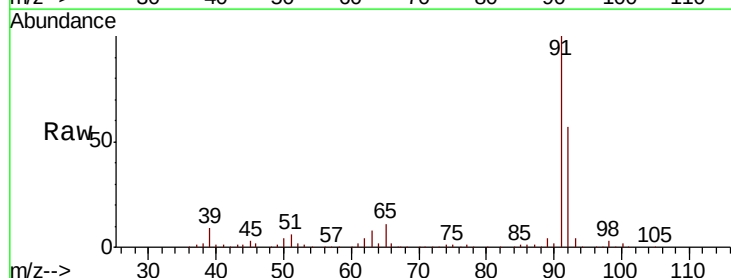
Manual Integrations
 APPROVED

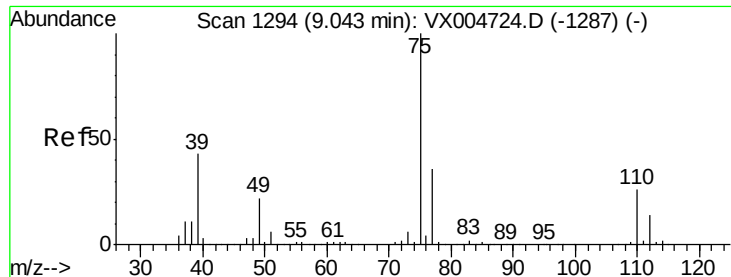
MMDadoda
 10/5/2018 3:24:52 PM



#52
 Toluene
 Concen: 19.803 ug/l
 RT: 8.79 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VX005021.D
 Acq: 04 Oct 2018 16:28

Tgt Ion: 92 Resp: 147014
 Ion Ratio Lower Upper
 92 100
 91 175.0 136.7 205.1





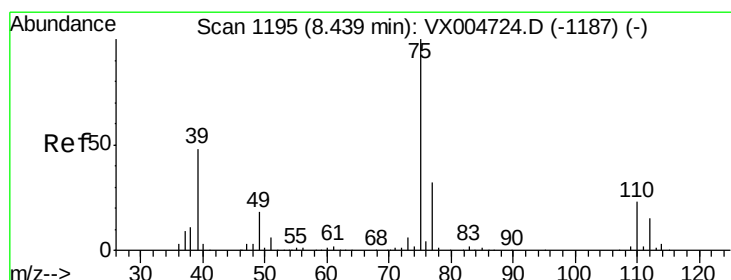
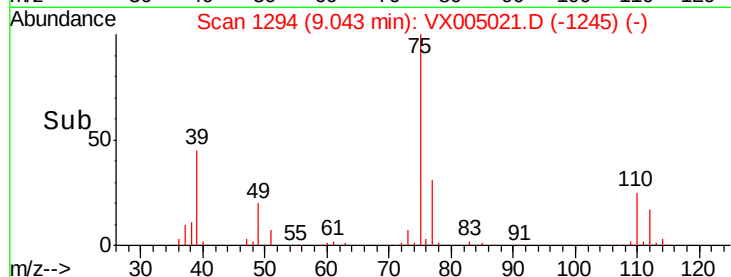
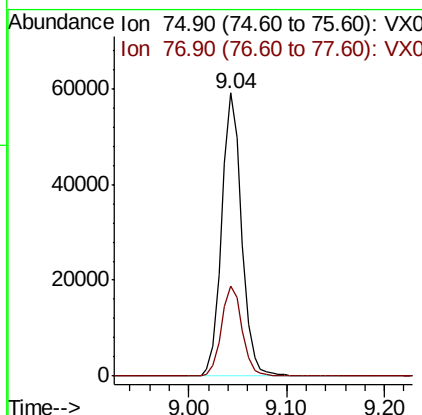
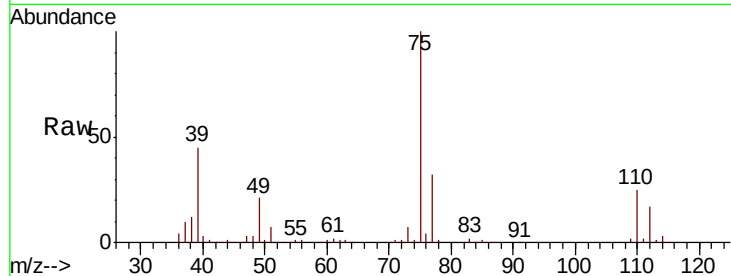
#53
t-1,3-Dichloropropene
Concen: 18.962 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX005021.D
Acq: 04 Oct 2018 16:28

Instrument :
MSVOA_X
ClientSampleId :
VX1004WBS03

Tot Ion: 75 Resp: 83533
Ion Ratio Lower Upper
75 100
77 31.7 28.9 43.3

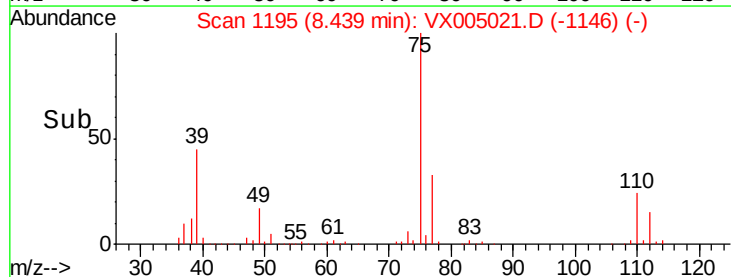
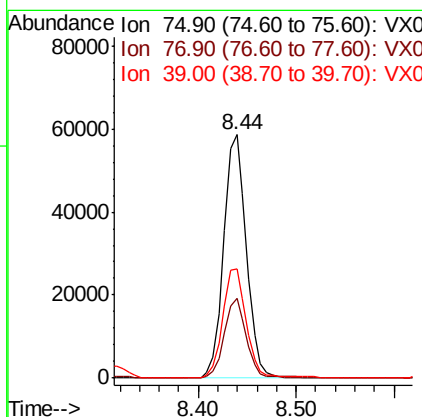
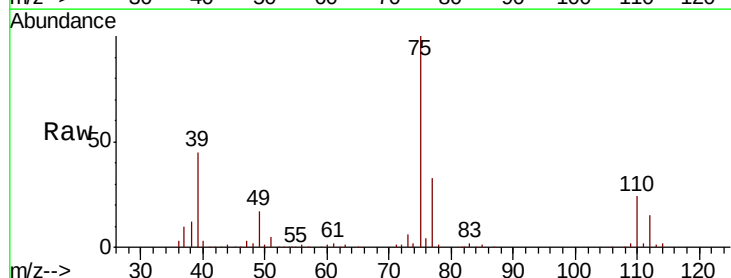
Manual Integrations
APPROVED

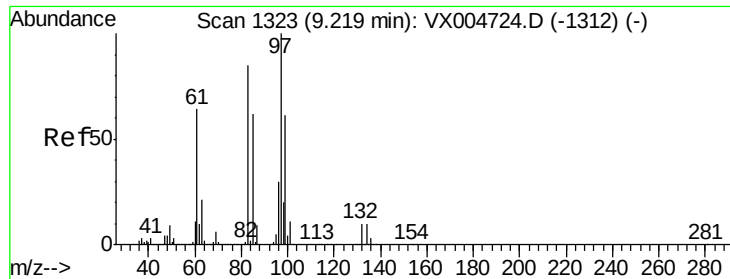
MMDadoda
10/5/2018 3:24:52 PM



#54
cis-1,3-Dichloropropene
Concen: 20.463 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. 0.00 min
Lab File: VX005021.D
Acq: 04 Oct 2018 16:28

Tgt Ion: 75 Resp: 94422
Ion Ratio Lower Upper
75 100
77 32.5 25.7 38.5
39 44.6 38.3 57.5





#55

1,1,2-Trichloroethane

Concen: 19.190 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.01 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

Instrument :

MSVOA_X

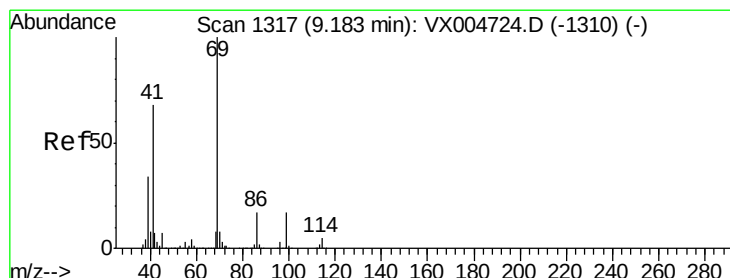
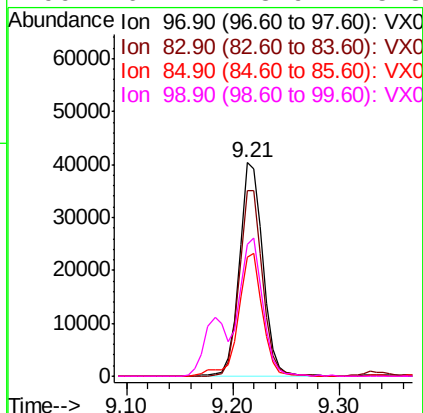
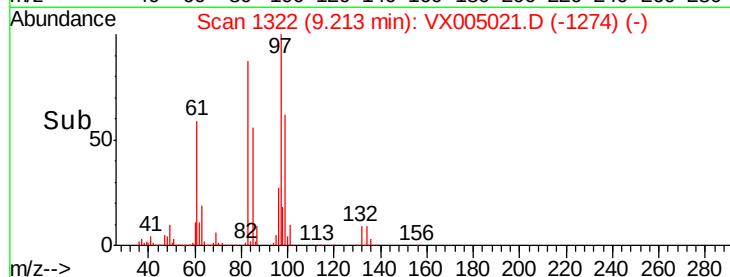
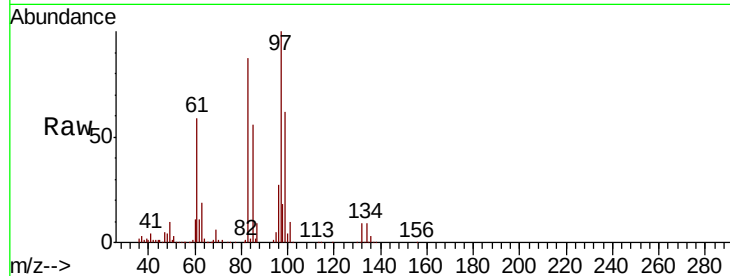
ClientSampleId :

VX1004WBS03

Tot Ion:	97	Resp:	62403
Ion	Ratio	Lower	Upper
97	100		
83	87.1	68.2	102.2
85	55.9	49.9	74.9
99	61.7	48.9	73.3

Manual Integrations
APPROVED

MMDadoda
10/5/2018 3:24:52 PM



#56

Ethyl methacrylate

Concen: 19.868 ug/l

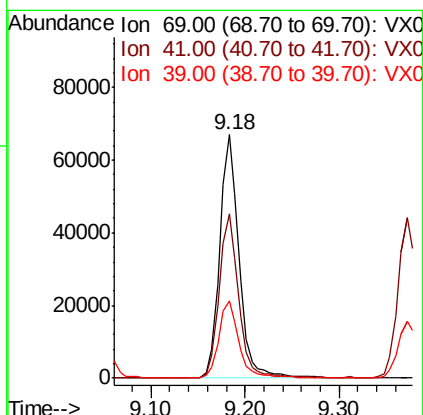
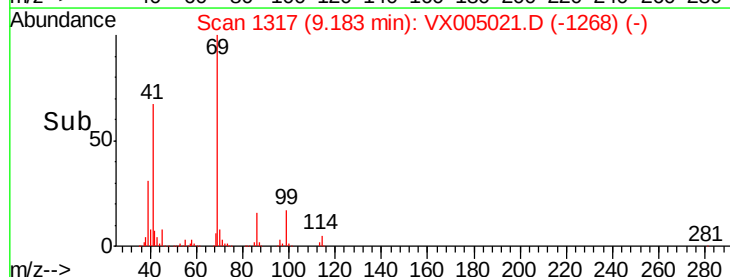
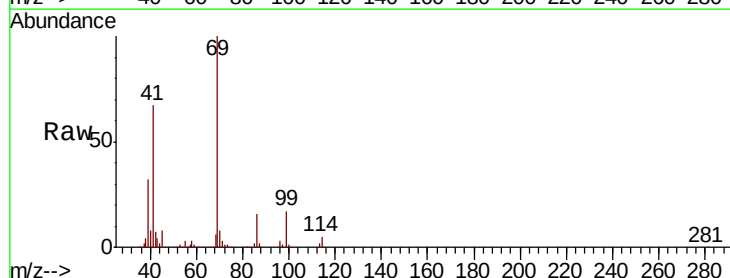
RT: 9.18 min Scan# 1317

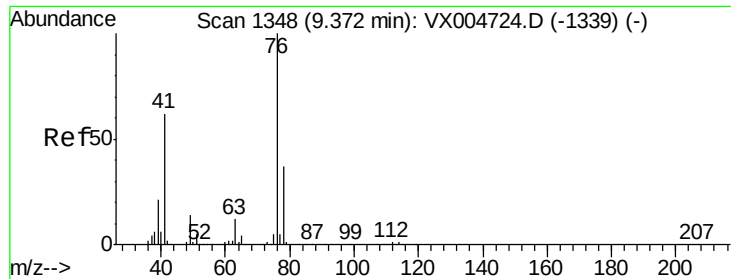
Delta R.T. 0.00 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

Tgt Ion:	69	Resp:	95184
Ion	Ratio	Lower	Upper
69	100		
41	68.0	56.9	85.3
39	32.7	28.4	42.6





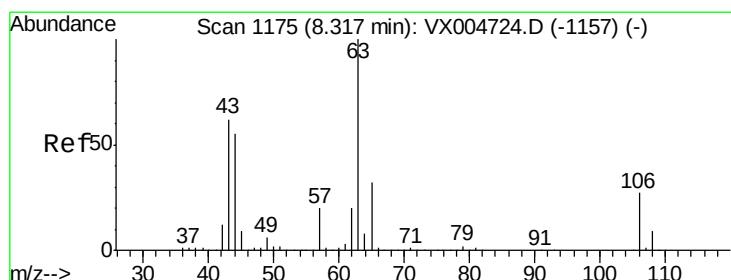
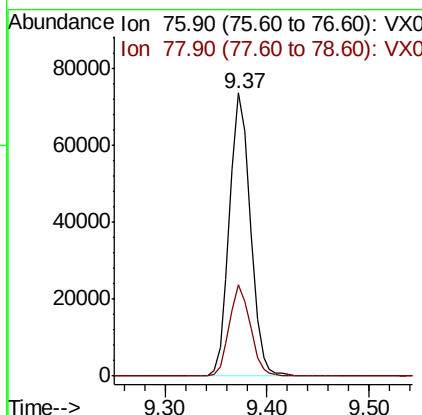
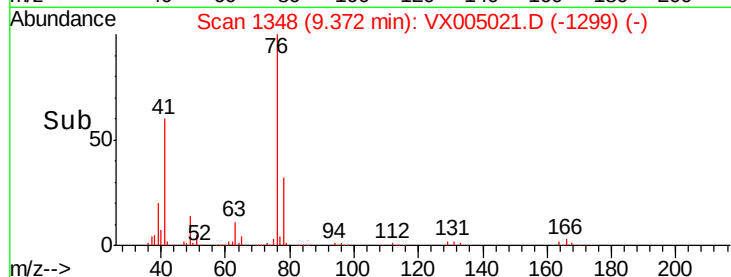
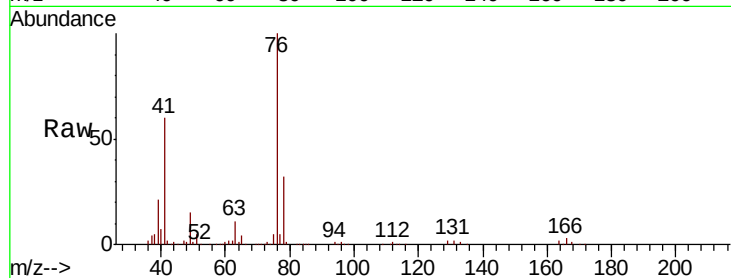
#57
 1,3-Dichloropropane
 Concen: 19.390 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX005021.D
 Acq: 04 Oct 2018 16:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1004WBS03

