

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX102618\
 Data File : VX005622.D
 Acq On : 26 Oct 2018 22:55
 Operator : JC/MD
 Sample : J5696-06MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DL-SW-01MS

Manual Integrations
 APPROVED

MMDadoda
 10/29/2018 12:43:41 PM

Quant Time: Oct 27 05:57:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 25 02:52:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	237099	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	332709	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	306852	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	172097	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	139145	48.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.16%	
35) Dibromofluoromethane	5.50	113	108421	48.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.26%	
50) Toluene-d8	8.71	98	400262	49.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.90%	
62) 4-Bromofluorobenzene	11.14	95	150973	49.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.78%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.20	85	146480	62.591	ug/l	100
3) Chloromethane	1.32	50	143811	48.253	ug/l	100
4) Vinyl Chloride	1.41	62	146294	49.921	ug/l	99
5) Bromomethane	1.64	94	86750	47.573	ug/l	100
6) Chloroethane	1.71	64	86016	45.946	ug/l	100
7) Trichlorofluoromethane	1.92	101	204349	50.184	ug/l	98
8) Diethyl Ether	2.18	74	81148	49.936	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	106941	45.773	ug/l	98
10) Methyl Iodide	2.51	142	125911	51.515	ug/l	97
11) Tert butyl alcohol	3.07	59	175134	224.867	ug/l	100
12) 1,1-Dichloroethene	2.37	96	103230	46.382	ug/l	94
13) Acrolein	2.29	56	82384	207.365	ug/l	99
14) Allyl chloride	2.73	41	227820	45.865	ug/l	98
15) Acrylonitrile	3.15	53	402517	230.479	ug/l	100
16) Acetone	2.45	43	355522	232.464	ug/l	97
17) Carbon Disulfide	2.57	76	315079	46.441	ug/l	95
18) Methyl Acetate	2.78	43	178507	47.165	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	376586	47.434	ug/l	98
20) Methylene Chloride	2.86	84	123330	48.149	ug/l #	79
21) trans-1,2-Dichloroethene	3.17	96	114745	47.219	ug/l	97
22) Diisopropyl ether	3.87	45	411475	47.437	ug/l #	95
23) Vinyl Acetate	3.82	43	1682264	220.209	ug/l	98
24) 1,1-Dichloroethane	3.70	63	224173	47.535	ug/l	98
25) 2-Butanone	4.70	43	543260	233.268	ug/l	100
26) 2,2-Dichloropropane	4.59	77	138443	38.024	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	121024	46.196	ug/l	99
28) Bromochloromethane	5.01	49	105158	46.103	ug/l	95
29) Tetrahydrofuran	5.15	42	371512	245.125	ug/l	99
30) Chloroform	5.22	83	221447	50.199	ug/l	99
31) Cyclohexane	5.58	56	195339	50.062	ug/l #	89
32) 1,1,1-Trichloroethane	5.49	97	180154	46.271	ug/l	100
36) 1,1-Dichloropropene	5.80	75	154470	47.841	ug/l	98
37) Ethyl Acetate	4.85	43	184231	44.714	ug/l	98
38) Carbon Tetrachloride	5.79	117	161945	47.621	ug/l	90

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX102618\
 Data File : VX005622.D
 Acq On : 26 Oct 2018 22:55
 Operator : JC/MD
 Sample : J5696-06MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DL-SW-01MS

Manual Integrations
 APPROVED

MMDadoda
 10/29/2018 12:43:41 PM

Quant Time: Oct 27 05:57:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 25 02:52:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	171688	48.155	ug/l	99
40) Benzene	6.14	78	461116	49.820	ug/l	99
41) Methacrylonitrile	5.06	41	110495	48.144	ug/l	97
42) 1,2-Dichloroethane	6.20	62	163507	46.502	ug/l	99
43) Isopropyl Acetate	6.46	43	293786	47.583	ug/l	98
44) Trichloroethene	7.21	130	121612	48.230	ug/l	98
45) 1,2-Dichloropropane	7.52	63	120217	48.311	ug/l	99
46) Dibromomethane	7.66	93	76833	47.806	ug/l	99
47) Bromodichloromethane	7.90	83	150897	48.375	ug/l	97
48) Methyl methacrylate	7.77	41	154486	51.361	ug/l	99
49) 1,4-Dioxane	7.76	88	57477	874.424	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1021231	246.113	ug/l	99
52) Toluene	8.79	92	277132	49.267	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	165814	49.185	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	176420	48.606	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	113904	48.028	ug/l	98
56) Ethyl methacrylate	9.18	69	184018	52.020	ug/l	99
57) 1,3-Dichloropropane	9.37	76	192943	48.082	ug/l	99
59) 2-Hexanone	9.49	43	811303	247.981	ug/l	99
60) Dibromochloromethane	9.59	129	122219	49.394	ug/l	100
61) 1,2-Dibromoethane	9.67	107	119106	48.545	ug/l	100
64) Tetrachloroethene	9.34	164	115164	45.210	ug/l	98
65) Chlorobenzene	10.14	112	313344	47.954	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	115988	48.682	ug/l	100
67) Ethyl Benzene	10.26	91	540705	50.295	ug/l	99
68) m/p-Xylenes	10.36	106	415997	99.737	ug/l	100
69) o-Xylene	10.70	106	200816	51.175	ug/l	99
70) Styrene	10.71	104	336404	51.210	ug/l	100
71) Bromoform	10.86	173	102938	48.417	ug/l	99
73) Isopropylbenzene	11.02	105	548750	52.163	ug/l	99
74) N-amyl acetate	10.90	43	253674	48.665	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	190431	49.066	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	174781m	47.933	ug/l	
77) Bromobenzene	11.26	156	146992	50.137	ug/l	98
78) n-propylbenzene	11.36	91	624223	51.892	ug/l	100
79) 2-Chlorotoluene	11.42	91	373906	50.132	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	467529	51.951	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	52996	47.490	ug/l	97
82) 4-Chlorotoluene	11.51	91	442360	50.298	ug/l	99
83) tert-Butylbenzene	11.77	119	469983	52.392	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	485223	53.200	ug/l	100
85) sec-Butylbenzene	11.94	105	556270	51.968	ug/l	100
86) p-Isopropyltoluene	12.07	119	501515	52.411	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	270610	49.084	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	274159	47.640	ug/l	100
89) n-Butylbenzene	12.39	91	438062	50.710	ug/l	100
90) Hexachloroethane	12.60	117	84345	51.107	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	273118	48.964	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	46153	49.181	ug/l	96
93) 1,2,4-Trichlorobenzene	13.65	180	203673	50.372	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102618\
Data File : VX005622.D
Acq On : 26 Oct 2018 22:55
Operator : JC/MD
Sample : J5696-06MS
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DL-SW-01MS

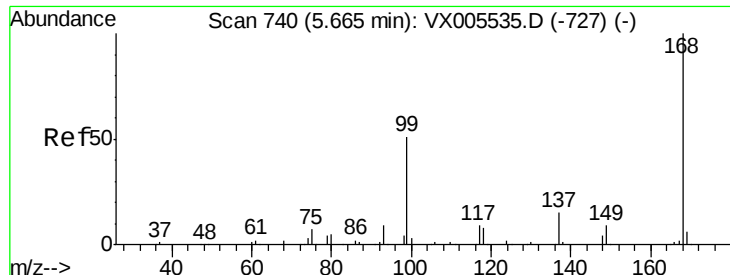
Manual Integrations
APPROVED

MMDadoda
10/29/2018 12:43:41 PM

Quant Time: Oct 27 05:57:19 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 25 02:52:45 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	97240	46.407	ug/l	99
95) Naphthalene	13.83	128	642080	54.630	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	209684	51.158	ug/l	99

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



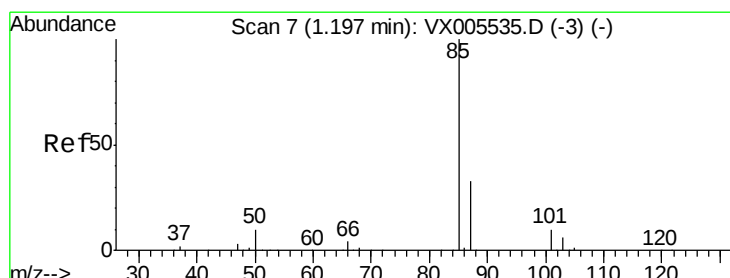
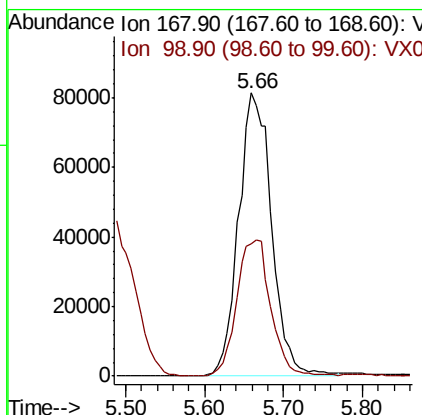
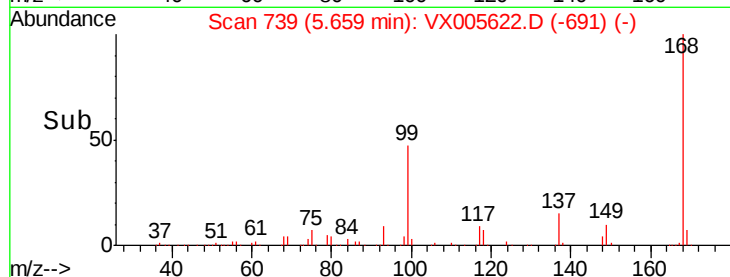
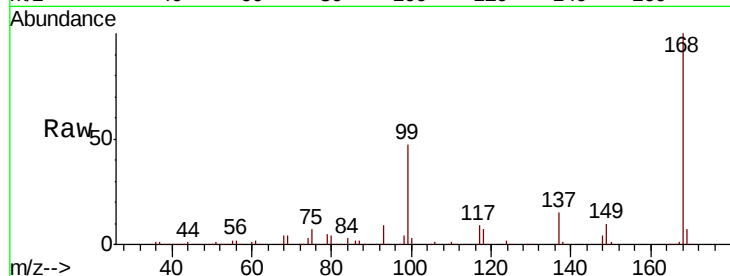
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.01 min
Lab File: VX005622.D
Acq: 26 Oct 2018 22:55

Instrument :
MSVOA_X
ClientSampleId :
DL-SW-01MS

Tot Ion	Ratio	Lower	Upper
168	100		
99	46.6	40.7	61.1

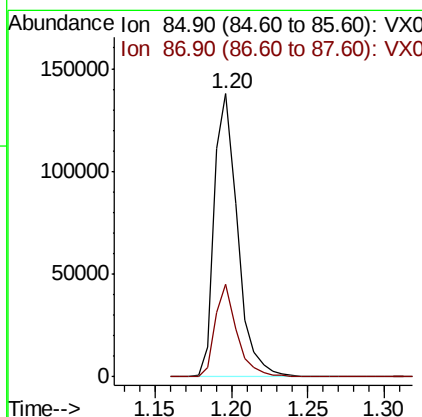
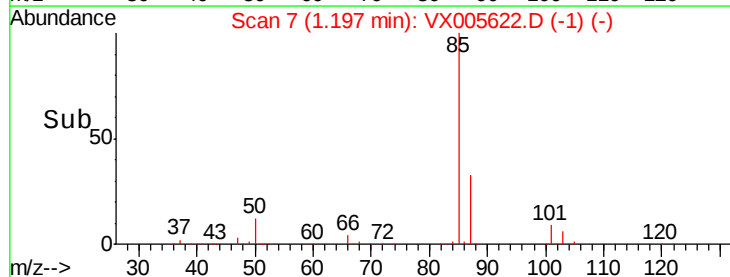
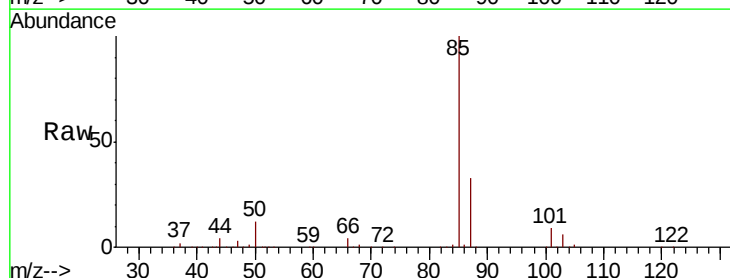
Manual Integrations
APPROVED