Tot Ion: 76 Resp: 104943
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.6 40.0

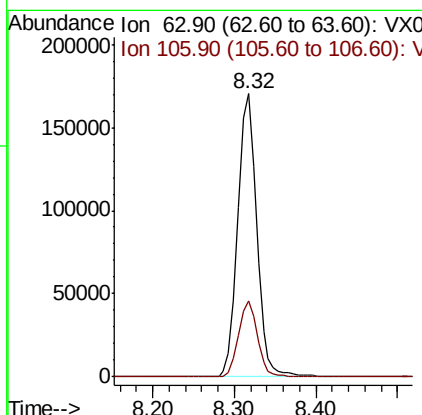
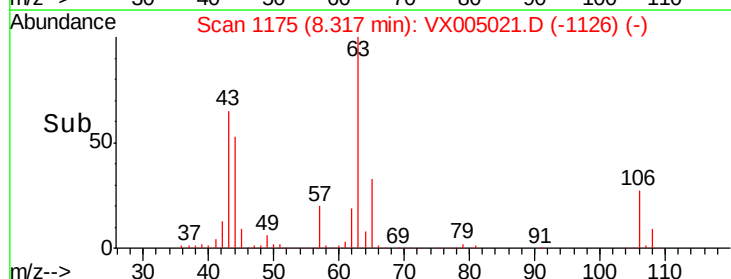
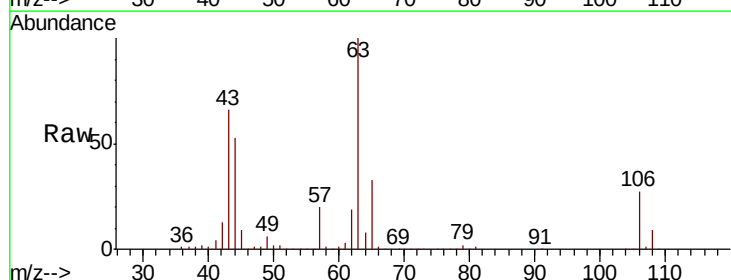
Manual Integrations
 APPROVED

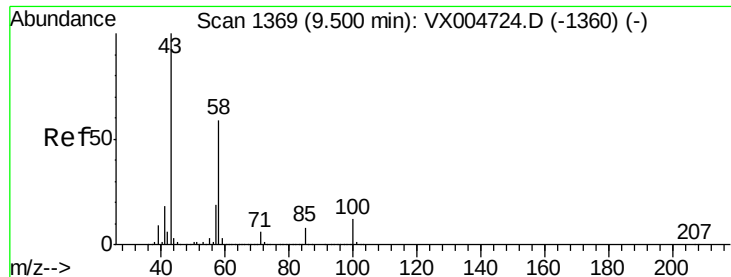
MMDadoda
 10/5/2018 3:24:52 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 105.997 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VX005021.D
 Acq: 04 Oct 2018 16:28

Tgt Ion: 63 Resp: 272618
 Ion Ratio Lower Upper
 63 100
 106 27.0 21.0 31.6





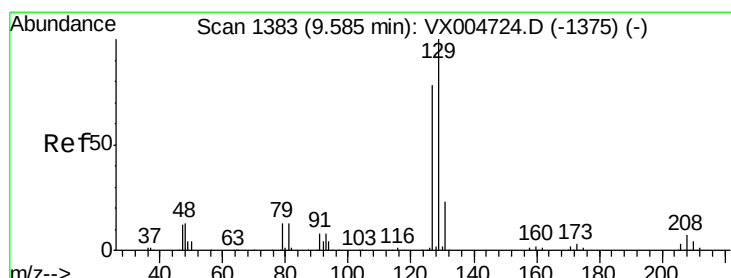
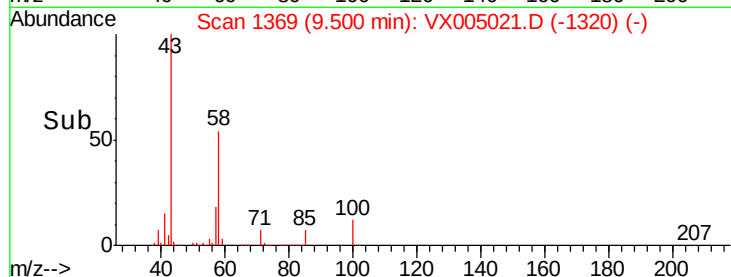
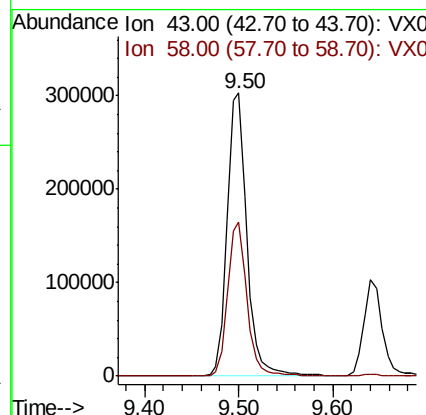
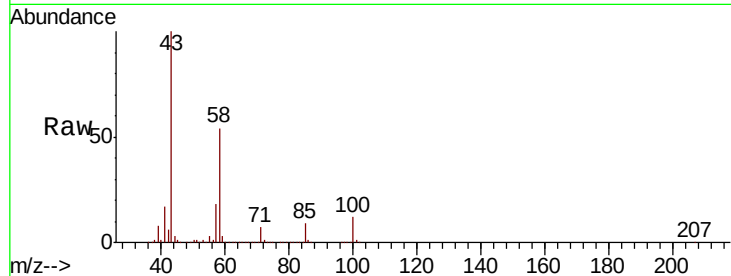
#59
2-Hexanone
Concen: 100.850 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VX005021.D
Acq: 04 Oct 2018 16:28

Instrument :
MSVOA_X
ClientSampleId :
VX1004WBS03

Tot Ion	43	Resp	437505
Ion Ratio	100	Lower	Upper
58	53.6	28.4	85.3

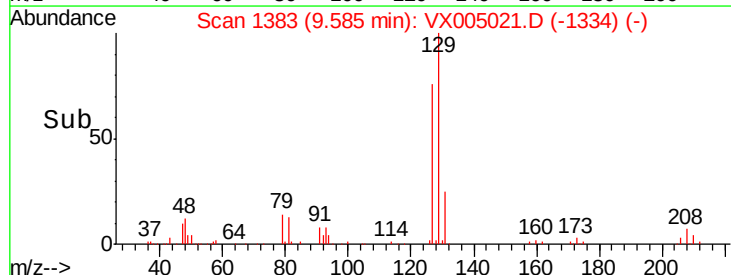
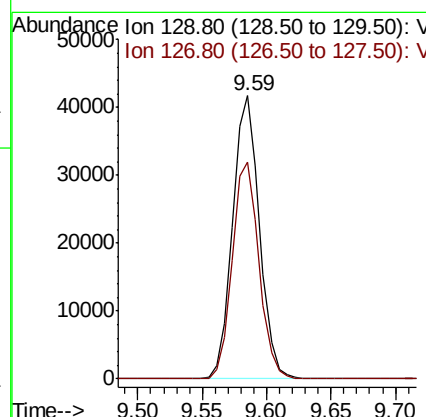
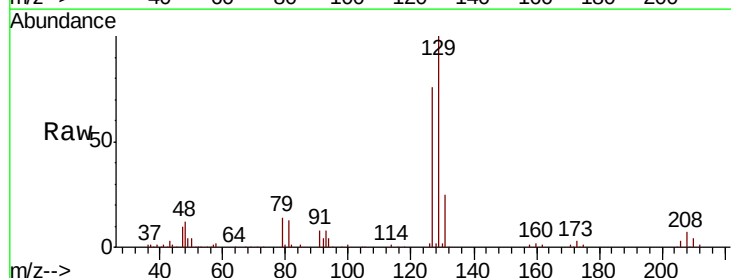
Manual Integrations
APPROVED

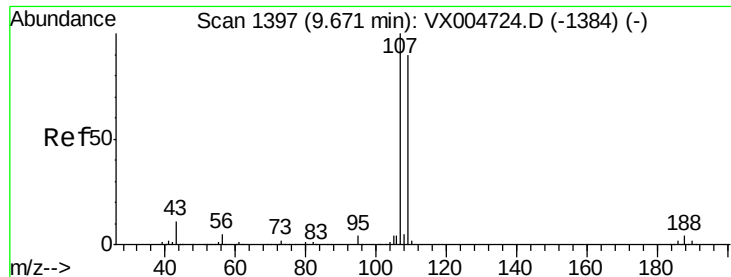
MMDadoda
10/5/2018 3:24:52 PM



#60
Dibromochloromethane
Concen: 18.736 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX005021.D
Acq: 04 Oct 2018 16:28

Tgt Ion	129	Resp	60930
Ion Ratio	100	Lower	Upper
127	76.5	39.1	117.2





#61

1,2-Dibromoethane

Concen: 18.476 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

Instrument :

MSVOA_X

ClientSampleId :

VX1004WBS03

Tot Ion:107 Resp: 64342

Ion Ratio Lower Upper

107 100

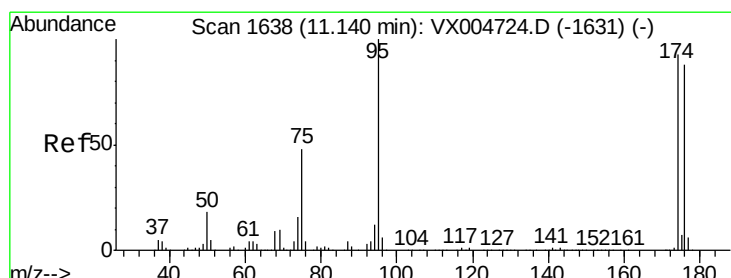
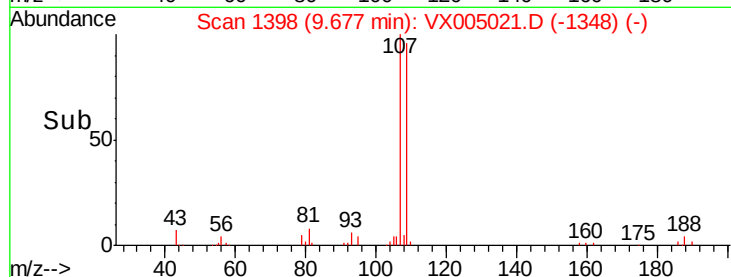
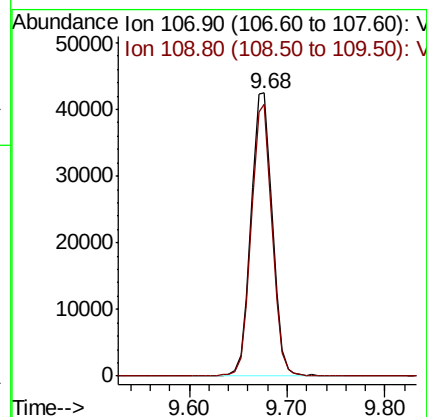
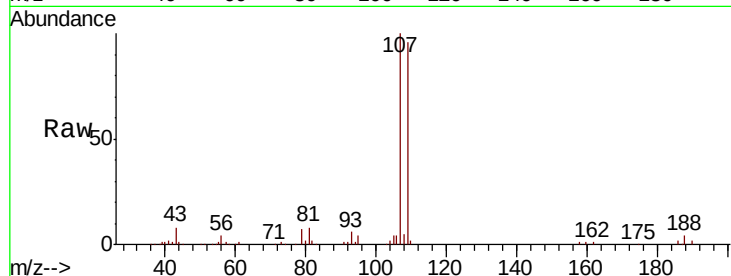
109 93.5 72.1 108.1

Manual Integrations

APPROVED

MMDadoda

10/5/2018 3:24:52 PM



#62

4-Bromofluorobenzene

Concen: 49.981 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

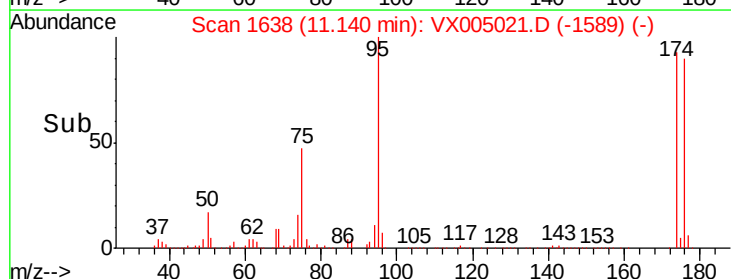
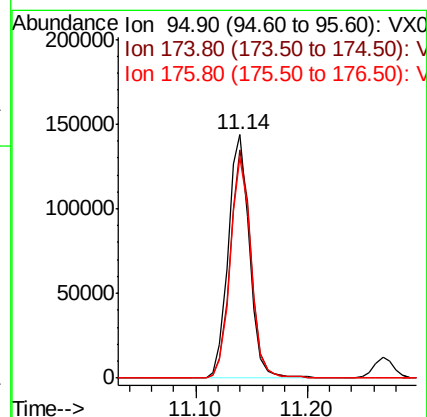
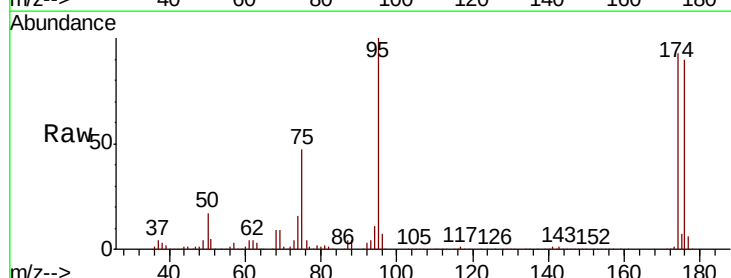
Tgt Ion: 95 Resp: 189335