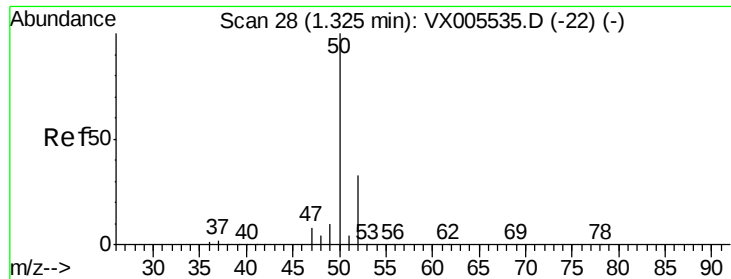
MMDadoda
10/29/2018 12:43:41 PM



#2
Dichlorodifluoromethane
Concen: 62.591 ug/l
RT: 1.20 min Scan# 7
Delta R.T. -0.00 min
Lab File: VX005622.D
Acq: 26 Oct 2018 22:55

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.7	16.3	48.9





#3

Chloromethane

Concen: 48.253 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005622.D

Acq: 26 Oct 2018 22:55

Instrument :

MSVOA_X

ClientSampleId :

DL-SW-01MS

Tot Ion: 50 Resp: 143811

Ion Ratio Lower Upper

50 100

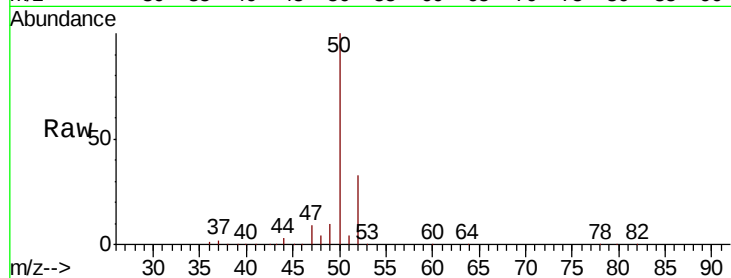
52 32.8 26.2 39.2

Manual Integrations

APPROVED

MMDadoda

10/29/2018 12:43:41 PM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

150000

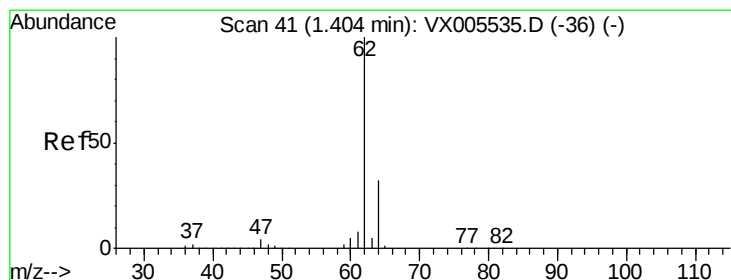
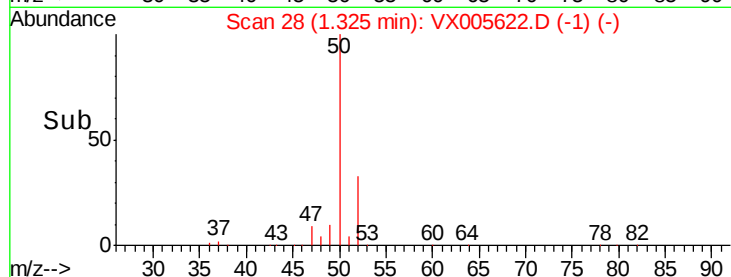
1.32

100000

50000

0

Time--> 1.25 1.30 1.35 1.40



#4

Vinyl Chloride

Concen: 49.921 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX005622.D

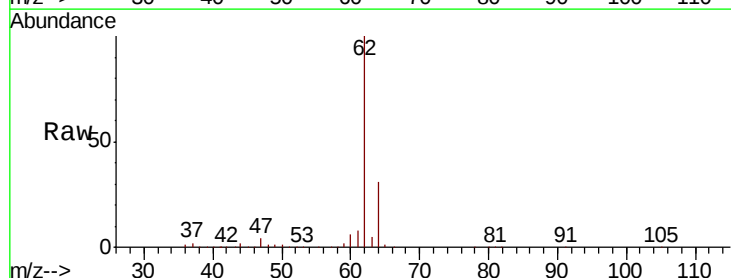
Acq: 26 Oct 2018 22:55

Tgt Ion: 62 Resp: 146294

Ion Ratio Lower Upper

62 100

64 31.3 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

150000

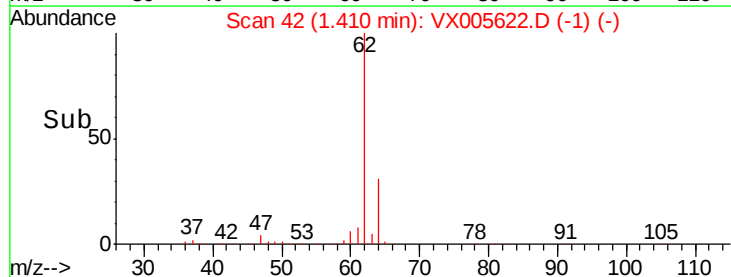
1.41

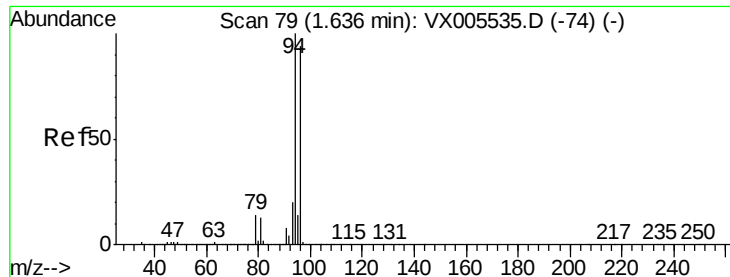
100000

50000

0

Time--> 1.35 1.40 1.45 1.50





#5

Bromomethane

Concen: 47.573 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005622.D

Acq: 26 Oct 2018 22:55

Instrument :

MSVOA_X

ClientSampleId :

DL-SW-01MS

Tot Ion: 94 Resp: 86750

Ion Ratio Lower Upper

94 100

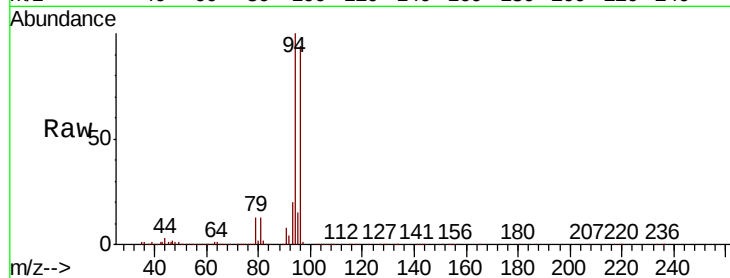
96 94.3 75.2 112.8

Manual Integrations

APPROVED

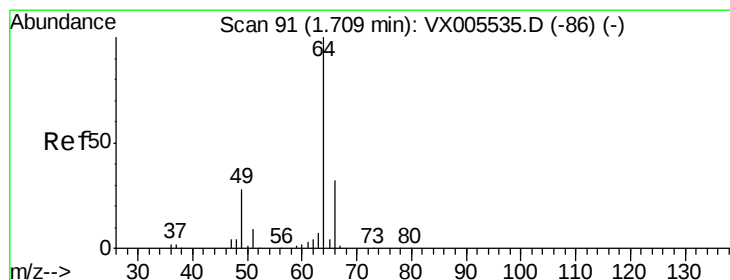
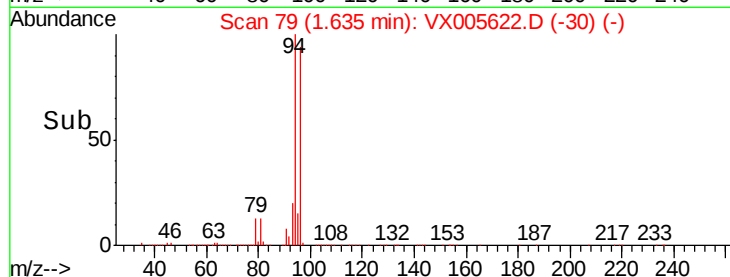
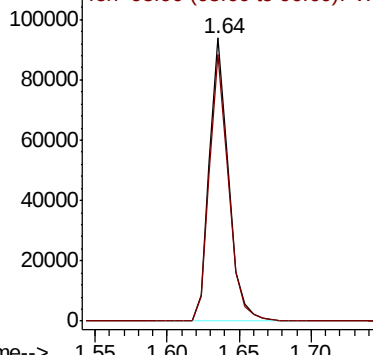
MMDadoda

10/29/2018 12:43:41 PM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 45.946 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.01 min

Lab File: VX005622.D

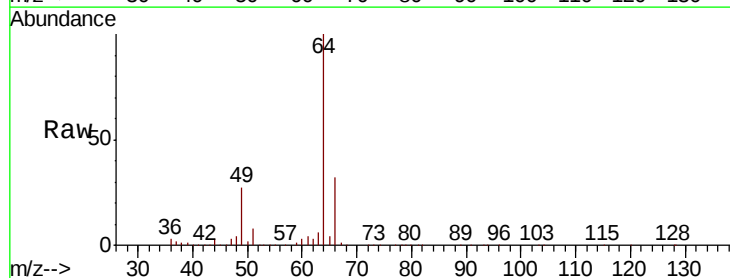
Acq: 26 Oct 2018 22:55

Tgt Ion: 64 Resp: 86016

Ion Ratio Lower Upper

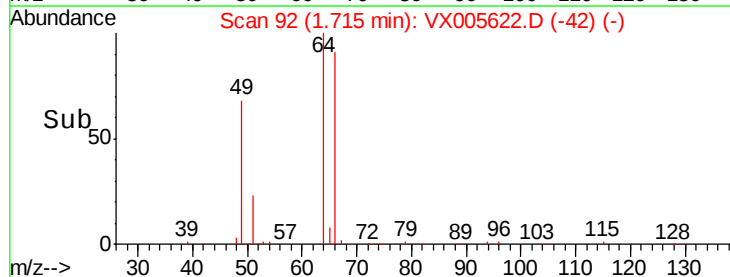
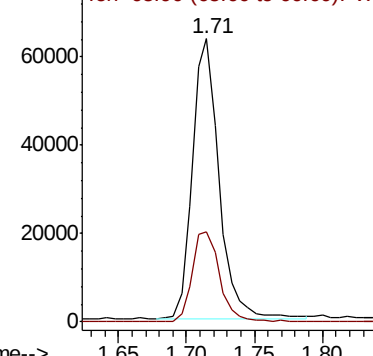
64 100

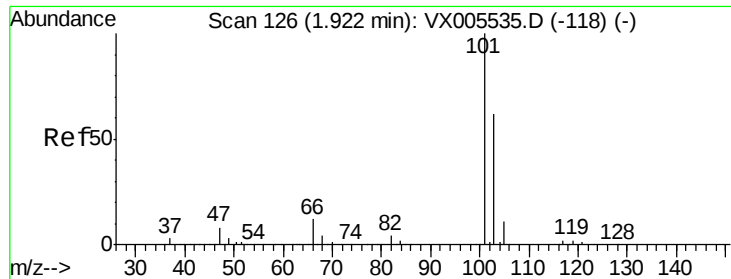
66 32.2 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