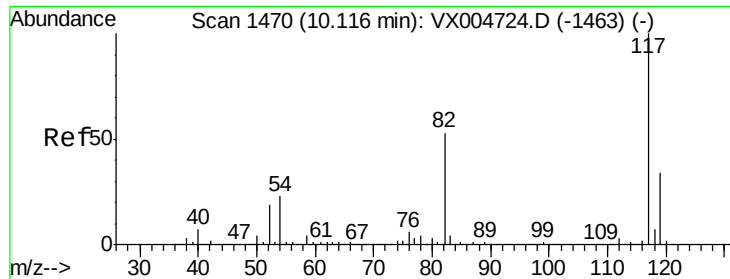
Ion Ratio Lower Upper

95 100

174 91.4 0.0 185.0

176 88.6 0.0 180.2





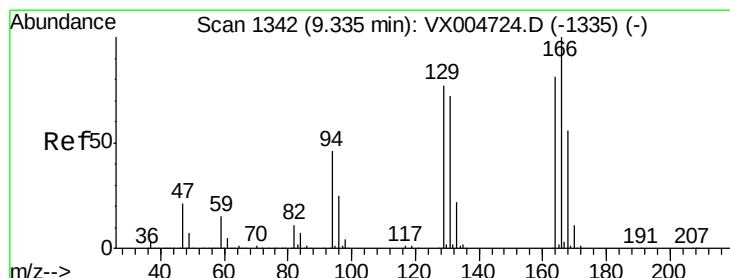
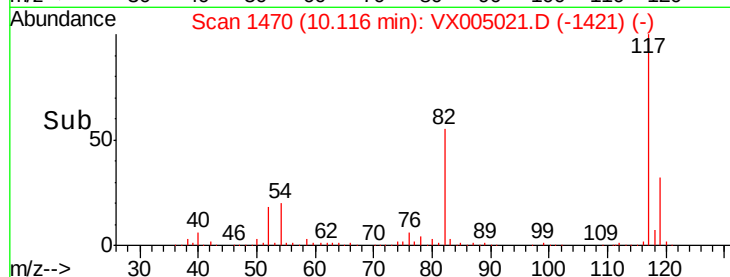
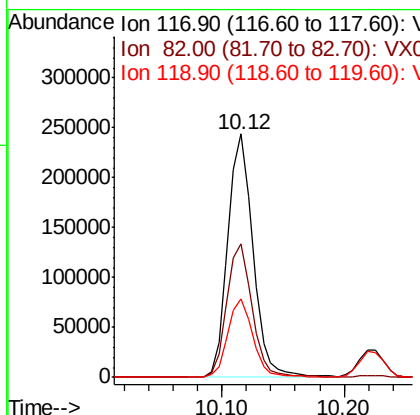
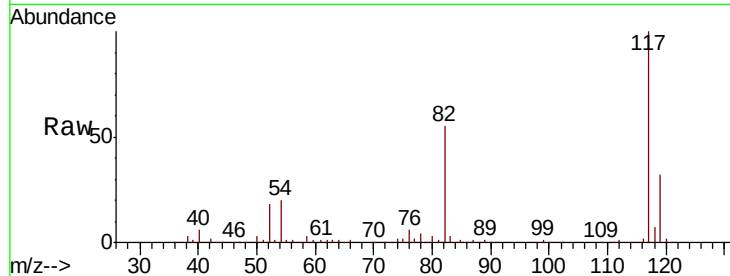
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005021.D
Acq: 04 Oct 2018 16:28

Instrument :
MSVOA_X
ClientSampleId :
VX1004WBS03

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.7	42.2	63.4
119	32.0	27.4	41.0

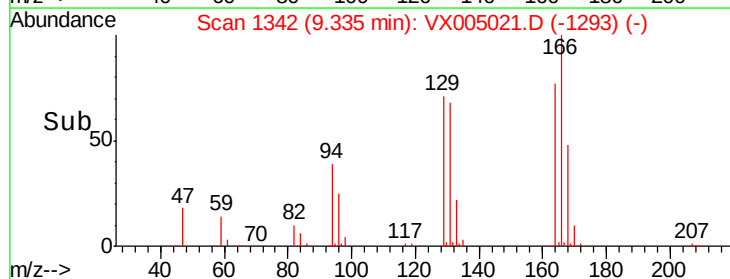
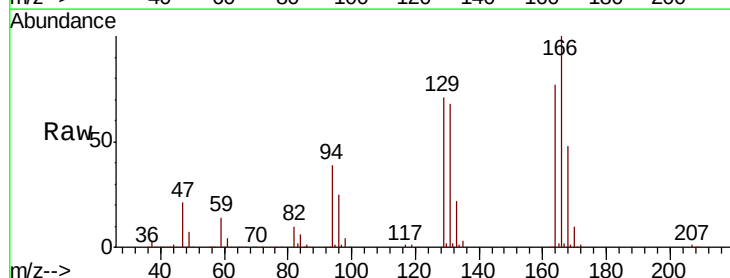
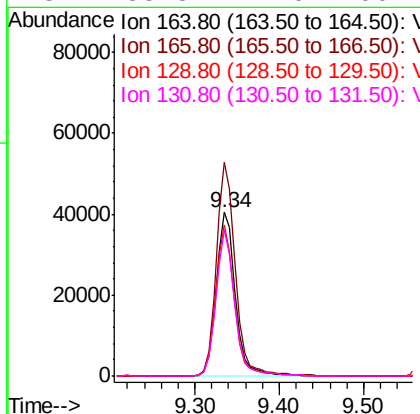
Manual Integrations
APPROVED

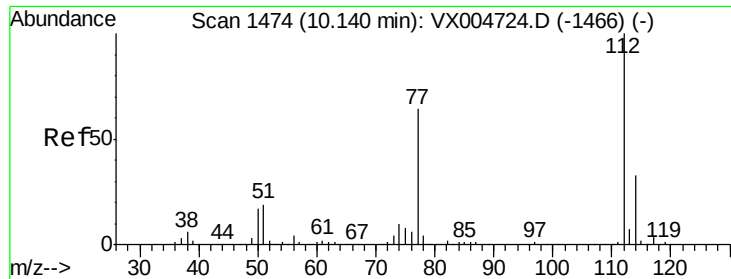
MMDadoda
10/5/2018 3:24:52 PM



#64
Tetrachloroethene
Concen: 18.623 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX005021.D
Acq: 04 Oct 2018 16:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.5	98.4	147.6
129	92.5	76.1	114.1
131	88.8	71.0	106.4





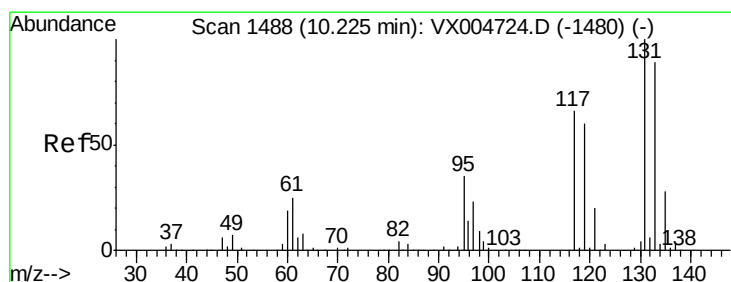
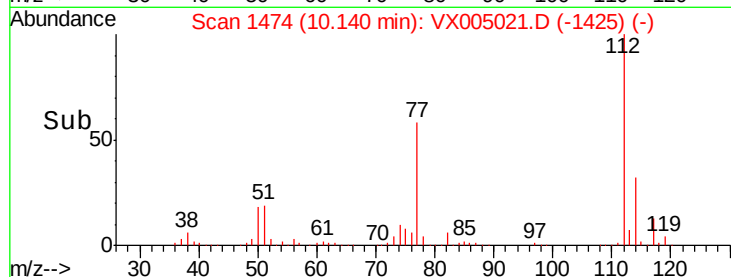
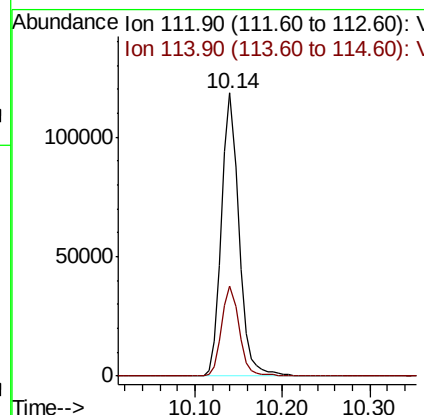
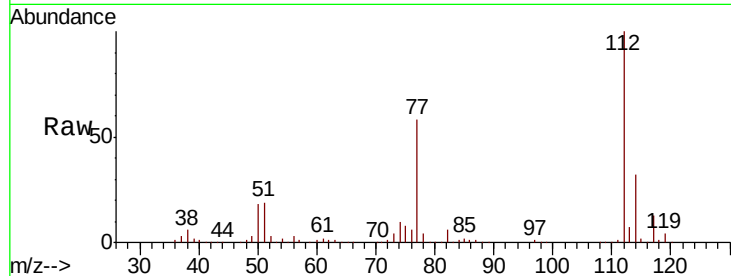
#65
Chlorobenzene
Concen: 18.401 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX005021.D
Acq: 04 Oct 2018 16:28

Instrument :
MSVOA_X
ClientSampled :
VX1004WBS03

Tot Ion:112 Resp: 164561
Ion Ratio Lower Upper
112 100
114 31.9 26.7 40.1

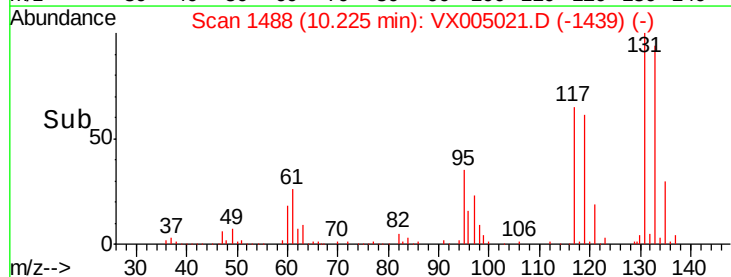
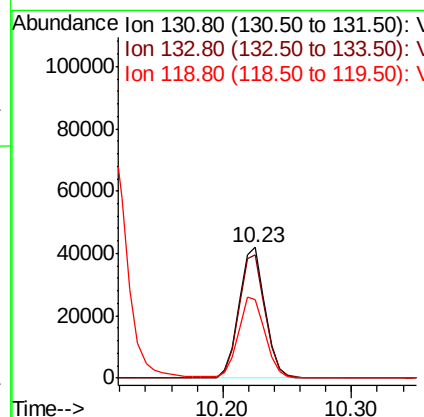
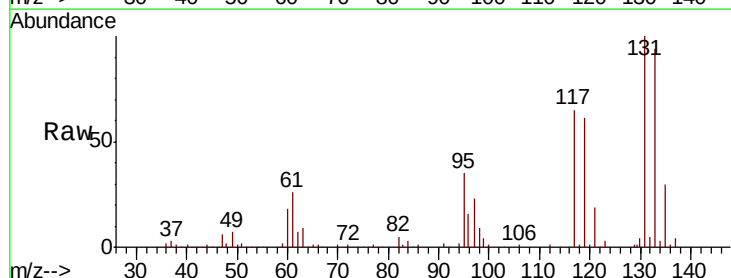
Manual Integrations
APPROVED

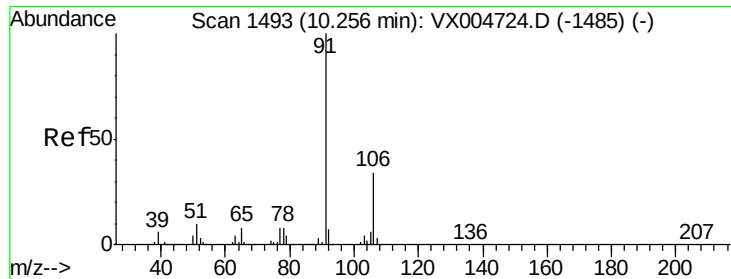
MMDadoda
10/5/2018 3:24:52 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.685 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VX005021.D
Acq: 04 Oct 2018 16:28

Tgt Ion:131 Resp: 58746
Ion Ratio Lower Upper
131 100
133 95.5 48.4 145.0
119 64.8 32.3 96.8





#67

Ethyl Benzene

Concen: 19.041 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

Instrument :

MSVOA_X

ClientSampleId :

VX1004WBS03

Tot Ion: 91 Resp: 270360

Ion Ratio Lower Upper

91 100

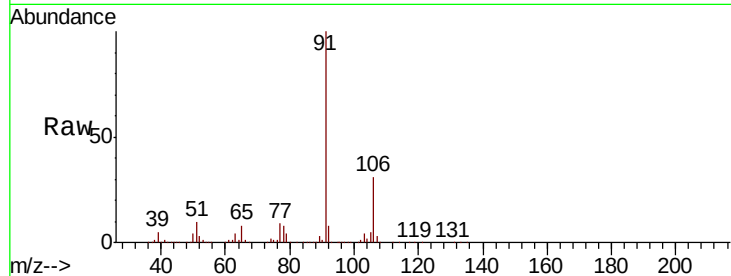
106 31.0 26.9 40.3

Manual Integrations

APPROVED

MMDadoda

10/5/2018 3:24:52 PM



Abundance Ion 91.00 (90.70 to 91.70): VX004724.D (-1485) (-)

Ion 106.00 (105.70 to 106.70): VX004724.D (-1485) (-)

300000

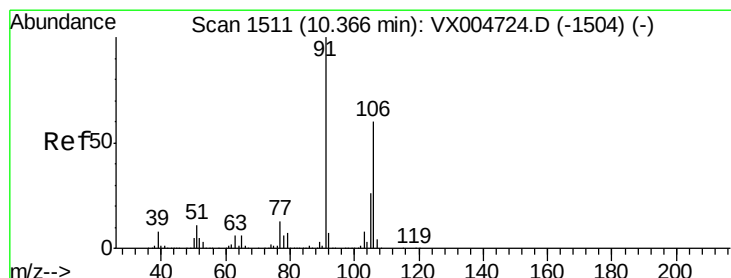
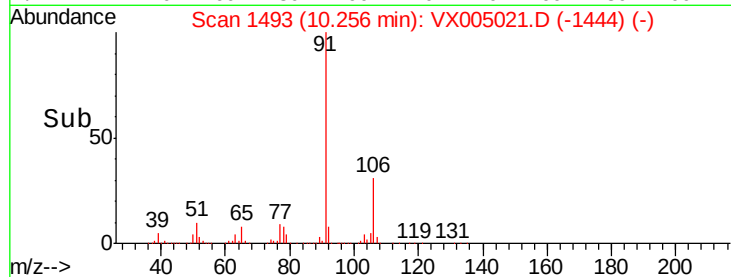
200000

100000

0

10.20 10.26 10.30

Time-->



#68

m/p-Xylenes

Concen: 38.567 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VX005021.D

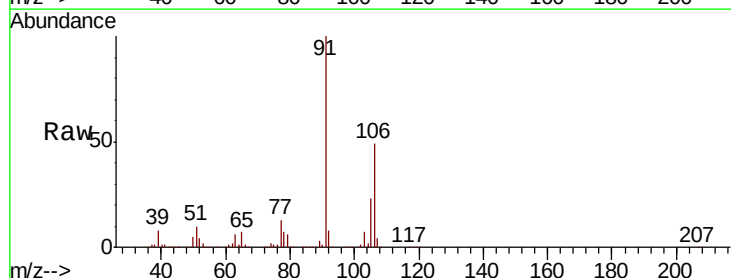
Acq: 04 Oct 2018 16:28

Tgt Ion: 106 Resp: 213985

Ion Ratio Lower Upper

106 100

91 202.8 157.5 236.3



Abundance Ion 106.00 (105.70 to 106.70): VX004724.D (-1504) (-)

Ion 91.00 (90.70 to 91.70): VX004724.D (-1504) (-)

300000

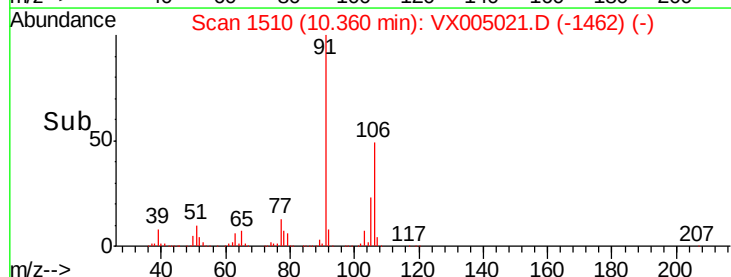
200000

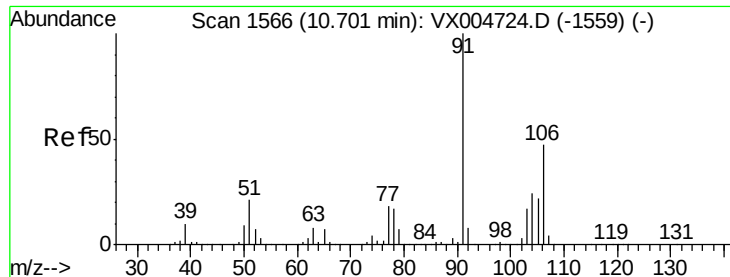
100000

0

10.30 10.36 10.40 10.50

Time-->





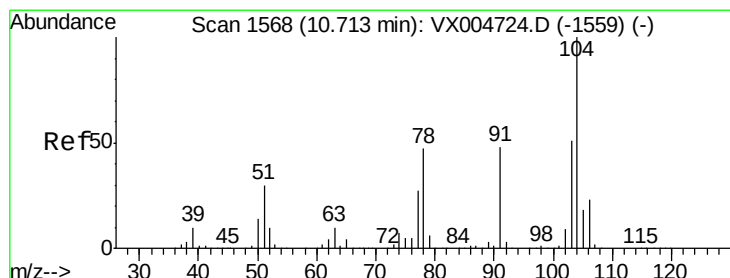
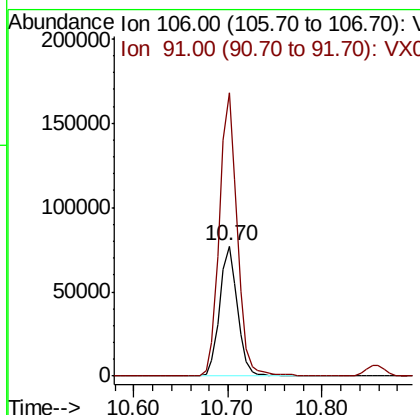
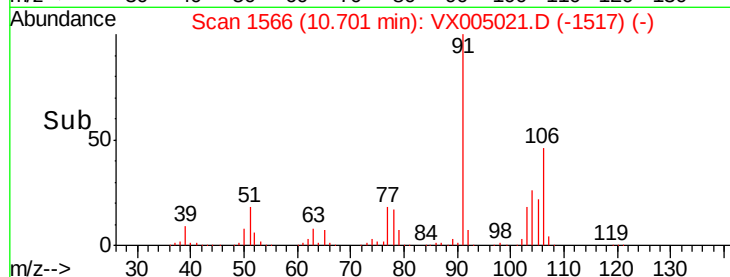
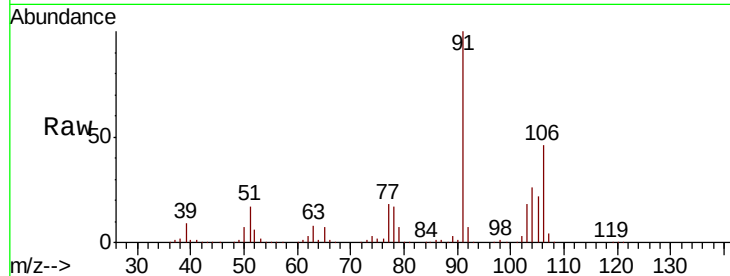
#69
o-Xylene
Concen: 20.021 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX005021.D
Acq: 04 Oct 2018 16:28

Instrument :
MSVOA_X
ClientSampled :
VX1004WBS03

Tot Ion	Ratio	Lower	Upper
106	100		
91	216.8	108.3	324.8

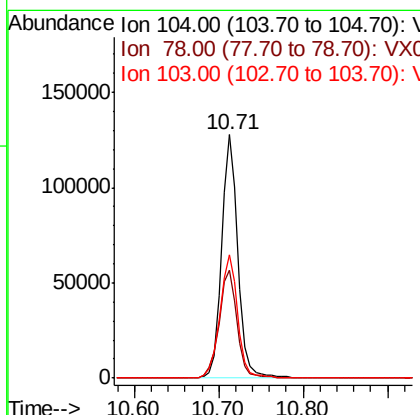
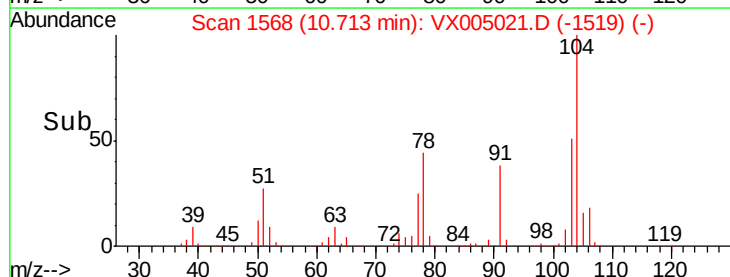
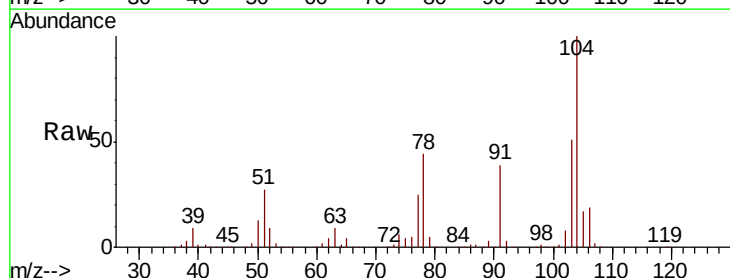
Manual Integrations
APPROVED

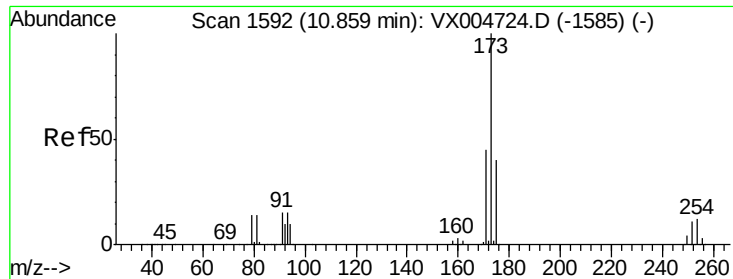
MMDadoda
10/5/2018 3:24:52 PM



#70
Styrene
Concen: 19.299 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX005021.D
Acq: 04 Oct 2018 16:28

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.4	40.0	60.0
103	55.8	44.3	66.5





#71

Bromoform

Concen: 18.118 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

Instrument :

MSVOA_X

ClientSampleId :

VX1004WBS03

Tot Ion:173 Resp: 48767

Ion Ratio Lower Upper

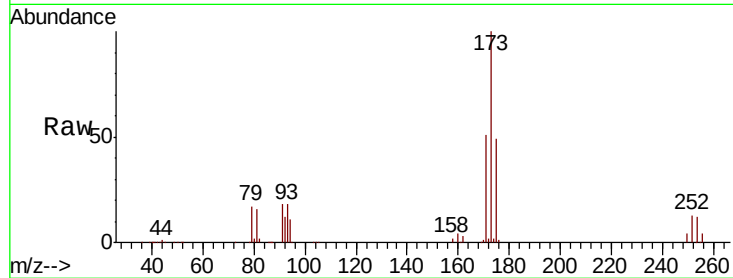
173 100

175 48.9 23.3 69.8

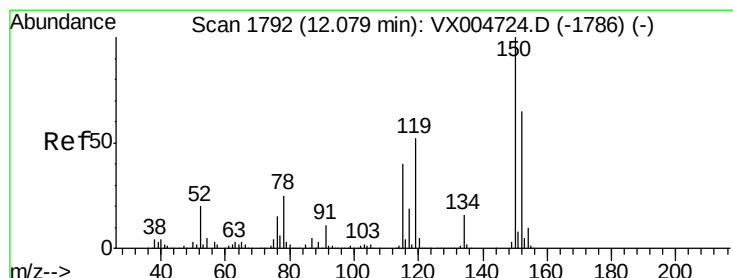
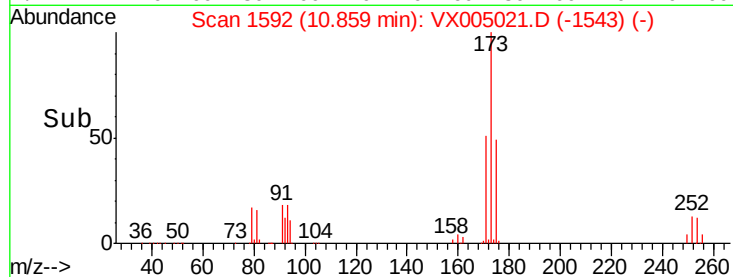
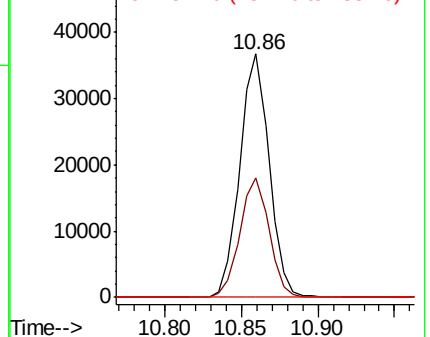
254 0.2 0.2 0.2

Manual Integrations
APPROVED

MMDadoda
10/5/2018 3:24:52 PM



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

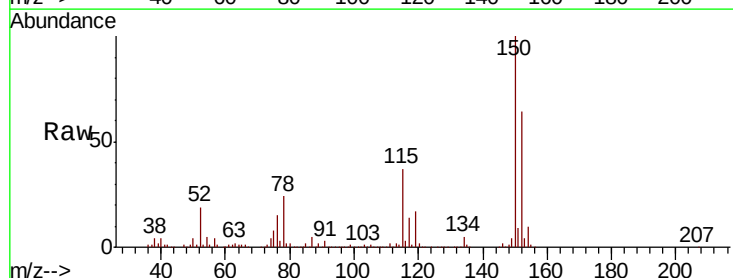
Tgt Ion:152 Resp: 206471

Ion Ratio Lower Upper

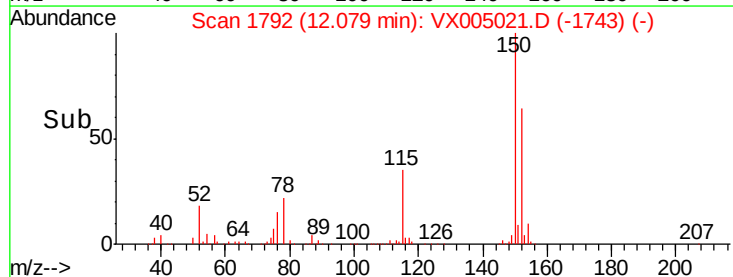
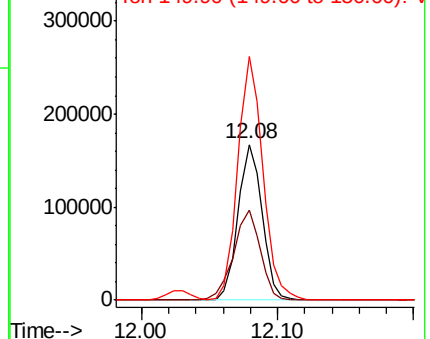
152 100

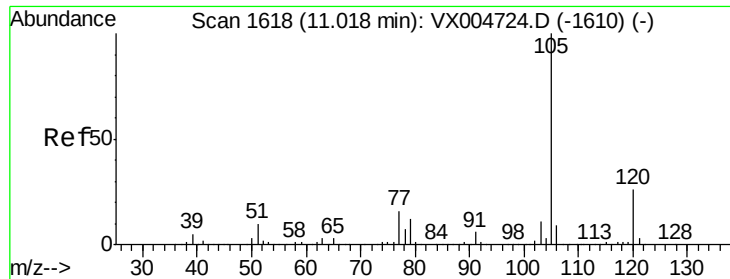
115 64.3 40.2 120.6

150 163.5 0.0 351.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.090 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

Instrument :

MSVOA_X

ClientSampleId :

VX1004WBS03

Tot Ion: 105 Resp: 274467

Ion Ratio Lower Upper

105 100

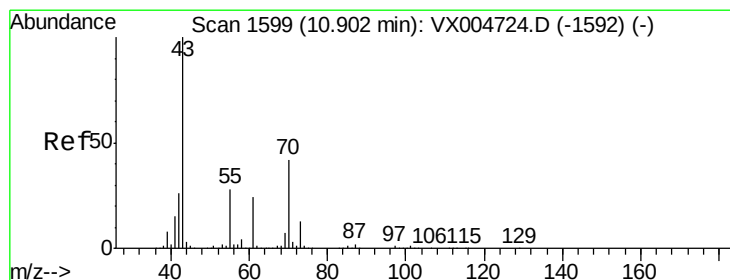
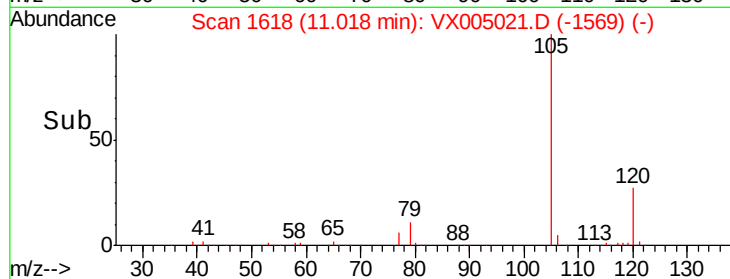
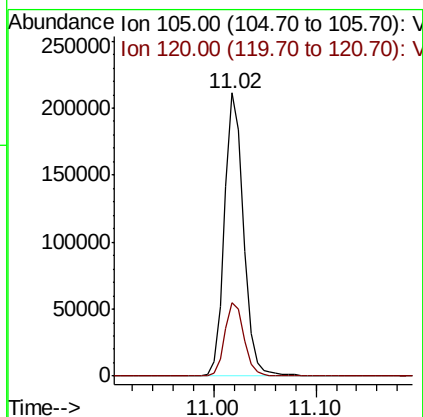
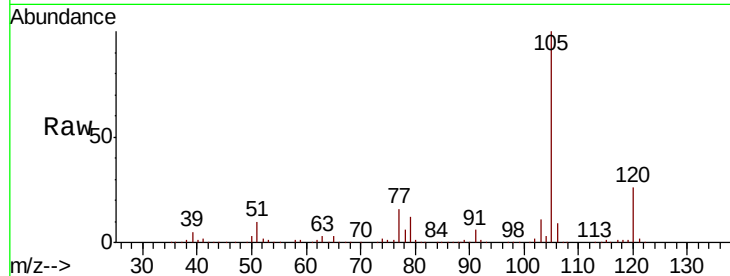
120 26.3 13.2 39.5