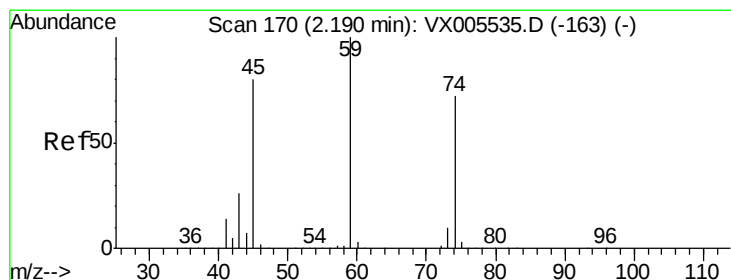
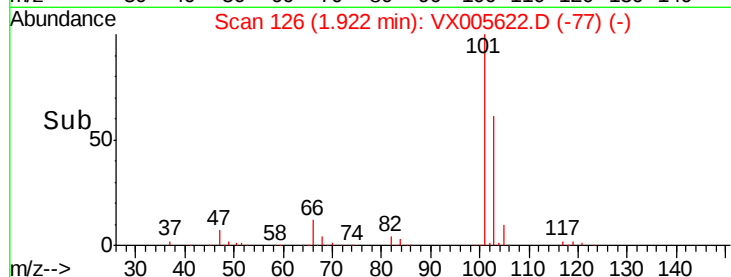
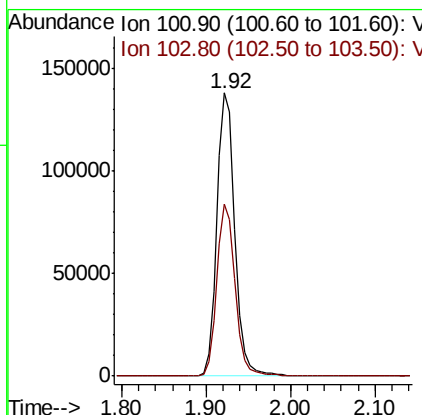
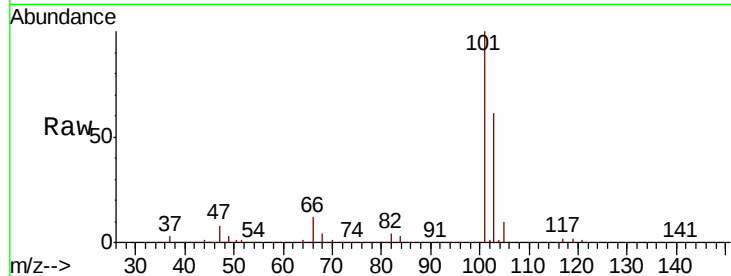
Trichlorofluoromethane
 Concen: 50.184 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.00 min
 Lab File: VX005622.D
 Acq: 26 Oct 2018 22:55

Instrument :
 MSVOA_X
 ClientSampleId :
 DL-SW-01MS

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.9	50.0	75.0

Manual Integrations
 APPROVED

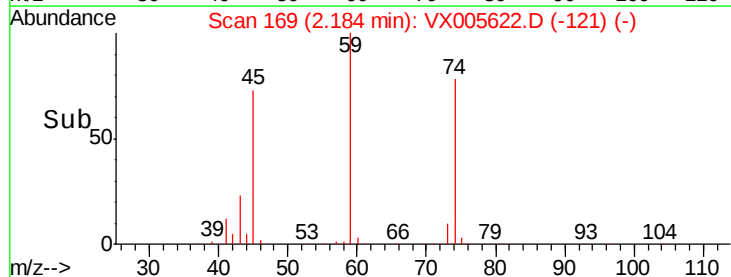
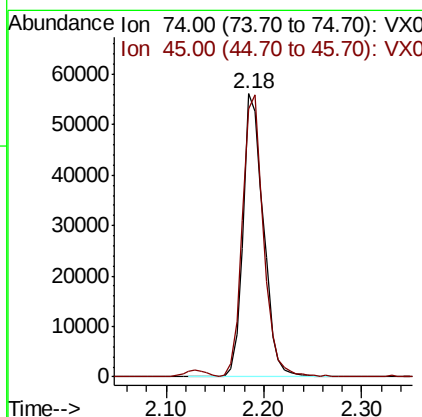
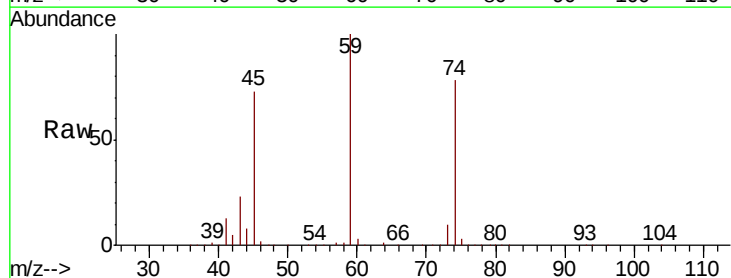
MMDadoda
 10/29/2018 12:43:41 PM



#8

Diethyl Ether
 Concen: 49.936 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. -0.01 min
 Lab File: VX005622.D
 Acq: 26 Oct 2018 22:55

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.0	54.1	162.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.773 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX005622.D

Acq: 26 Oct 2018 22:55

Instrument :

MSVOA_X

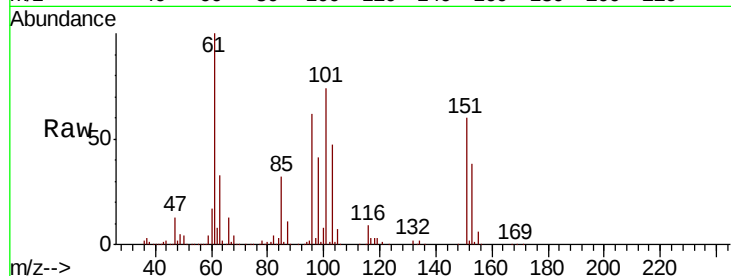
ClientSampleId :

DL-SW-01MS

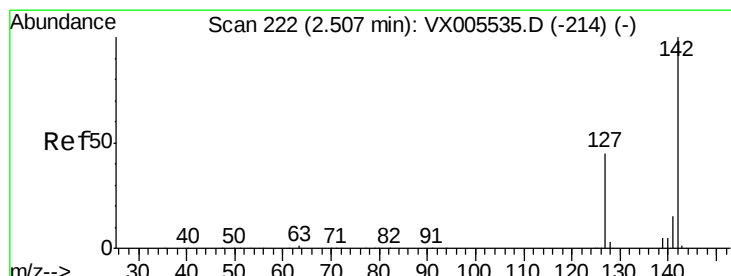
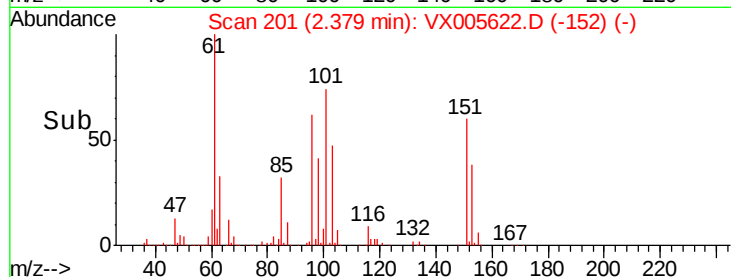
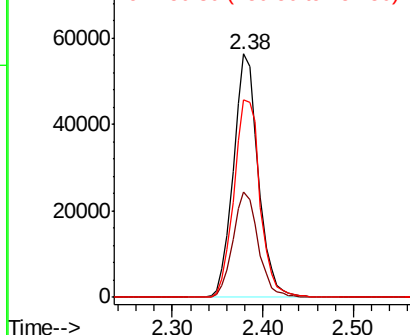
Tot Ion:	101	Resp:	106941
Ion Ratio	Lower	Upper	
101	100		
85	44.0	35.0	52.4
151	85.6	66.2	99.2

Manual Integrations
APPROVED

MMDadoda
10/29/2018 12:43:41 PM



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.515 ug/l

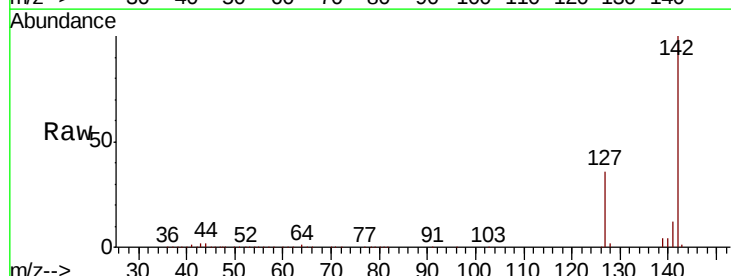
RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

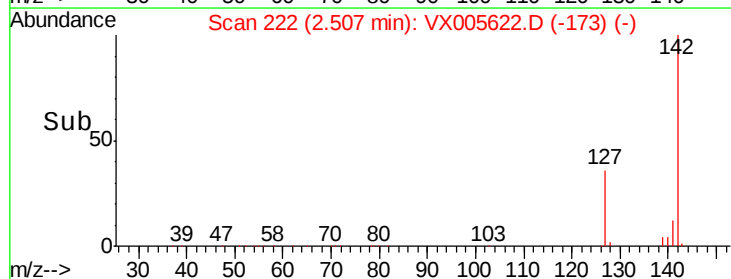
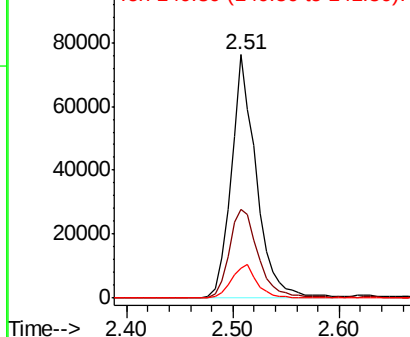
Lab File: VX005622.D

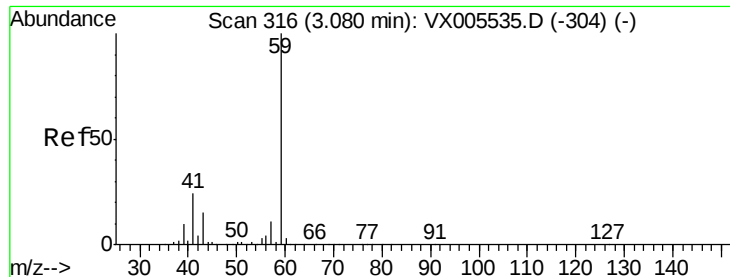
Acq: 26 Oct 2018 22:55

Tgt Ion:	142	Resp:	125911
Ion Ratio	Lower	Upper	
142	100		
127	42.3	36.0	54.0
141	14.4	11.7	17.5



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

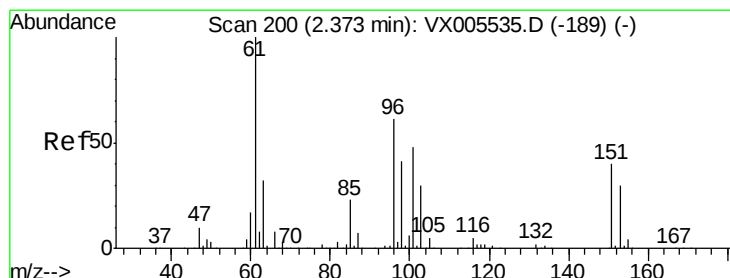
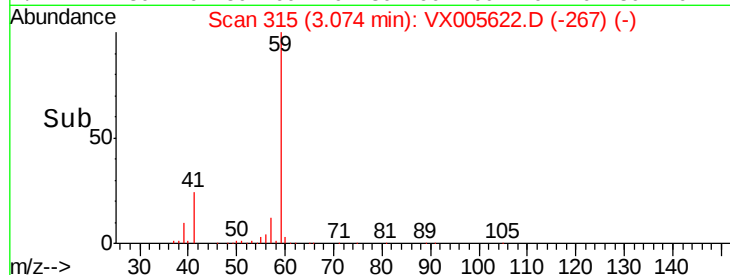
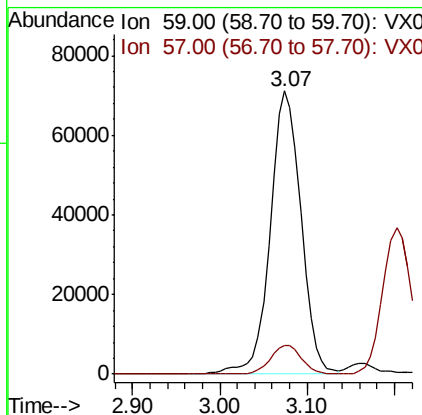
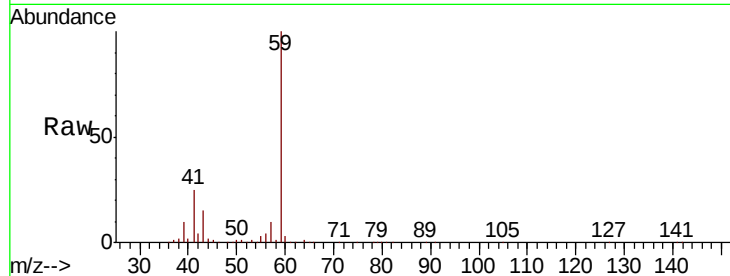
Tert butyl alcohol
Concen: 224.867 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX005622.D
Acq: 26 Oct 2018 22:55