Manual Integrations

APPROVED

MMDadoda

10/5/2018 3:24:52 PM



#74

N-ethyl acetate

Concen: 19.334 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

Tgt Ion: 43 Resp: 130353

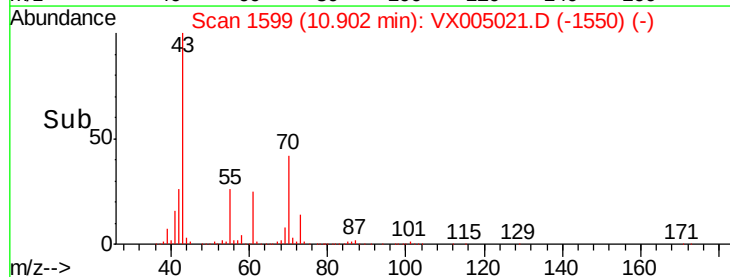
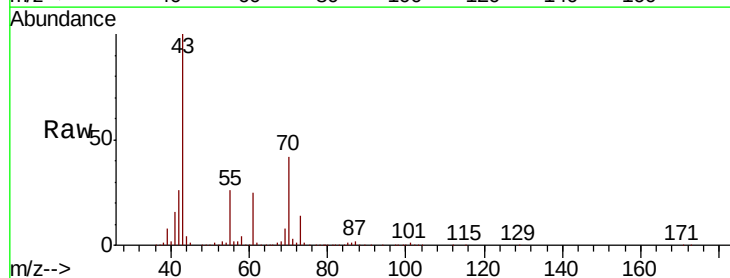
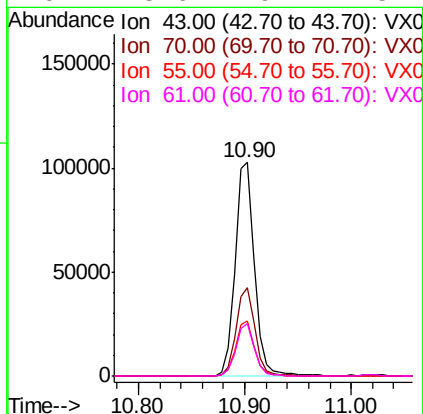
Ion Ratio Lower Upper

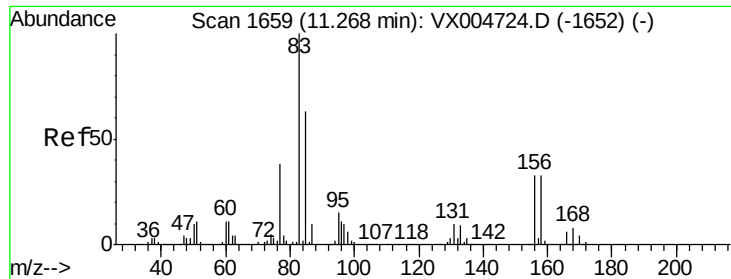
43 100

70 40.9 32.6 48.8

55 25.5 21.6 32.4

61 23.6 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 18.815 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

Instrument :

MSVOA_X

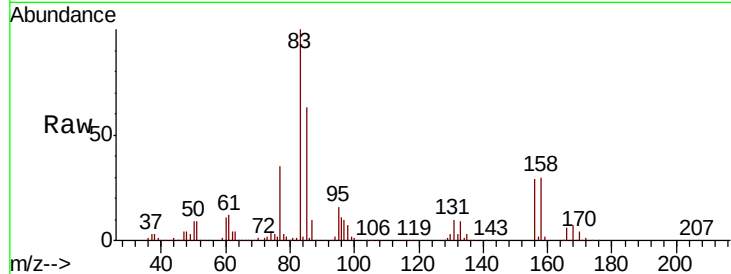
ClientSampleId :

VX1004WBS03

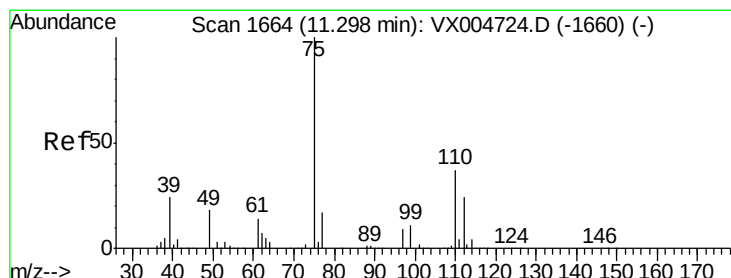
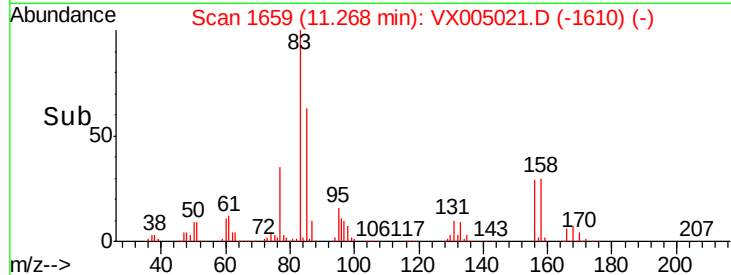
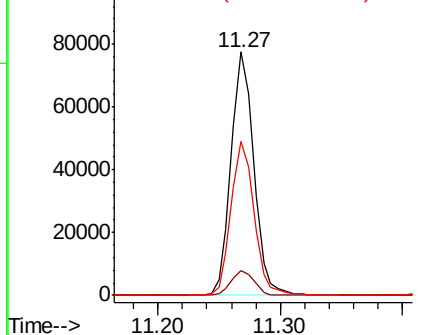
Tot Ion:	83	Resp:	99675
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.1	15.3
85	64.1	31.9	95.9

Manual Integrations
APPROVED

MMDadoda
10/5/2018 3:24:52 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: 20.431 ug/l m

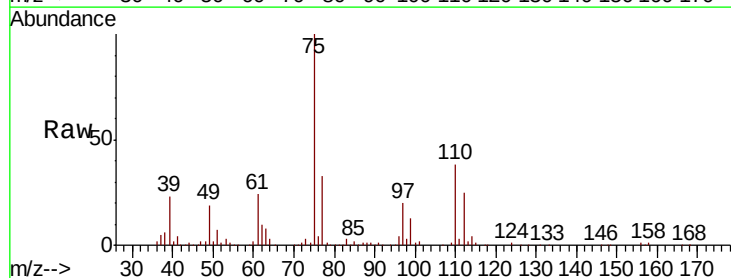
RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

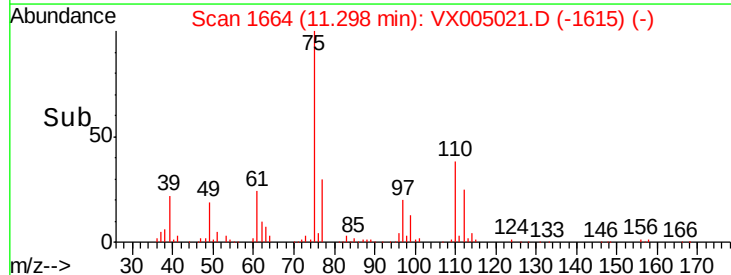
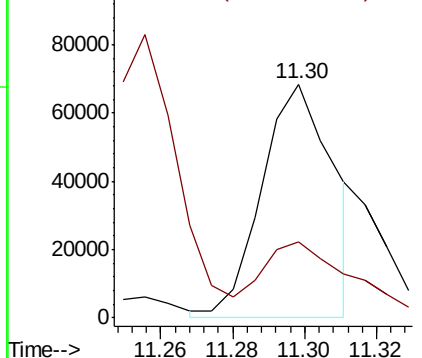
Lab File: VX005021.D

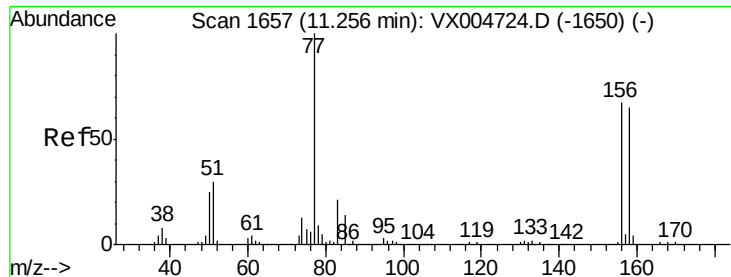
Acq: 04 Oct 2018 16:28

Tgt Ion:	75	Resp:	94552
Ion Ratio	Lower	Upper	
75	100		
77	40.8	21.4	64.3



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





#77

Bromobenzene

Concen: 19.787 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

Instrument :

MSVOA_X

ClientSampleId :

VX1004WBS03

Tot Ion:156 Resp: 74796

Ion Ratio Lower Upper

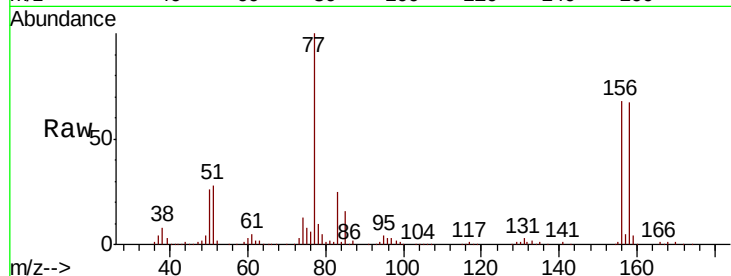
156 100

77 147.0 73.4 220.2

158 97.3 49.1 147.4

Manual Integrations
APPROVED

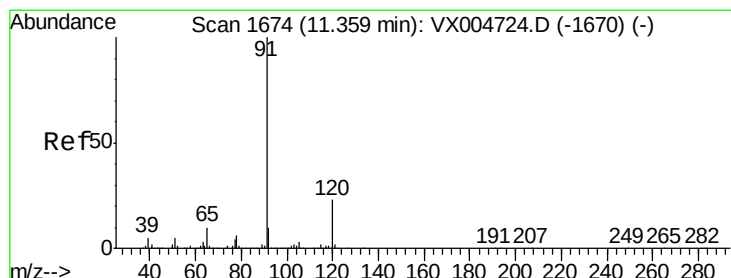
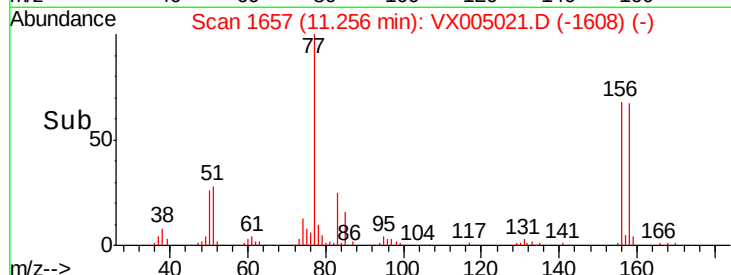
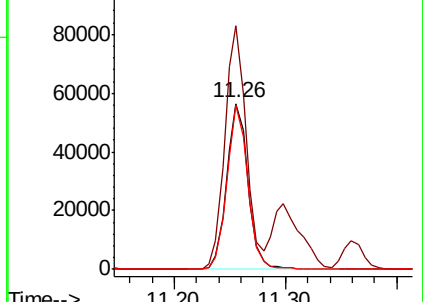
MMDadoda
10/5/2018 3:24:52 PM



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: 20.600 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX005021.D

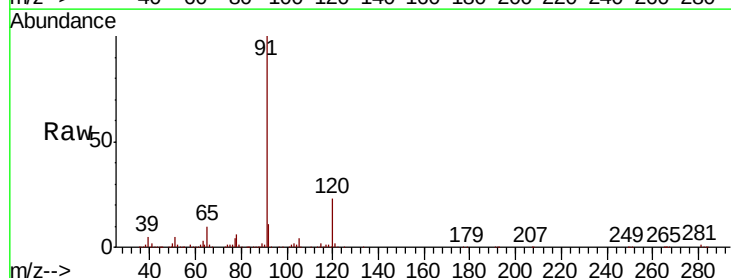
Acq: 04 Oct 2018 16:28

Tgt Ion: 91 Resp: 307596

Ion Ratio Lower Upper

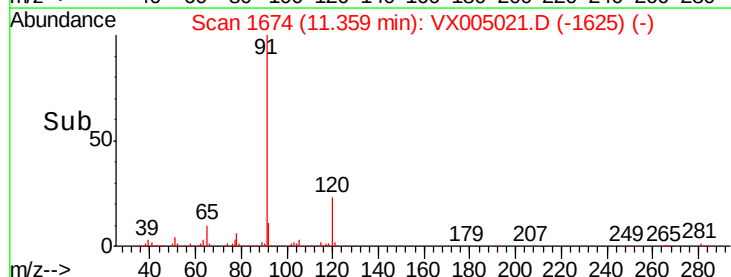
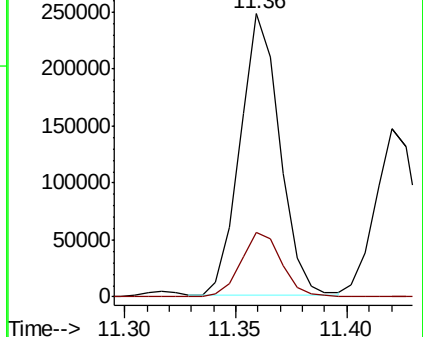
91 100

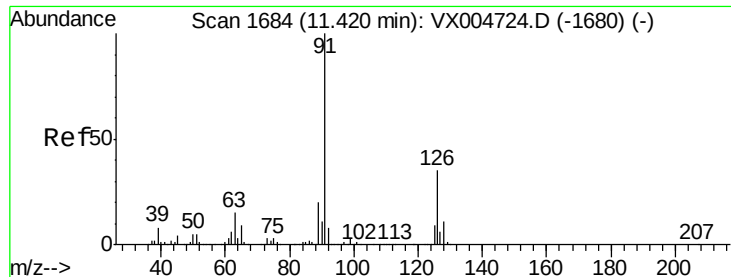
120 23.7 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.452 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

Instrument :

MSVOA_X

ClientSampled :

VX1004WBS03

Tot Ion: 91 Resp: 190354

Ion Ratio Lower Upper

91 100

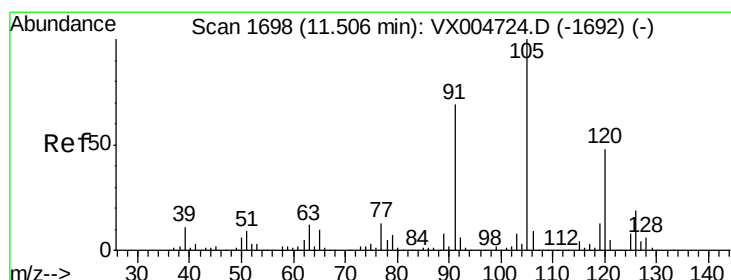
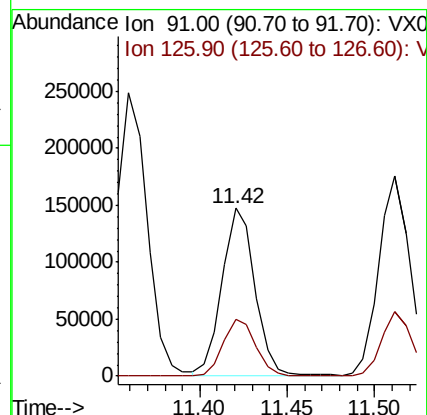
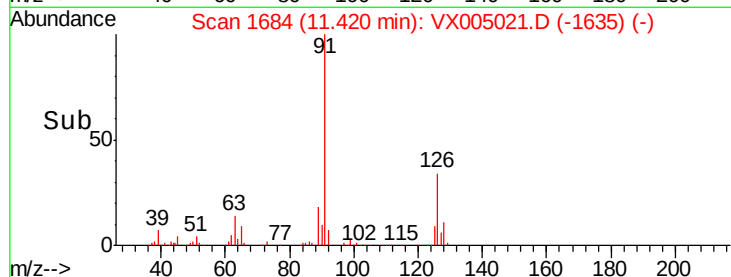
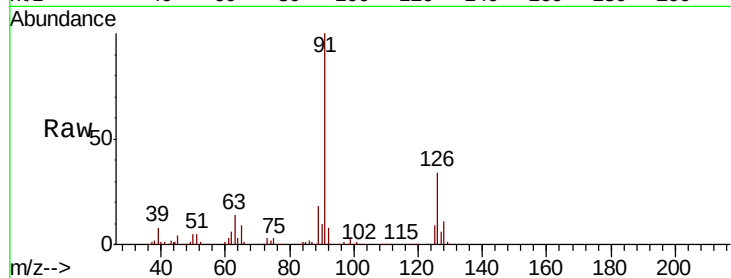
126 34.4 17.6 52.9

Manual Integrations

APPROVED

MMDadoda

10/5/2018 3:24:52 PM



#80

1,3,5-Trimethylbenzene

Concen: 19.184 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX005021.D

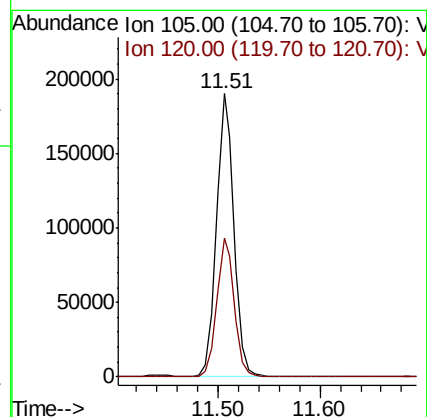
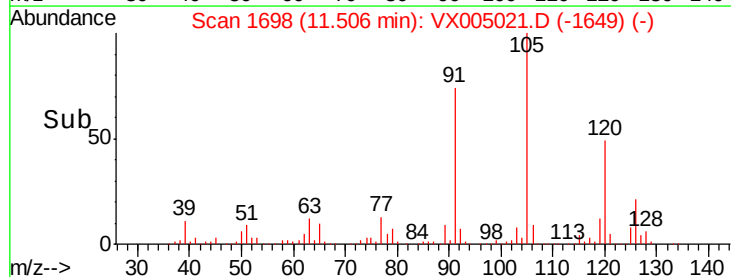
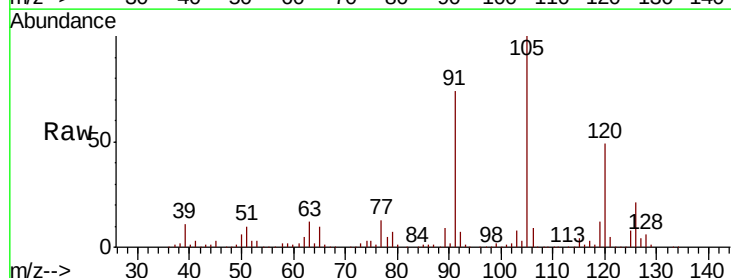
Acq: 04 Oct 2018 16:28

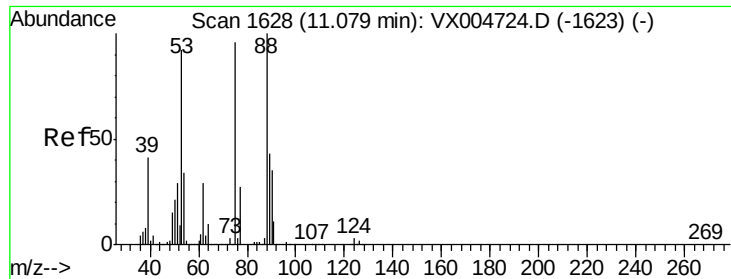
Tgt Ion: 105 Resp: 230284

Ion Ratio Lower Upper

105 100

120 49.1 24.3 72.8





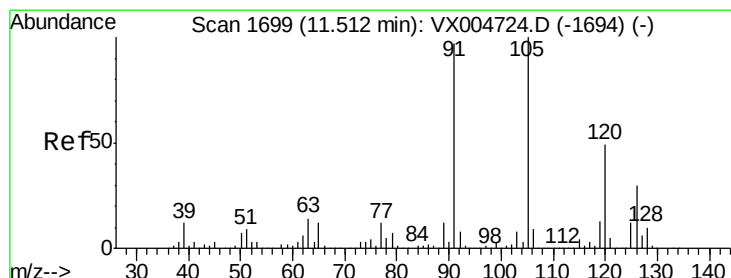
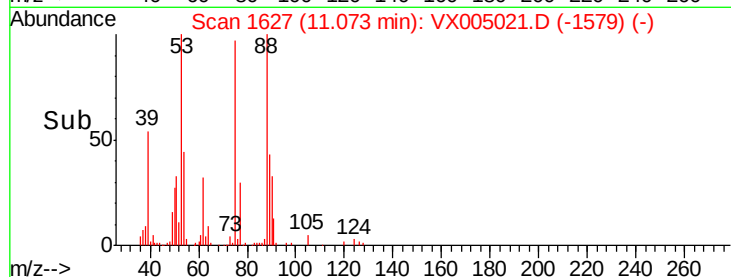
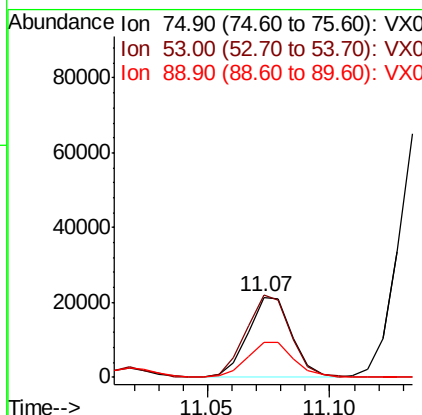
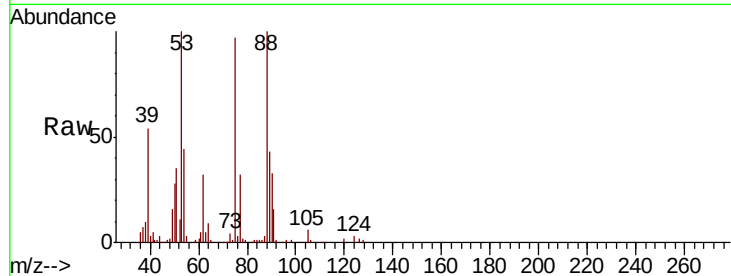
#81
trans-1,4-Dichloro-2-butene
Concen: 17.088 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.01 min
Lab File: VX005021.D
Acq: 04 Oct 2018 16:28

Instrument :
MSVOA_X
ClientSampleId :
VX1004WBS03

Tot Ion	Ratio	Lower	Upper
75	100		
53	106.2	80.2	120.4
89	47.6	37.1	55.7

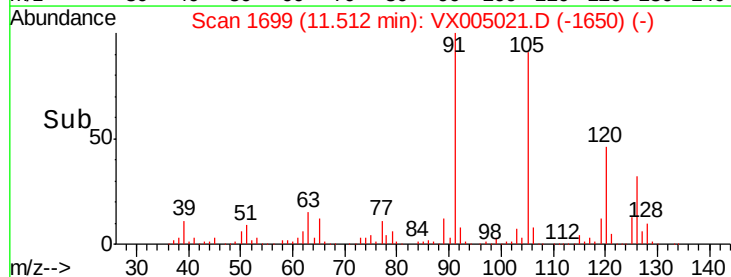
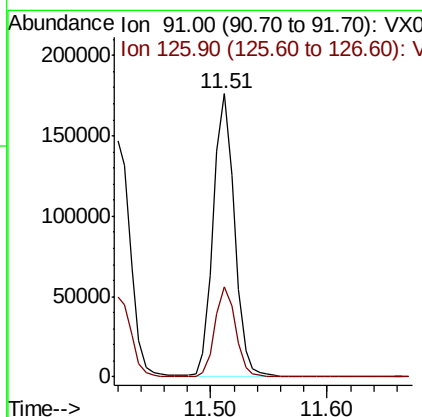
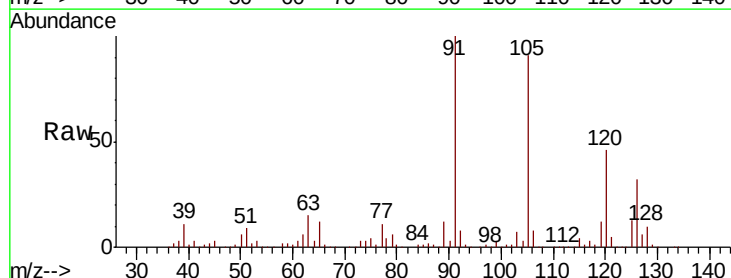
Manual Integrations
APPROVED

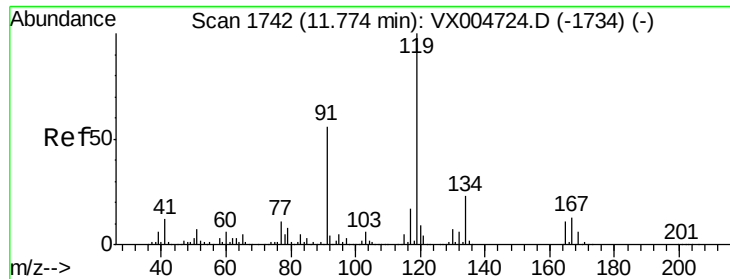
MMDadoda
10/5/2018 3:24:52 PM



#82
4-Chlorotoluene
Concen: 20.162 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX005021.D
Acq: 04 Oct 2018 16:28

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.5	46.5





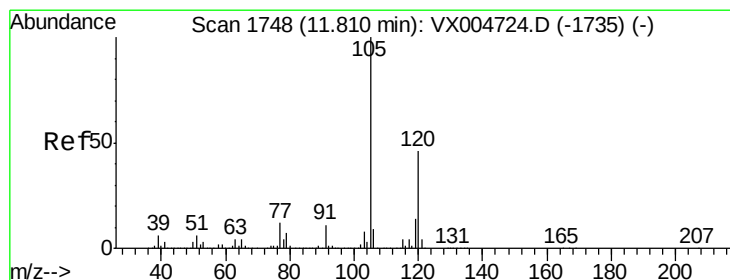
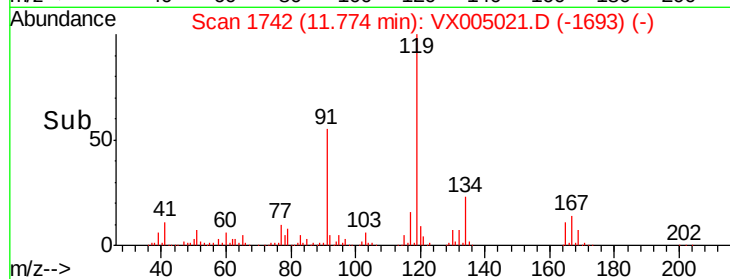
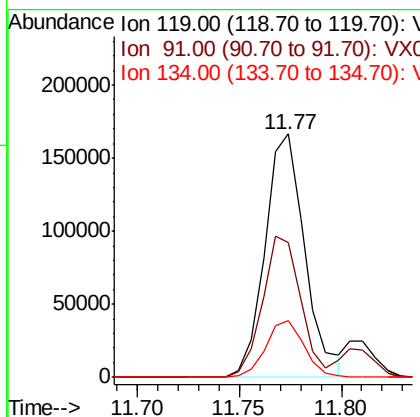
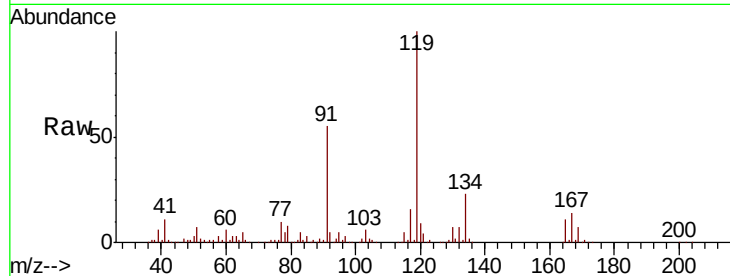
#83
 tert-Butylbenzene
 Concen: 21.168 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX005021.D
 Acq: 04 Oct 2018 16:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1004WBS03

Tot Ion	Ratio	Resp	Lower	Upper
119	100	226819		
91	55.5		27.5	82.5
134	22.7		11.5	34.4

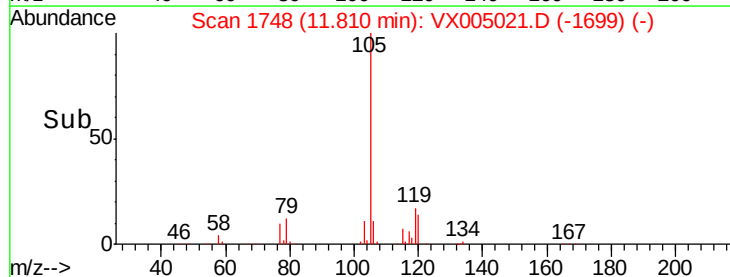
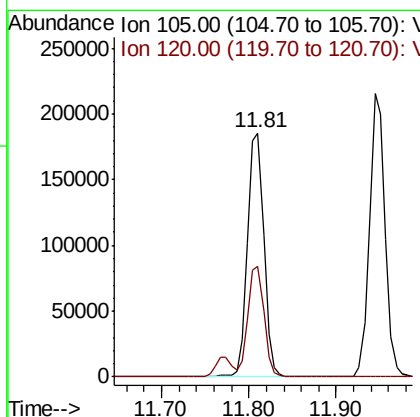
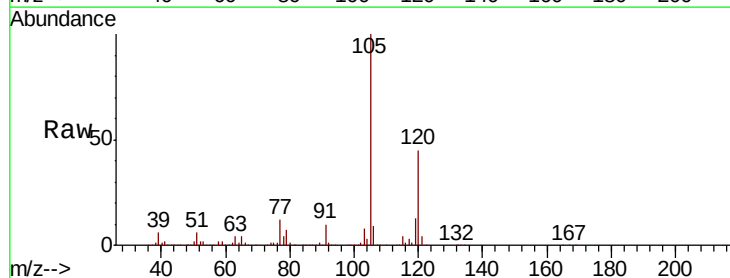
Manual Integrations
 APPROVED

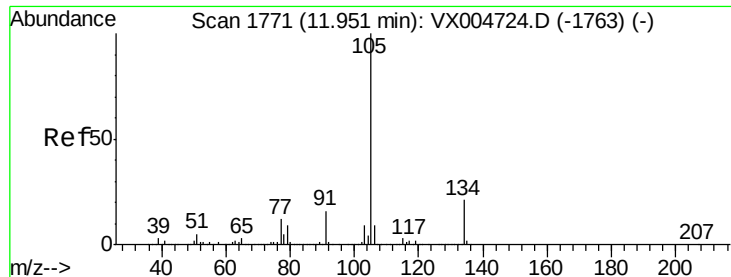
MMDadoda
 10/5/2018 3:24:52 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.398 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX005021.D
 Acq: 04 Oct 2018 16:28