Instrument :
MSVOA_X
ClientSampleId :
DL-SW-01MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.5	12.7

Manual Integrations
APPROVED

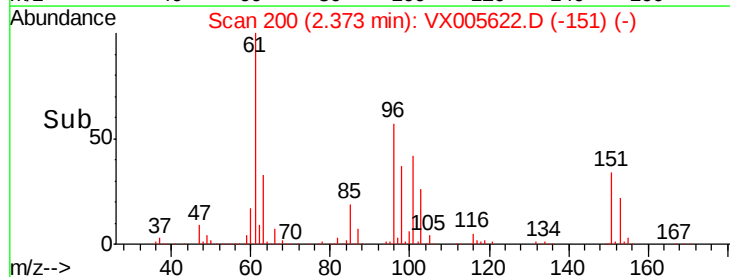
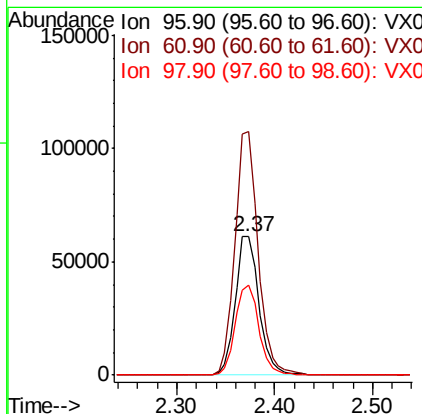
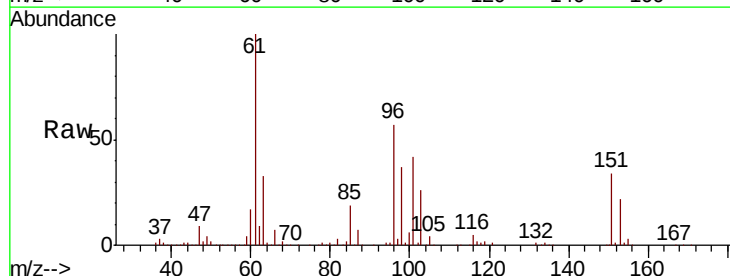
MMDadoda
10/29/2018 12:43:41 PM

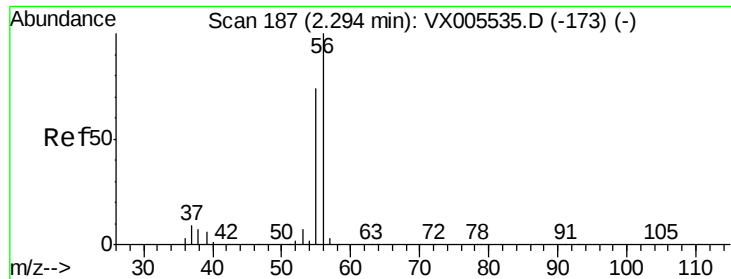


#12

1,1-Dichloroethene
Concen: 46.382 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX005622.D
Acq: 26 Oct 2018 22:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	175.8	131.8	197.8
98	65.2	53.4	80.2





#13

Acrolein

Concen: 207.365 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX005622.D

Acq: 26 Oct 2018 22:55

Instrument :

MSVOA_X

ClientSampleId :

DL-SW-01MS

Tot Ion: 56 Resp: 82384

Ion Ratio Lower Upper

56 100

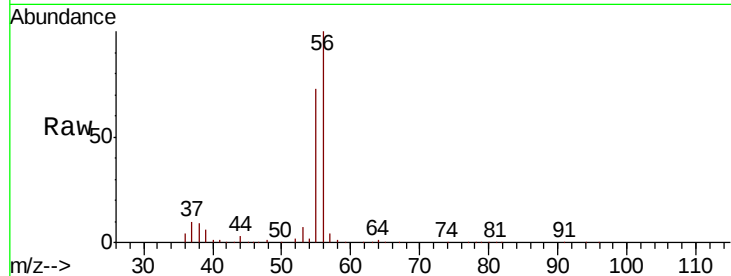
55 72.0 57.3 85.9

Manual Integrations

APPROVED

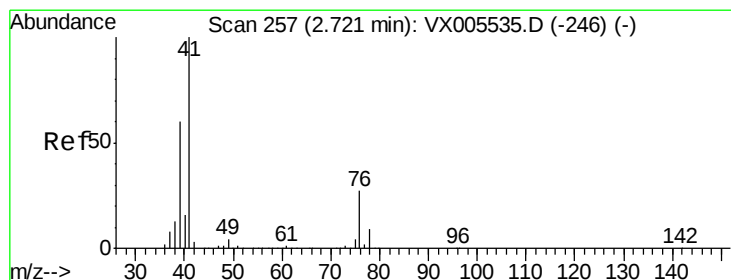
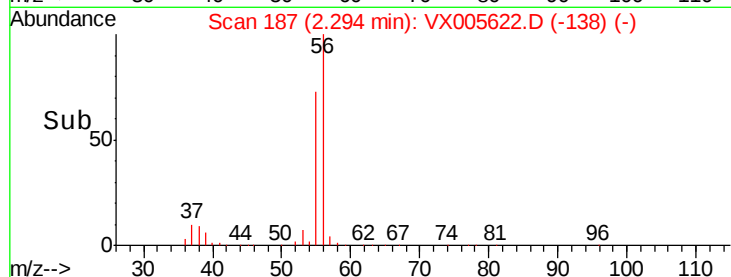
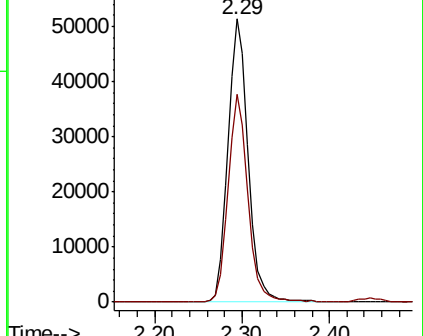
MMDadoda

10/29/2018 12:43:41 PM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 45.865 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX005622.D

Acq: 26 Oct 2018 22:55

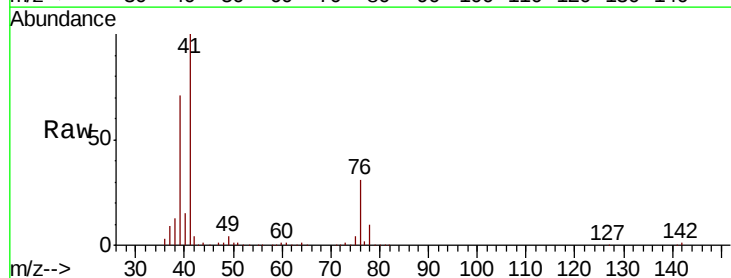
Tgt Ion: 41 Resp: 227820

Ion Ratio Lower Upper

41 100

39 61.1 48.2 72.4

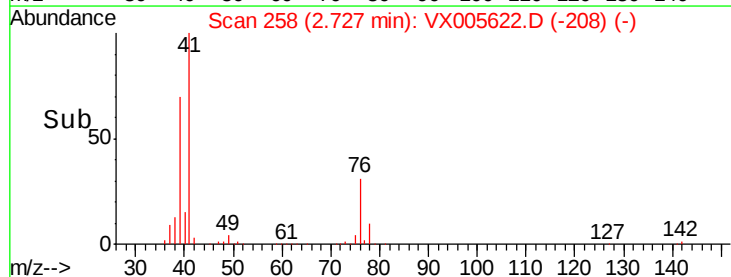
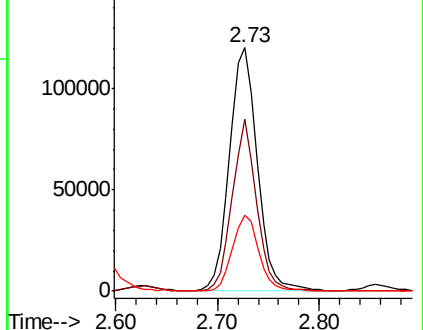
76 29.2 21.9 32.9

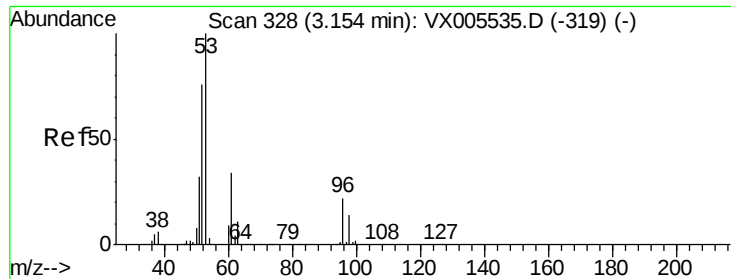


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 230.479 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX005622.D

Acq: 26 Oct 2018 22:55

Instrument :

MSVOA_X

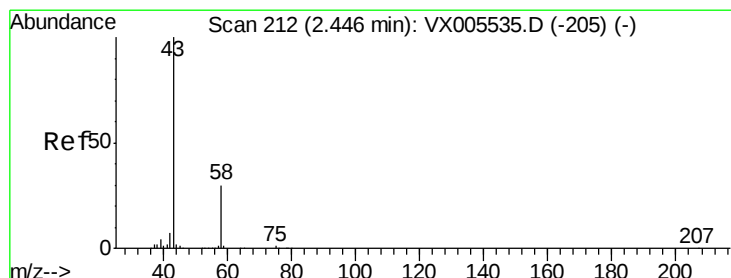
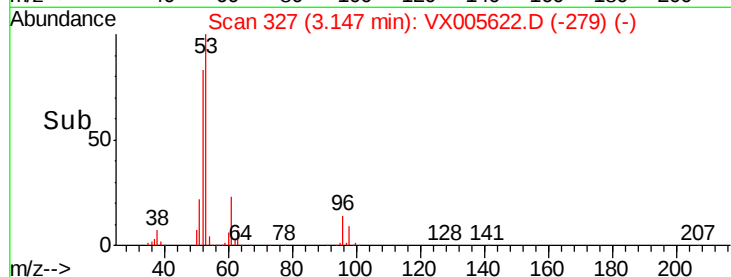
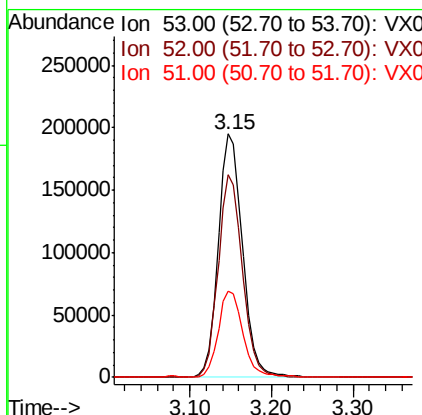
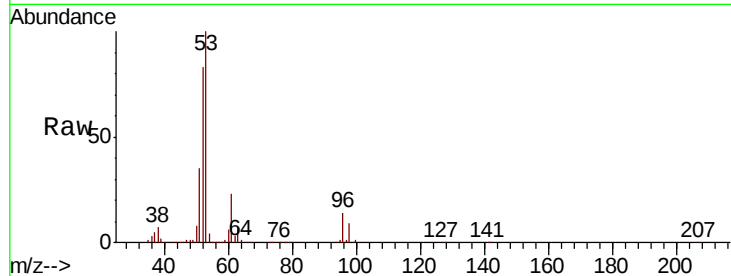
ClientSampleId :