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	240102		
120	44.5		22.8	68.3





#85

sec-Butylbenzene

Concen: 20.731 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

Instrument :

MSVOA_X

ClientSampleId :

VX1004WBS03

Tot Ion:105 Resp: 270562

Ion Ratio Lower Upper

105 100

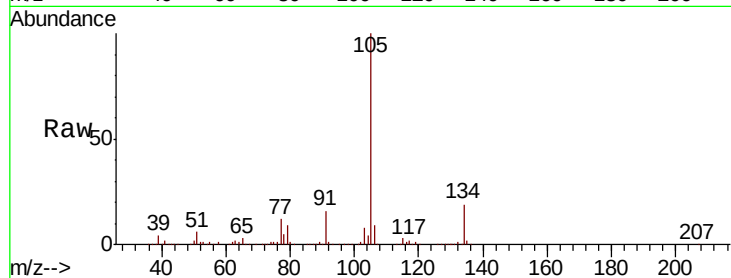
134 20.3 10.2 30.4

Manual Integrations

APPROVED

MMDadoda

10/5/2018 3:24:52 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

100000

50000

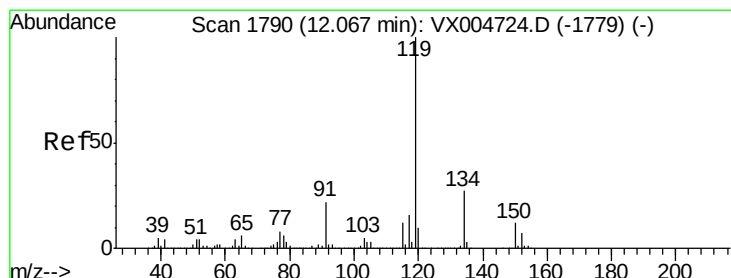
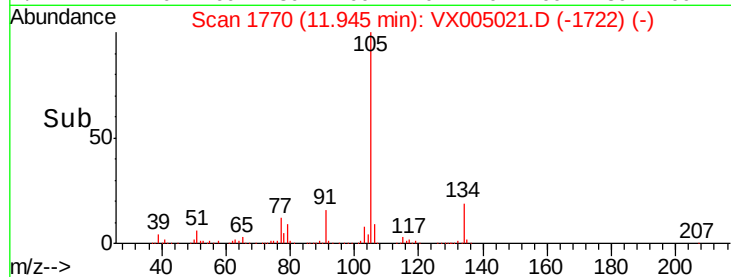
0

11.90

11.94

12.00

Time-->



#86

p-Isopropyltoluene

Concen: 20.301 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

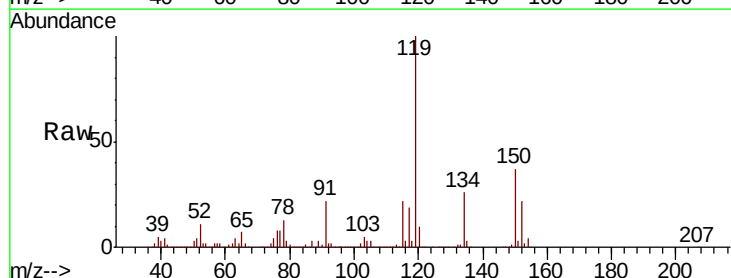
Tgt Ion:119 Resp: 240043

Ion Ratio Lower Upper

119 100

134 26.2 13.4 40.1

91 22.8 11.5 34.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

250000

200000

150000

100000

50000

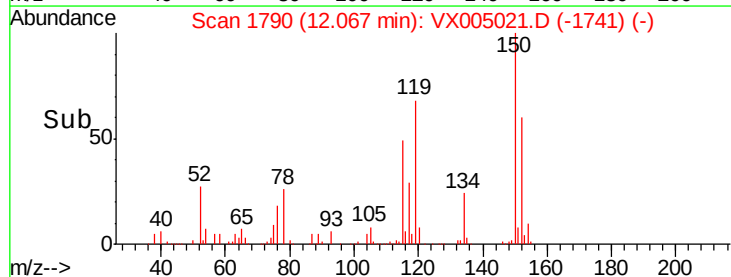
0

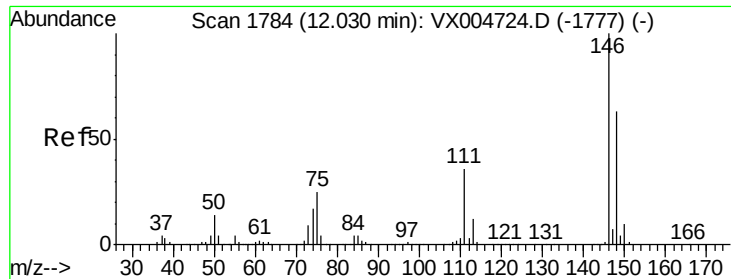
12.00

12.07

12.10

Time-->





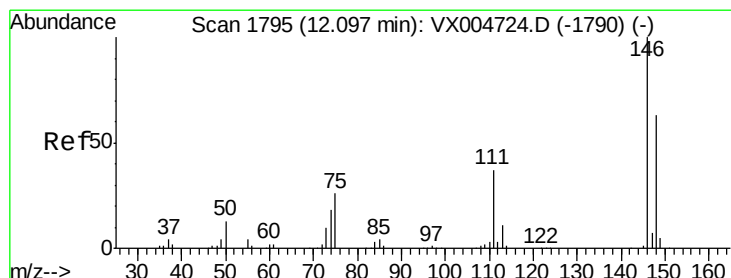
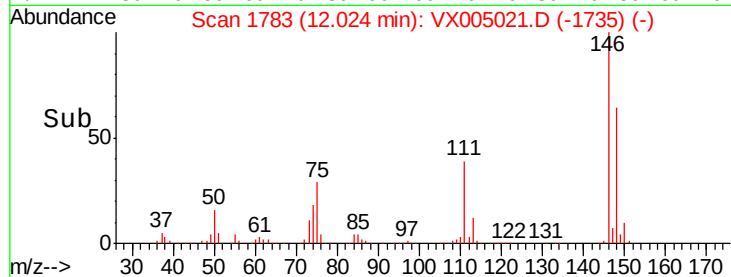
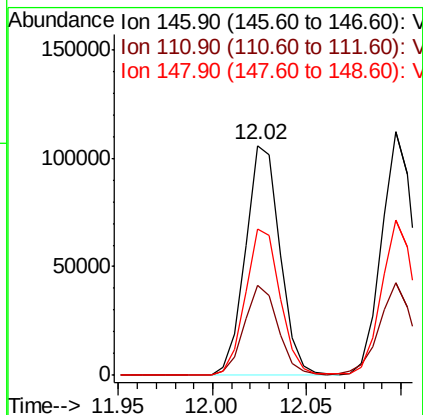
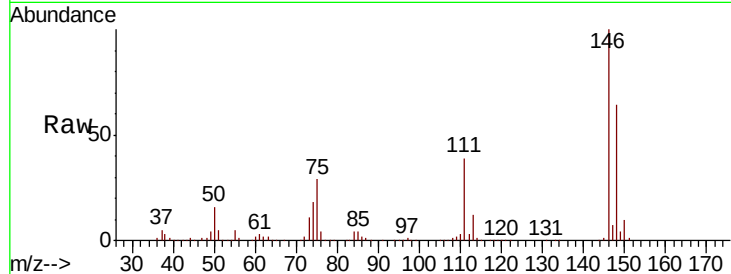
#87
 1,3-Dichlorobenzene
 Concen: 19.178 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: VX005021.D
 Acq: 04 Oct 2018 16:28

Instrument :
 MSVOA_X
 ClientSampled :
 VX1004WBS03

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.9	56.9
148	64.0	31.8	95.3

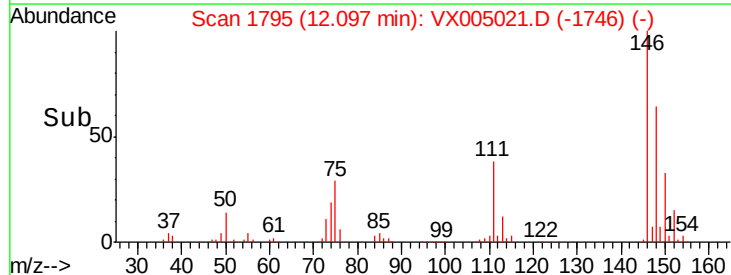
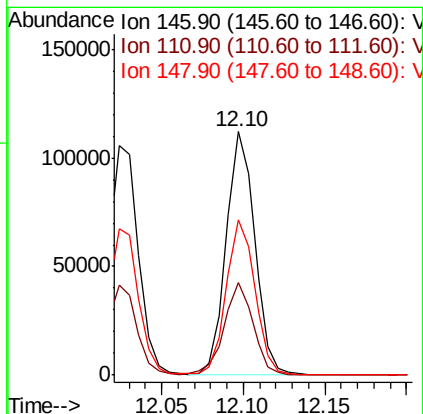
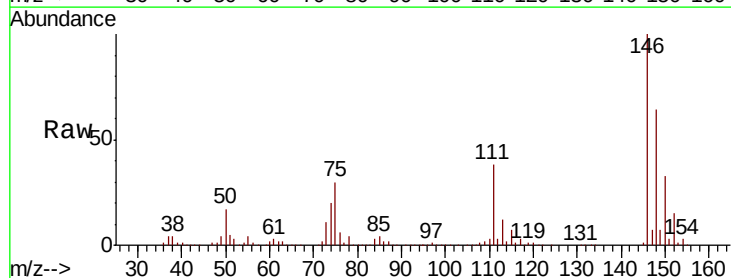
Manual Integrations
 APPROVED

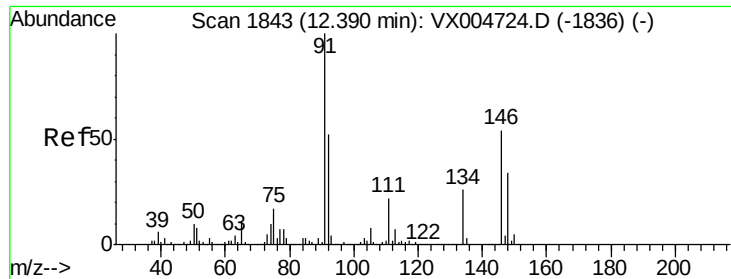
MMDadoda
 10/5/2018 3:24:52 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.822 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX005021.D
 Acq: 04 Oct 2018 16:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.4	55.2
148	64.4	32.0	96.0





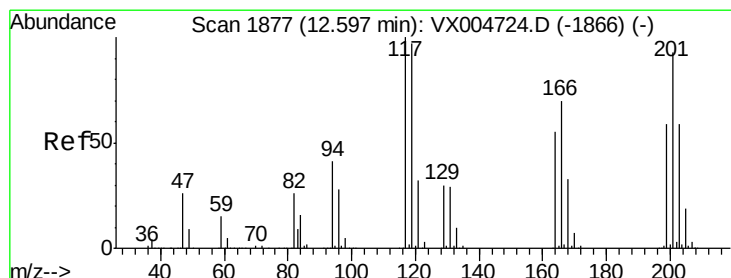
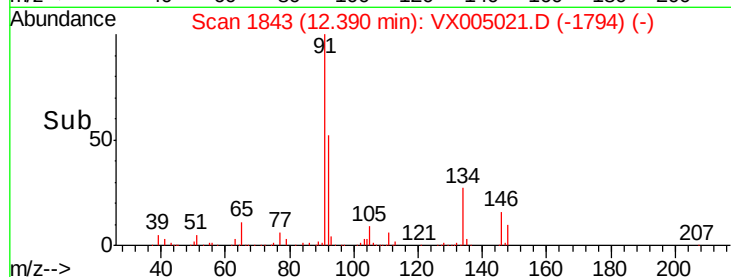
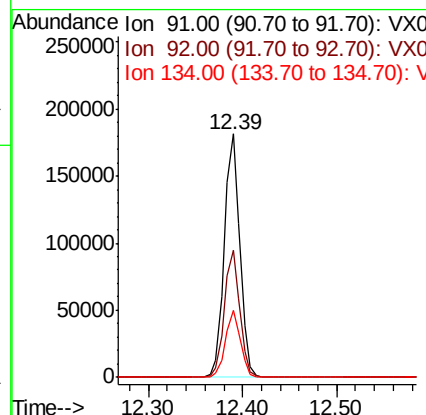
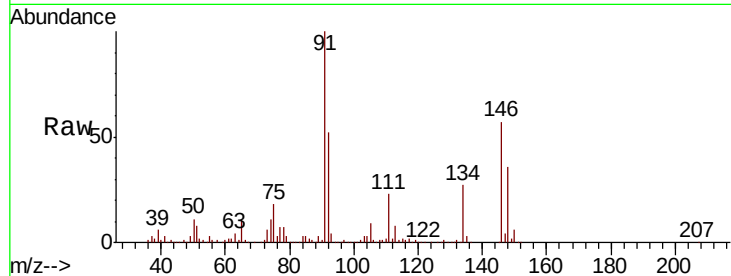
#89
n-Butylbenzene
Concen: 19.337 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX005021.D
Acq: 04 Oct 2018 16:28

Instrument :
MSVOA_X
ClientSampleId :
VX1004WBS03

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.0	78.0
134	26.4	13.2	39.6

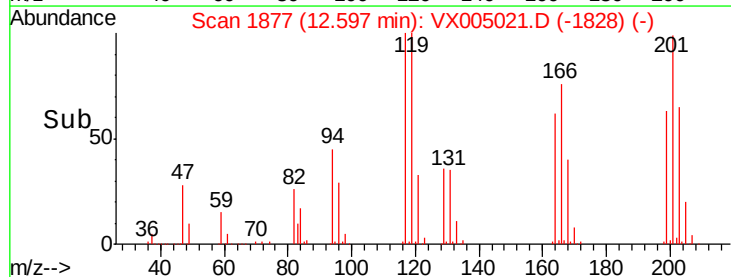
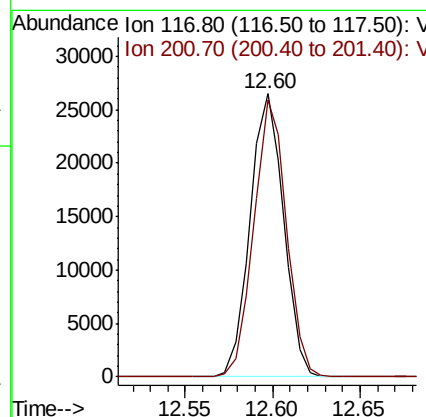
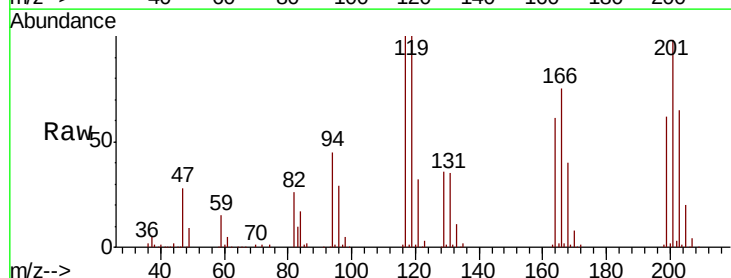
Manual Integrations
APPROVED