DL-SW-01MS

Tot Ion:	53	Resp:	402517
Ion Ratio		Lower	Upper
53	100		
52	83.1	66.6	99.8
51	36.1	28.4	42.6

Manual Integrations
APPROVED

MMDadoda
10/29/2018 12:43:41 PM



#16

Acetone

Concen: 232.464 ug/l

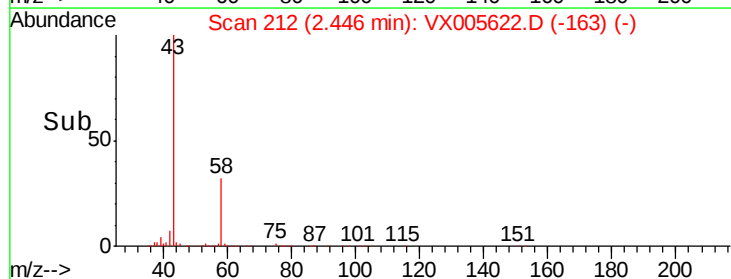
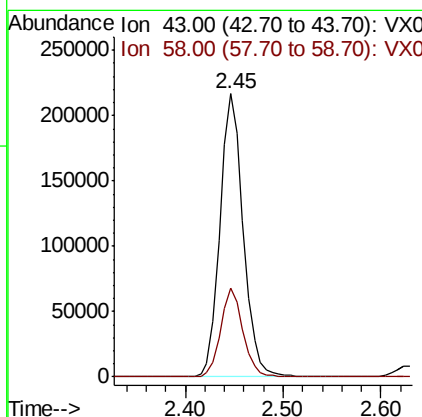
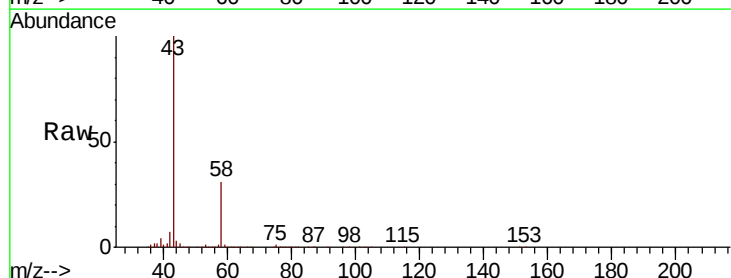
RT: 2.45 min Scan# 212

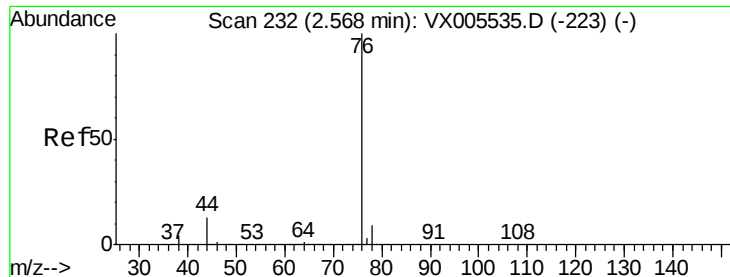
Delta R.T. -0.00 min

Lab File: VX005622.D

Acq: 26 Oct 2018 22:55

Tgt Ion:	43	Resp:	355522
Ion Ratio		Lower	Upper
43	100		
58	31.5	23.8	35.6





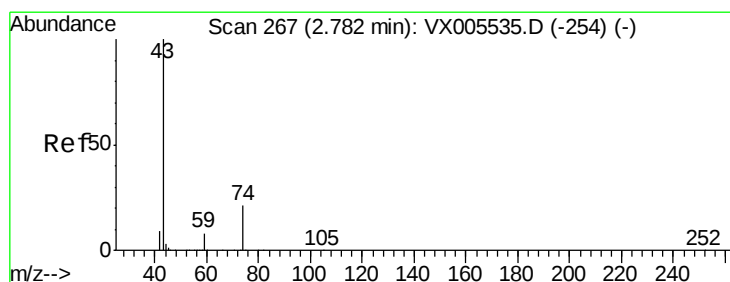
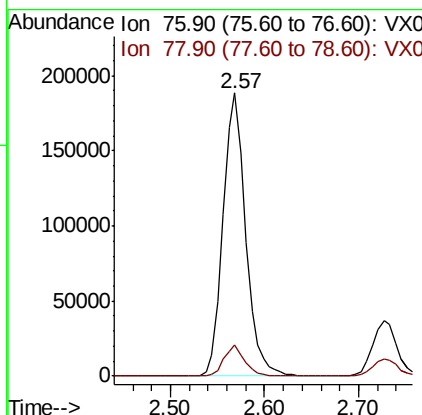
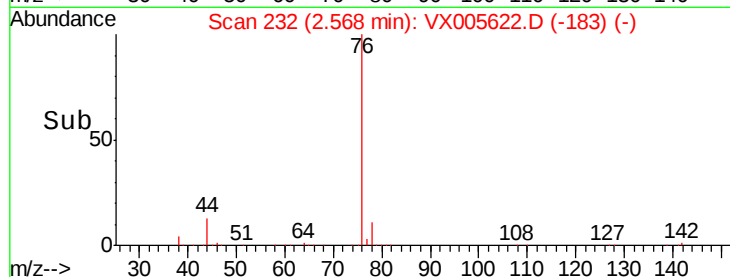
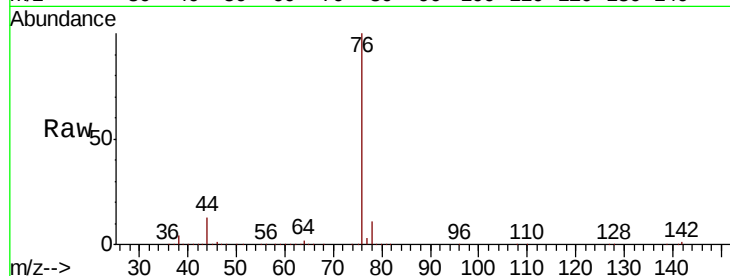
#17
Carbon Disulfide
Concen: 46.441 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX005622.D
Acq: 26 Oct 2018 22:55

Instrument :
MSVOA_X
ClientSampleId :
DL-SW-01MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.8	7.3	10.9

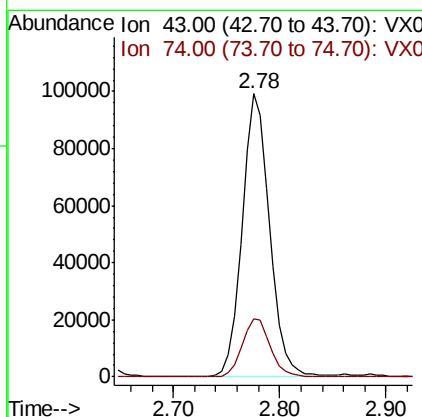
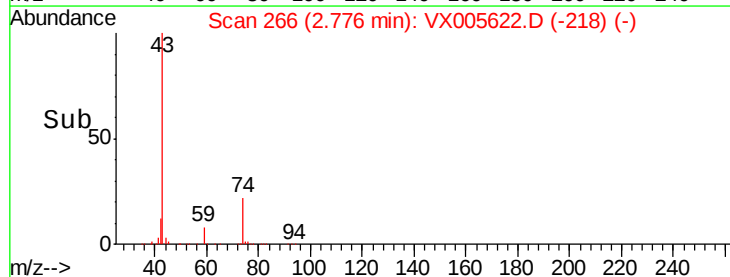
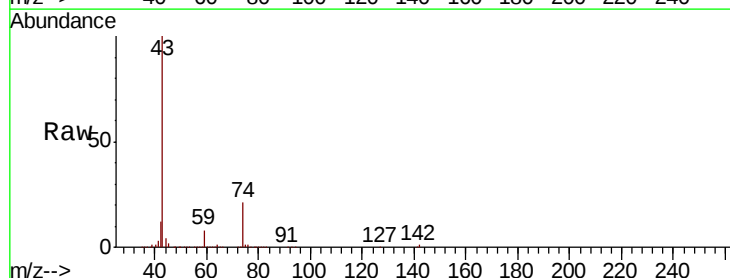
Manual Integrations
APPROVED

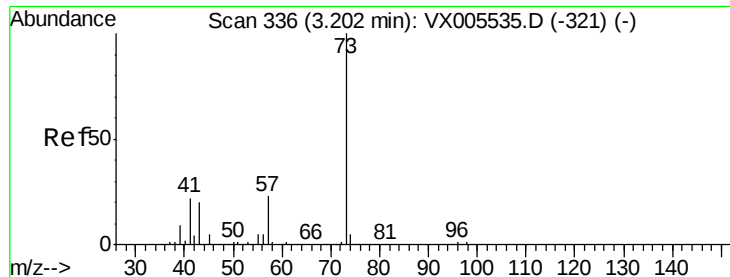
MMDadoda
10/29/2018 12:43:41 PM



#18
Methyl Acetate
Concen: 47.165 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005622.D
Acq: 26 Oct 2018 22:55

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.1	16.8	25.2





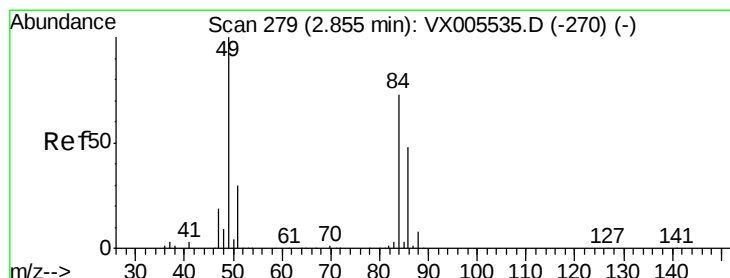
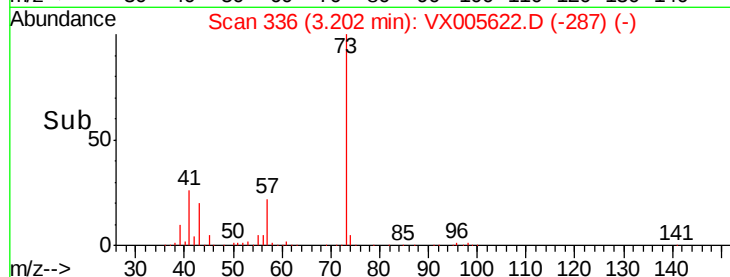
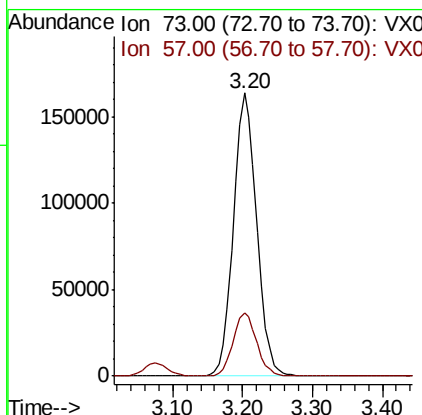
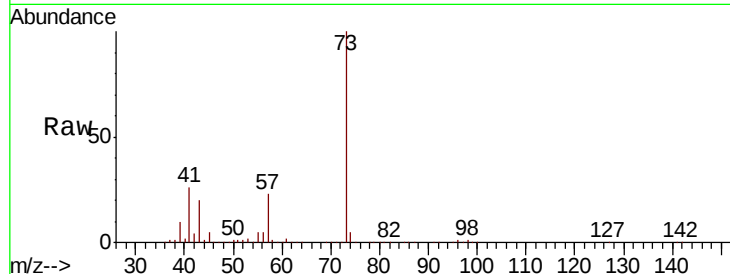
#19
Methvl tert-butvl Ether
Concen: 47.434 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX005622.D
Acq: 26 Oct 2018 22:55

Instrument :
MSVOA_X
ClientSampleId :
DL-SW-01MS

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.5	18.8	28.2

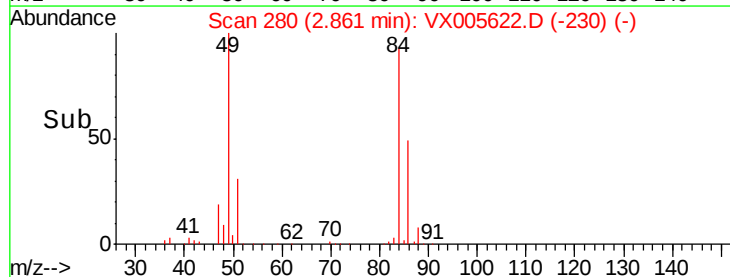
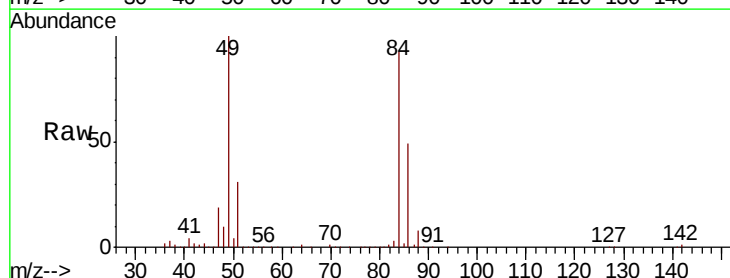
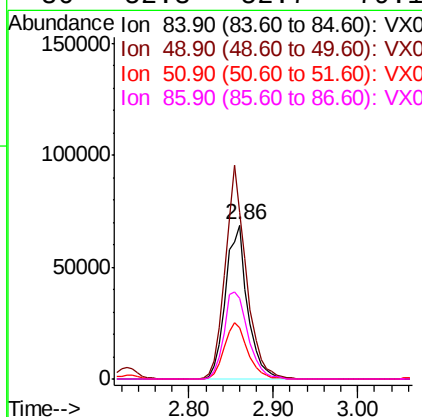
Manual Integrations
APPROVED

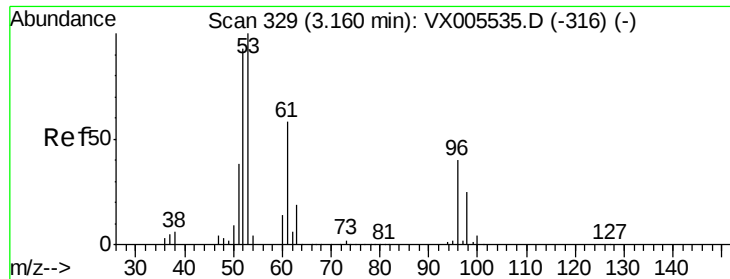
MMDadoda
10/29/2018 12:43:41 PM



#20
Methylene Chloride
Concen: 48.149 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005622.D
Acq: 26 Oct 2018 22:55

Tgt Ion	Ratio	Lower	Upper
84	100		
49	107.6	109.5	164.3#
51	33.1	33.3	49.9#
86	52.3	52.7	79.1#





#21

trans-1,2-Dichloroethene

Concen: 47.219 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX005622.D

Acq: 26 Oct 2018 22:55

Instrument :

MSVOA_X

ClientSampleId :

DL-SW-01MS

Tot Ion: 96 Resp: 114745

Ion Ratio Lower Upper

96 100

61 141.2 115.6 173.4

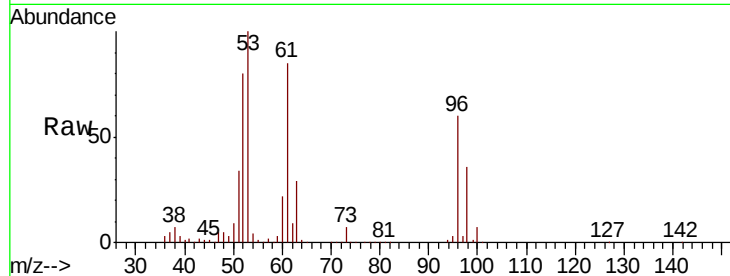
98 60.1 50.2 75.2

Manual Integrations

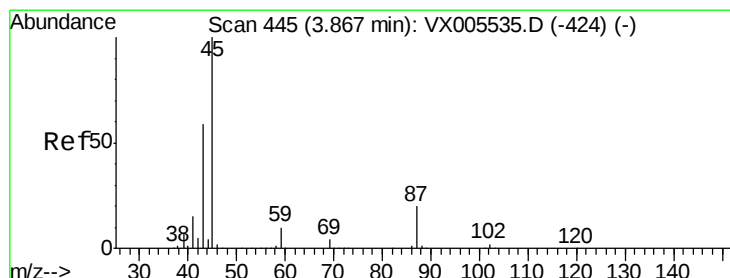
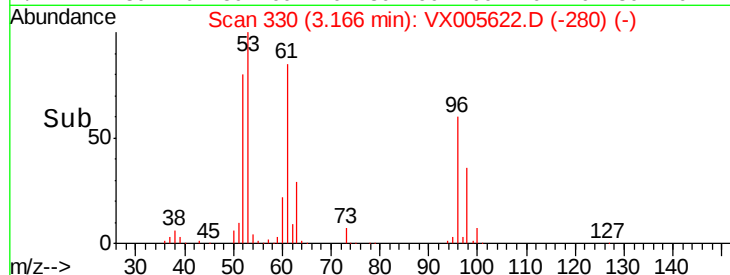
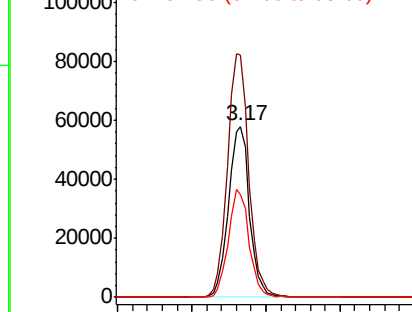
APPROVED

MMDadoda

10/29/2018 12:43:41 PM



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



#22

Diisopropyl ether

Concen: 47.437 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.00 min

Lab File: VX005622.D

Acq: 26 Oct 2018 22:55

Tgt Ion: 45 Resp: 411475

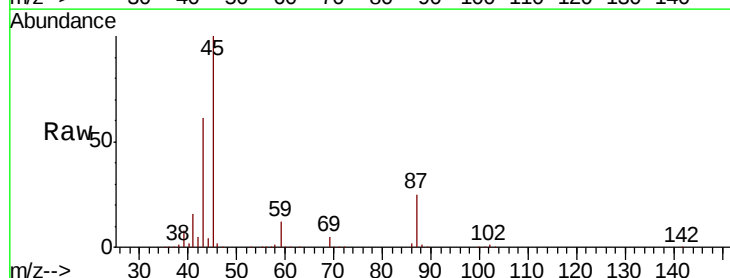
Ion Ratio Lower Upper

45 100

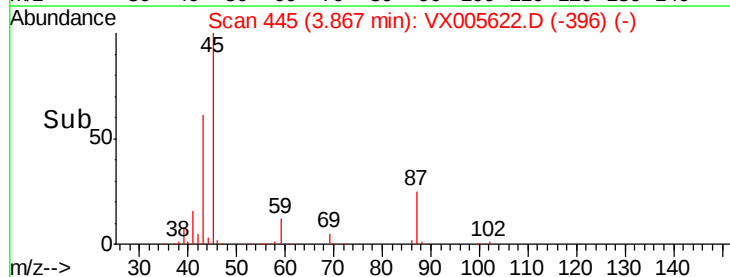
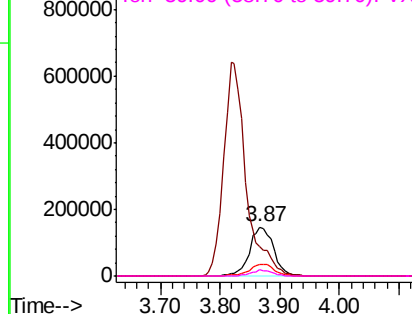
43 61.3 47.4 71.2

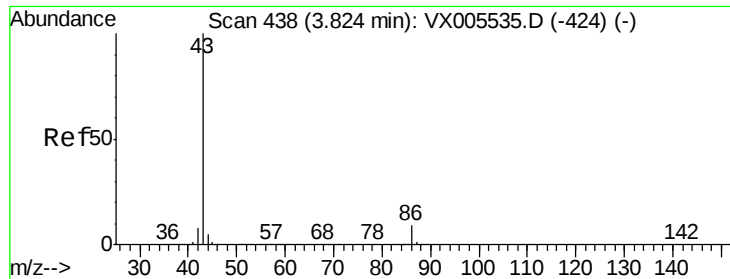
87 24.8 15.9 23.9#

59 12.4 7.7 11.5#



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





#23

Vinyl Acetate

Concen: 220.209 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.01 min

Lab File: VX005622.D

Acq: 26 Oct 2018 22:55

Instrument :

MSVOA_X

ClientSampleId :

DL-SW-01MS

Tot Ion: 43 Resp: 1682264

Ion Ratio Lower Upper

43 100

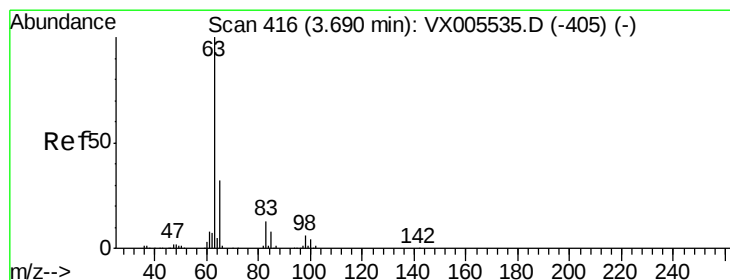
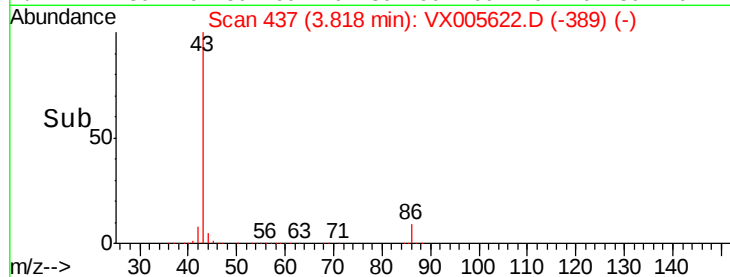
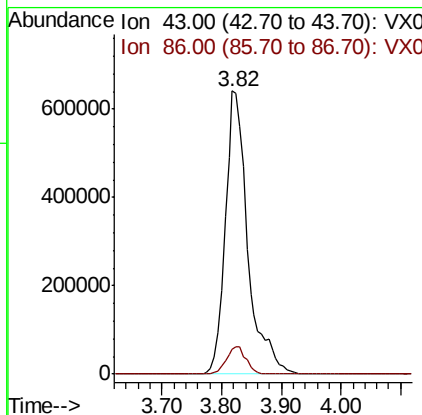
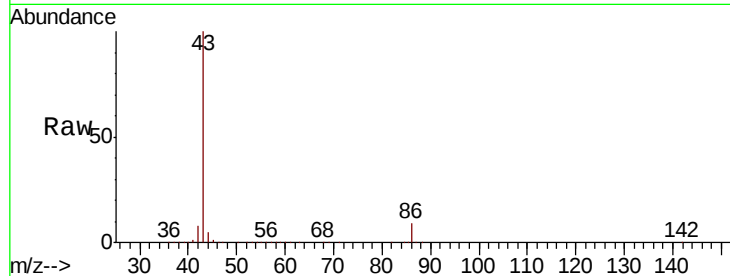
86 8.6 7.4 11.2