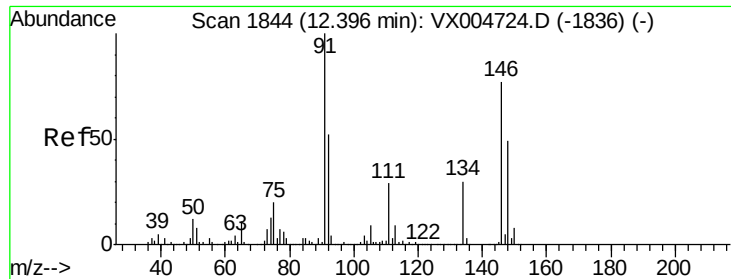
MMDadoda
10/5/2018 3:24:52 PM



#90
Hexachloroethane
Concen: 17.900 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX005021.D
Acq: 04 Oct 2018 16:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	95.0	48.4	145.0





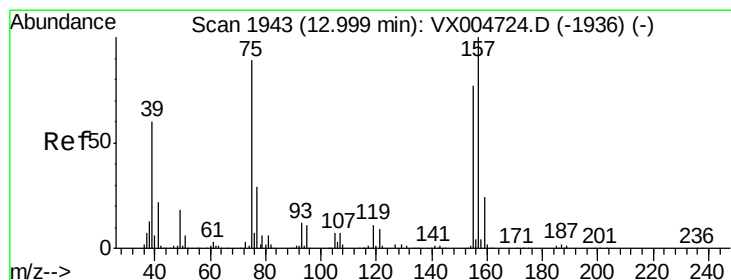
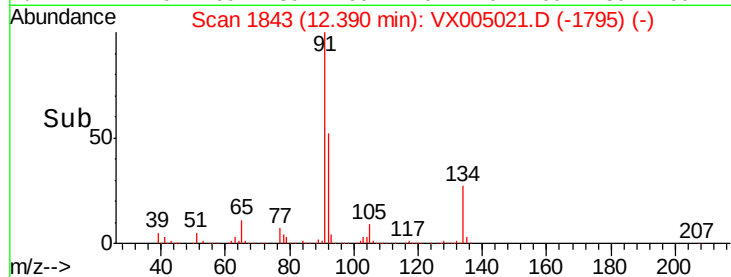
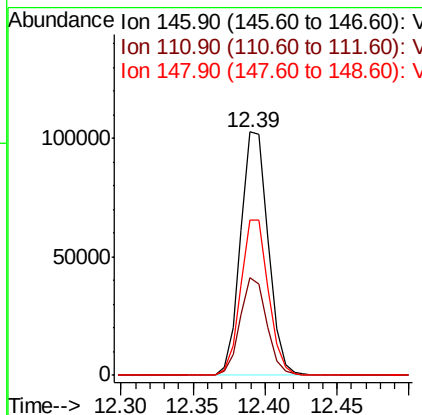
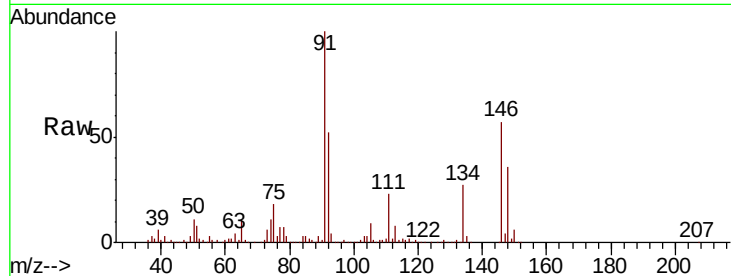
#91
 1,2-Dichlorobenzene
 Concen: 18.542 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: VX005021.D
 Acq: 04 Oct 2018 16:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1004WBS03

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.6	58.7
148	63.9	31.8	95.4

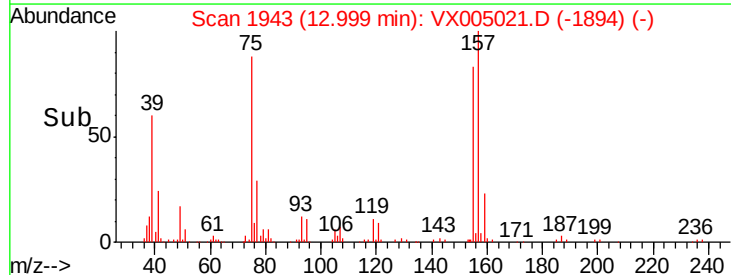
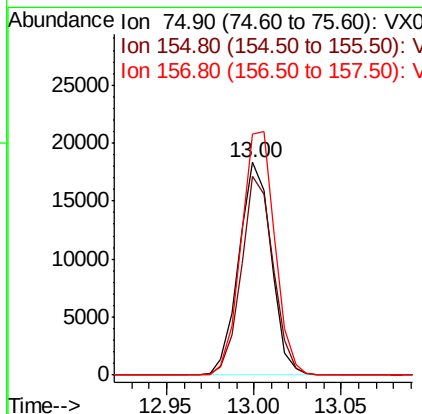
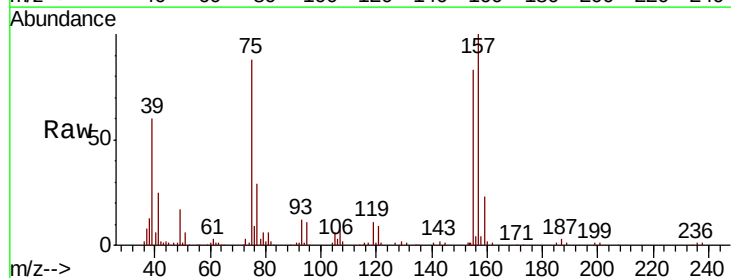
Manual Integrations
 APPROVED

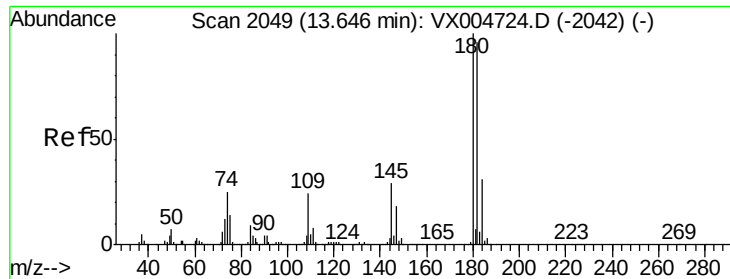
MMDadoda
 10/5/2018 3:24:52 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.289 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX005021.D
 Acq: 04 Oct 2018 16:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.0	46.1	138.3
157	118.3	60.2	180.6





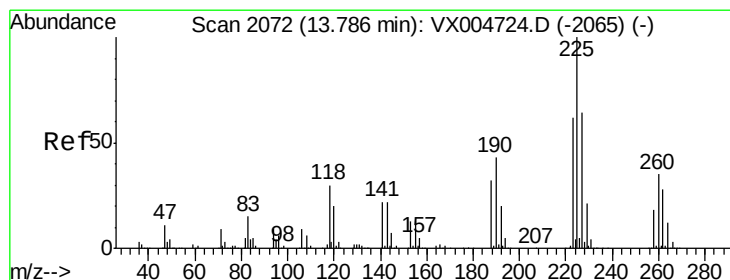
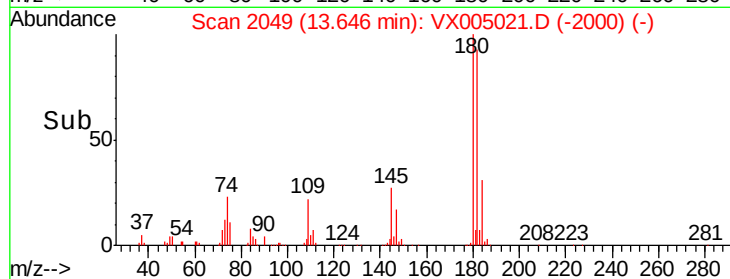
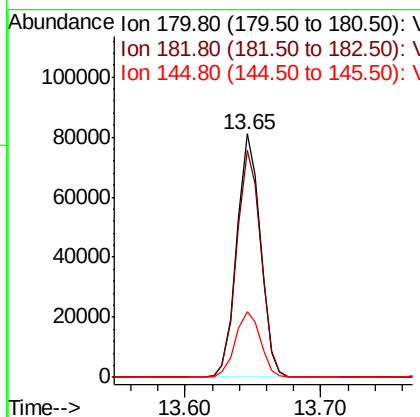
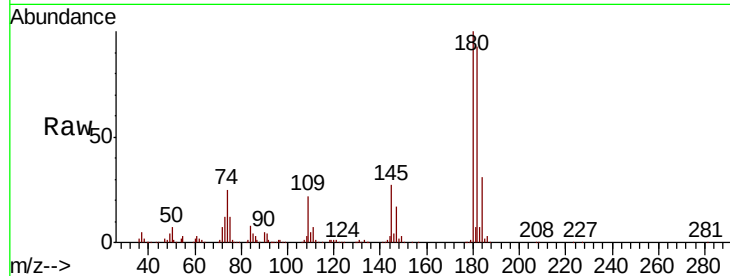
#93
 1,2,4-Trichlorobenzene
 Concen: 18.996 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX005021.D
 Acq: 04 Oct 2018 16:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1004WBS03

Tot Ion	Ratio	Resp	Lower	Upper
180	100	98296		
182	95.2	47.8	143.4	
145	28.4	14.1	42.4	

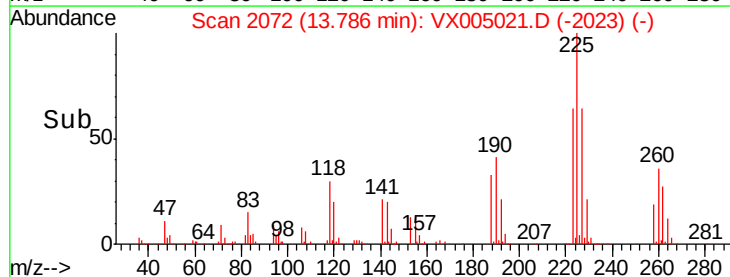
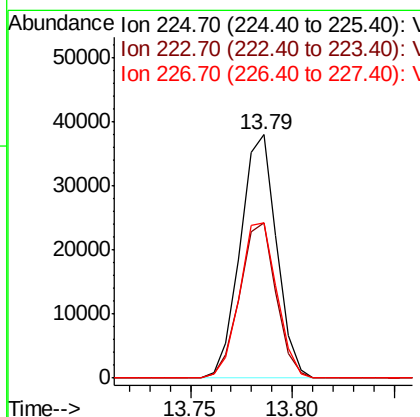
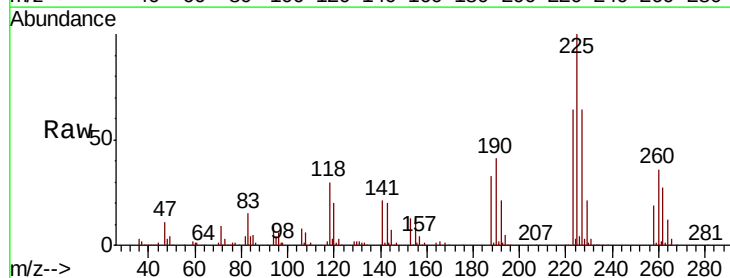
Manual Integrations
 APPROVED

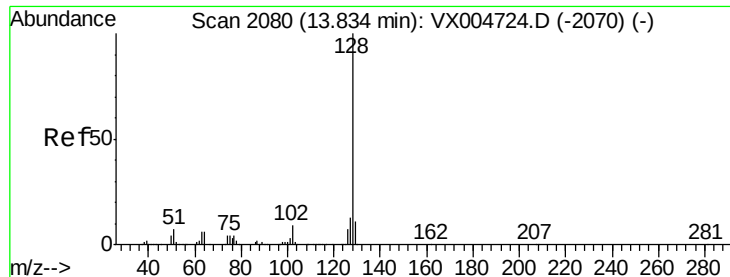
MMDadoda
 10/5/2018 3:24:52 PM



#94
 Hexachlorobutadiene
 Concen: 17.545 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX005021.D
 Acq: 04 Oct 2018 16:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	47076		
223	63.8	31.3	93.8	
227	65.4	31.9	95.5	





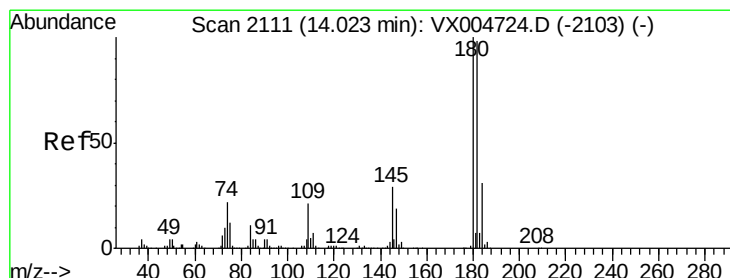
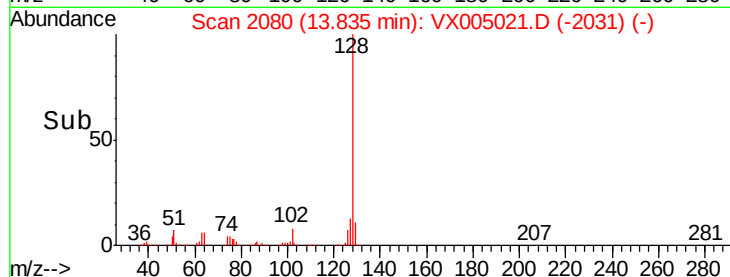
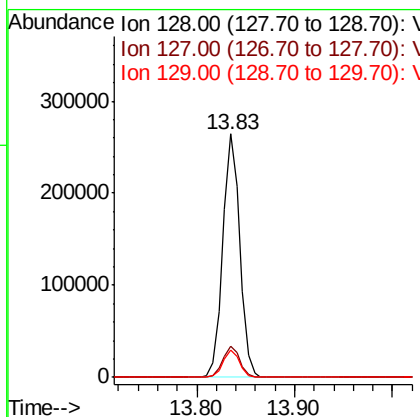
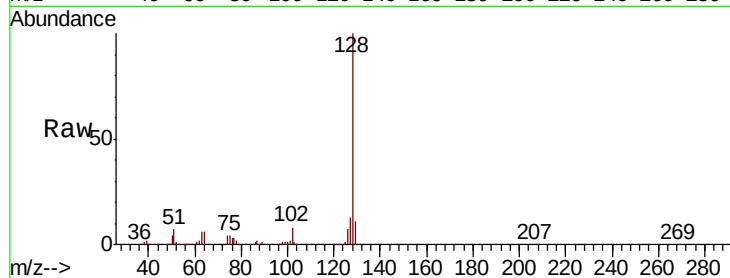
#95
Naphthalene
Concen: 18.936 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005021.D
Acq: 04 Oct 2018 16:28

Instrument :
MSVOA_X
ClientSampleId :
VX1004WBS03

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/5/2018 3:24:52 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.221 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. 0.00 min
Lab File: VX005021.D
Acq: 04 Oct 2018 16:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.9	143.8
145	29.1	15.0	45.0