Manual Integrations

APPROVED

MMDadoda

10/29/2018 12:43:41 PM



#24

1,1-Dichloroethane

Concen: 47.535 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005622.D

Acq: 26 Oct 2018 22:55

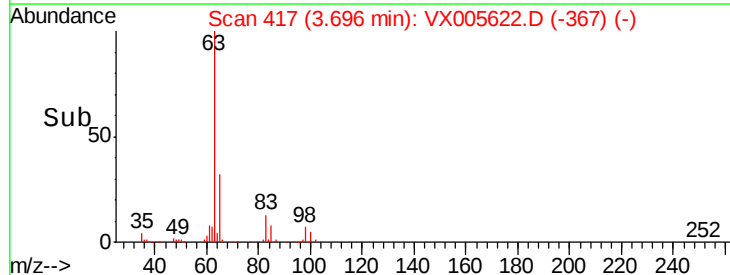
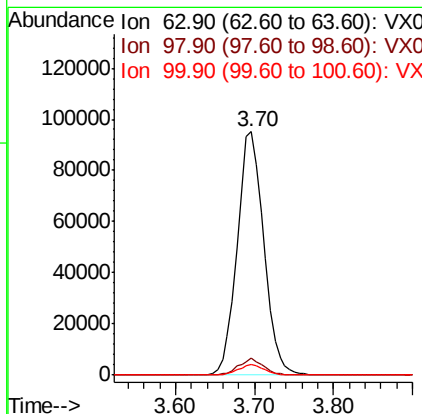
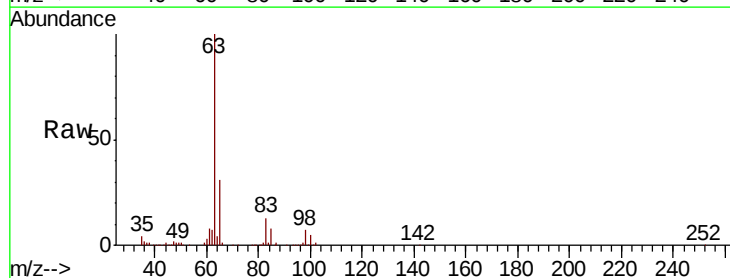
Tgt Ion: 63 Resp: 224173

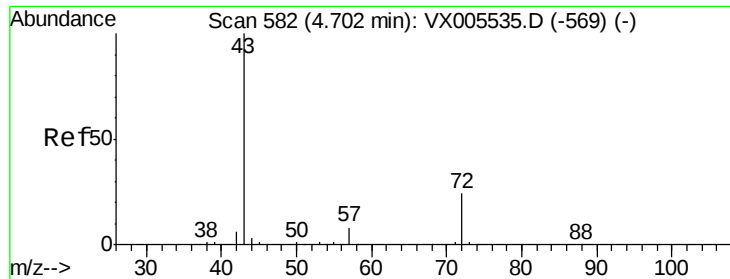
Ion Ratio Lower Upper

63 100

98 7.0 3.2 9.6

100 4.5 2.1 6.2





#25

2-Butanone

Concen: 233.268 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX005622.D

Acq: 26 Oct 2018 22:55

Instrument :

MSVOA_X

ClientSampleId :

DL-SW-01MS

Tot Ion: 43 Resp: 543260

Ion Ratio Lower Upper

43 100

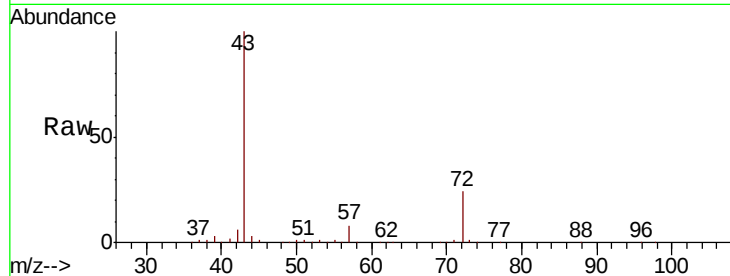
72 24.1 19.2 28.8

Manual Integrations

APPROVED

MMDadoda

10/29/2018 12:43:41 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

200000

150000

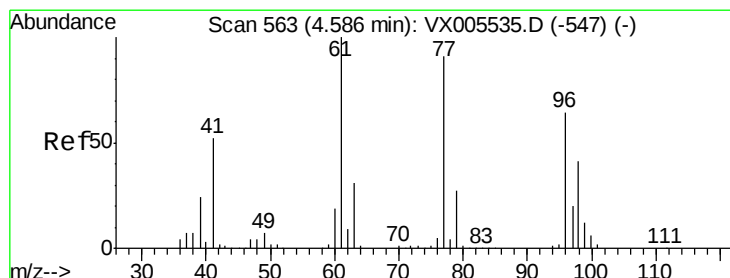
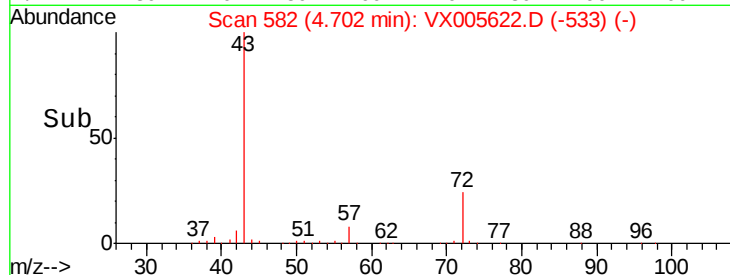
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 38.024 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX005622.D

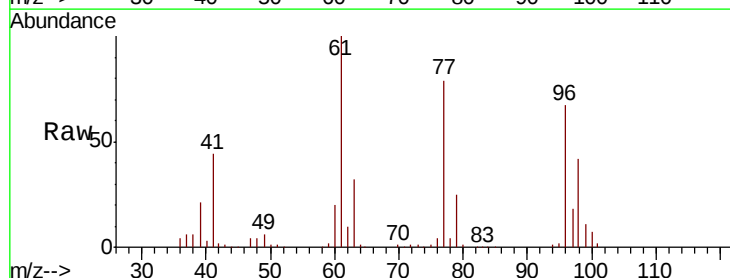
Acq: 26 Oct 2018 22:55

Tgt Ion: 77 Resp: 138443

Ion Ratio Lower Upper

77 100

97 23.6 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

50000

40000

30000

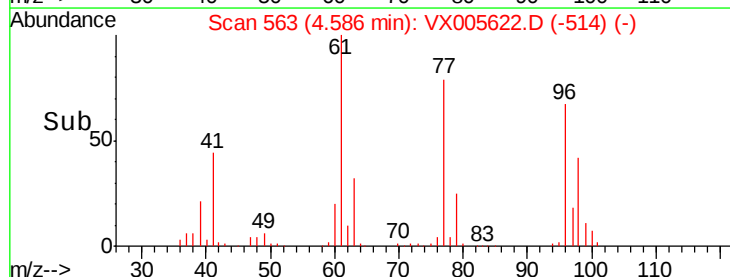
20000

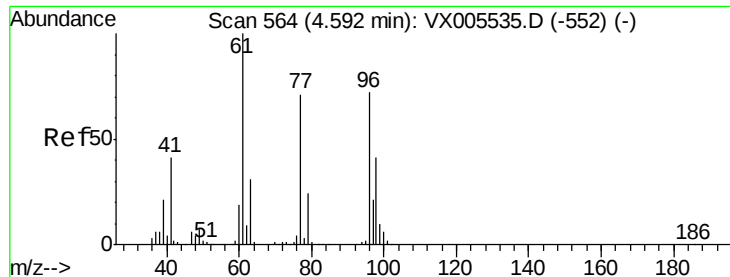
10000

0

4.40 4.50 4.60 4.70

Time-->





#27

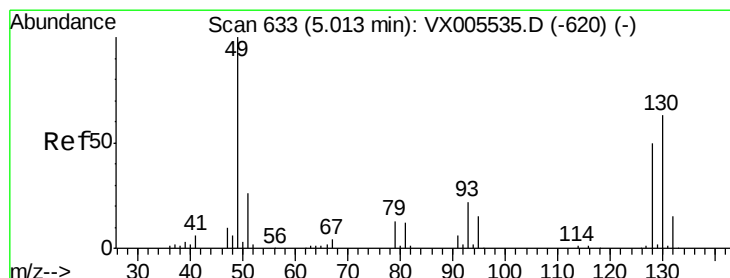
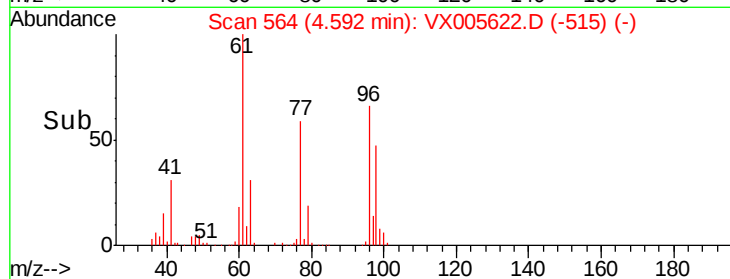
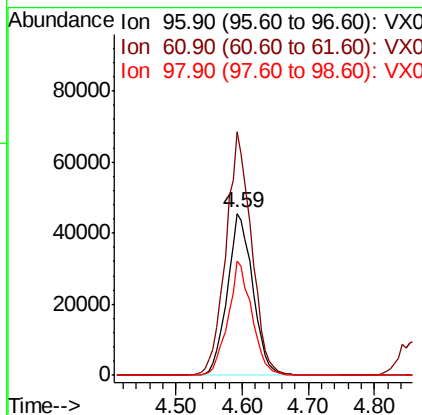
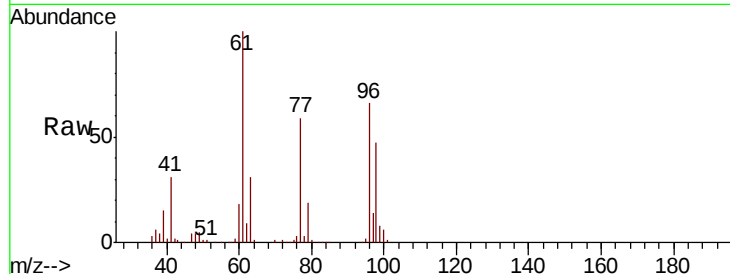
cis-1,2-Dichloroethene
Concen: 46.196 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.00 min
Lab File: VX005622.D
Acq: 26 Oct 2018 22:55

Instrument :
MSVOA_X
ClientSampleId :
DL-SW-01MS

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	151.8	0.0	304.6	
98	66.1	0.0	127.4	

Manual Integrations
APPROVED

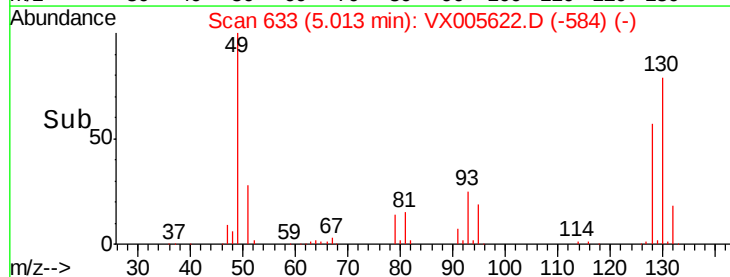
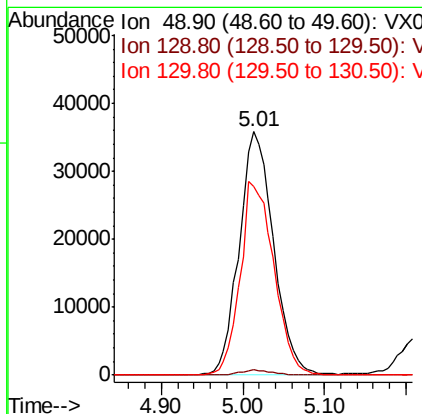
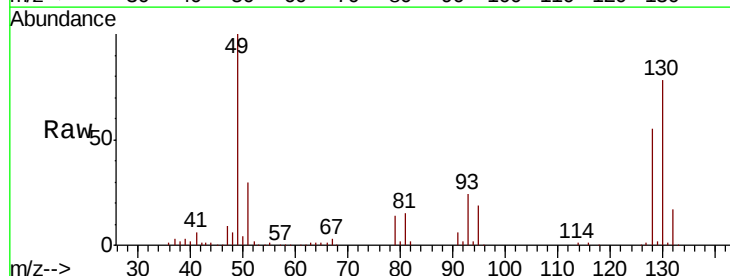
MMDadoda
10/29/2018 12:43:41 PM

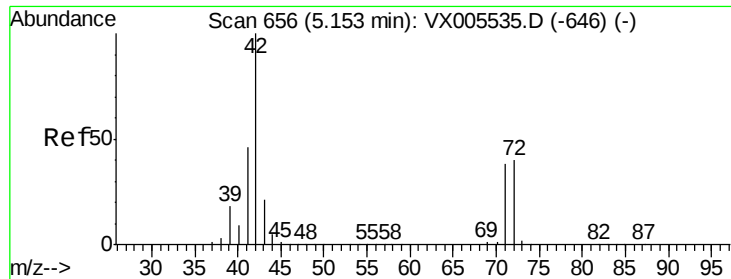


#28

Bromochloromethane
Concen: 46.103 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.00 min
Lab File: VX005622.D
Acq: 26 Oct 2018 22:55

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.9	0.0	4.0	
130	77.6	58.9	88.3	





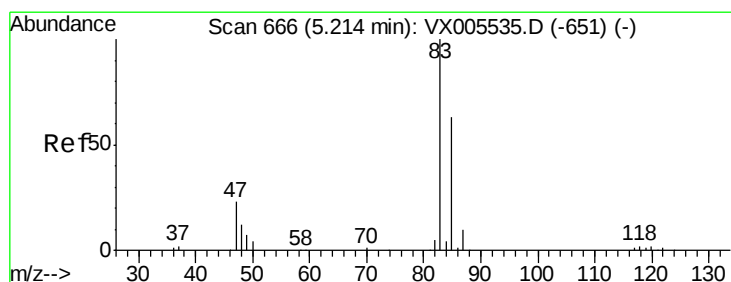
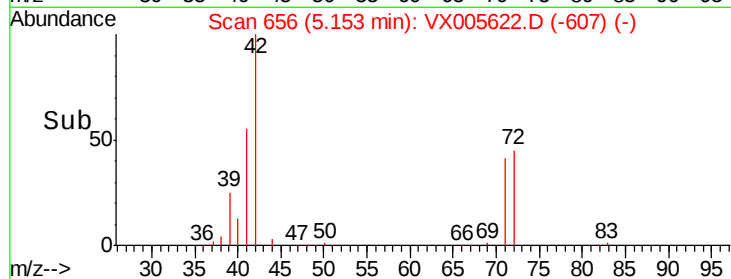
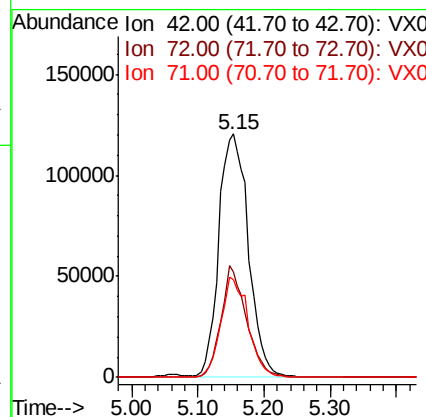
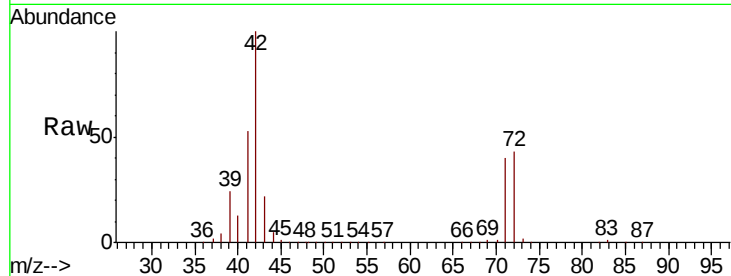
#29
Tetrahydrofuran
Concen: 245.125 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX005622.D
Acq: 26 Oct 2018 22:55

Instrument :
MSVOA_X
ClientSampleId :
DL-SW-01MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.6	32.0	48.0
71	38.1	29.8	44.8

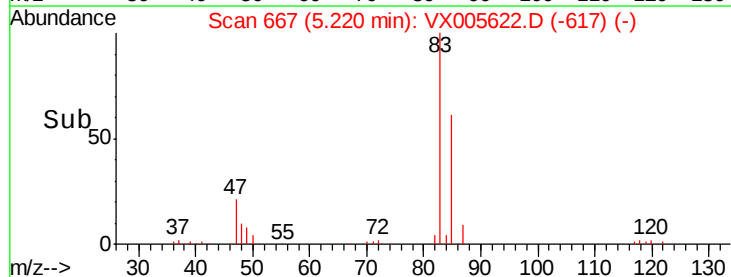
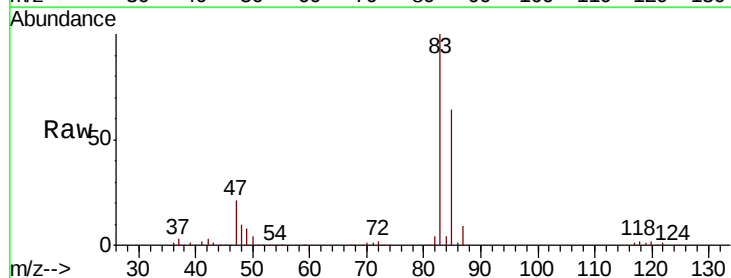
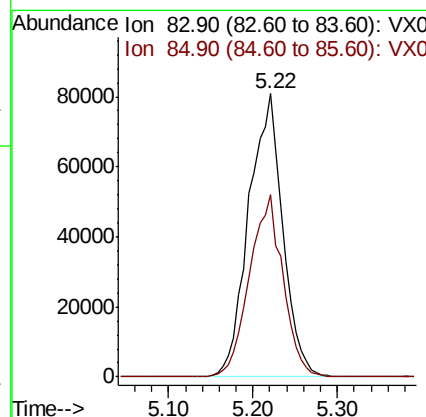
Manual Integrations
APPROVED

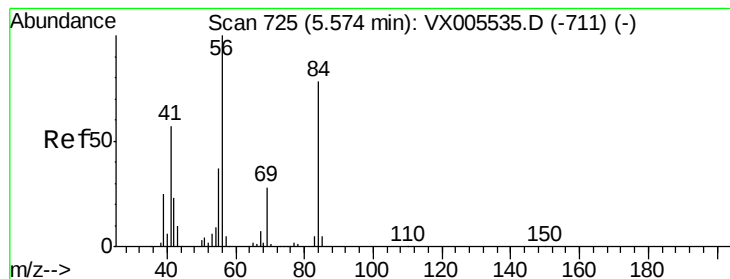
MMDadoda
10/29/2018 12:43:41 PM



#30
Chloroform
Concen: 50.199 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX005622.D
Acq: 26 Oct 2018 22:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.6	76.0





#31

Cyclohexane

Concen: 50.062 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX005622.D

Acq: 26 Oct 2018 22:55

Instrument :

MSVOA_X

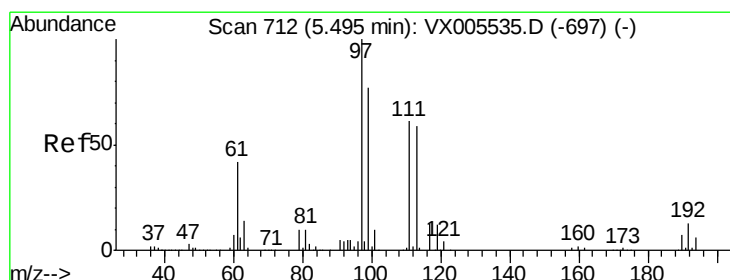
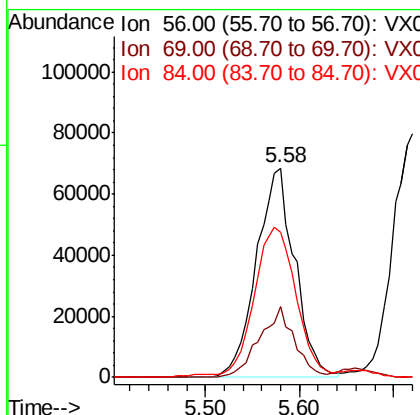
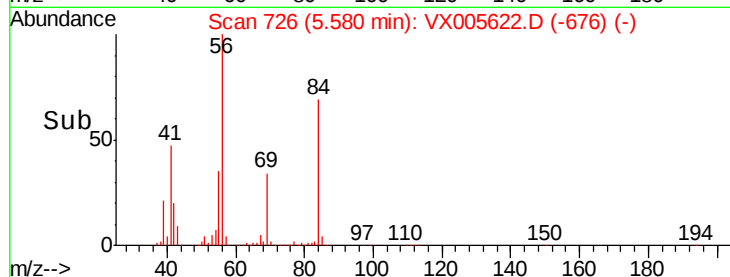
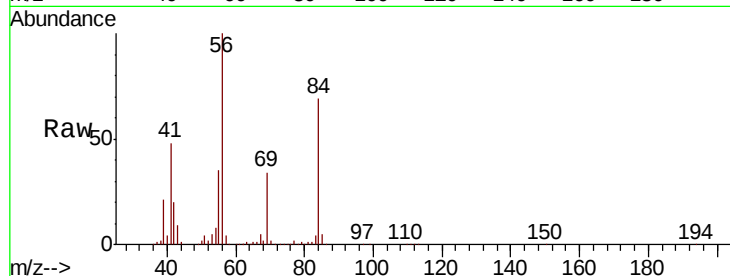
ClientSampleId :

DL-SW-01MS

Tot Ion:	56	Resp:	195339
Ion	Ratio	Lower	Upper
56	100		
69	34.0	22.6	34.0#
84	68.4	62.7	94.1

Manual Integrations
APPROVED

MMDadoda
10/29/2018 12:43:41 PM



#32

1,1,1-Trichloroethane

Concen: 46.271 ug/l

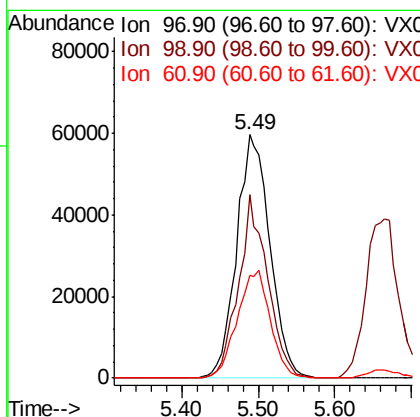
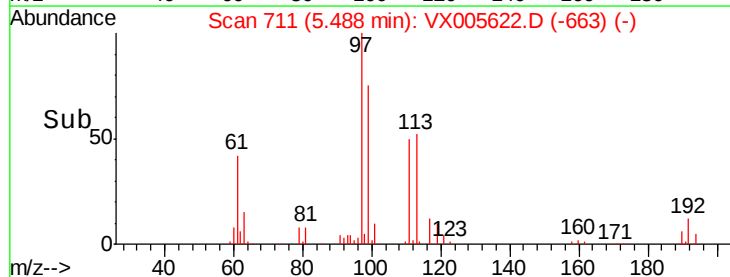
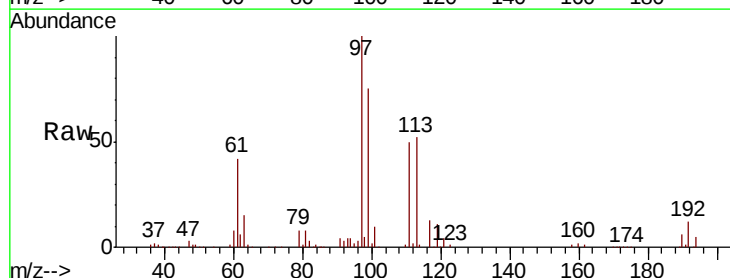
RT: 5.49 min Scan# 711

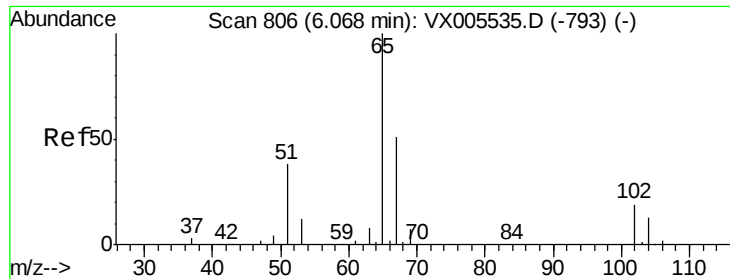
Delta R.T. -0.01 min

Lab File: VX005622.D

Acq: 26 Oct 2018 22:55

Tgt Ion:	97	Resp:	180154
Ion	Ratio	Lower	Upper
97	100		
99	65.8	52.3	78.5
61	44.2	35.2	52.8





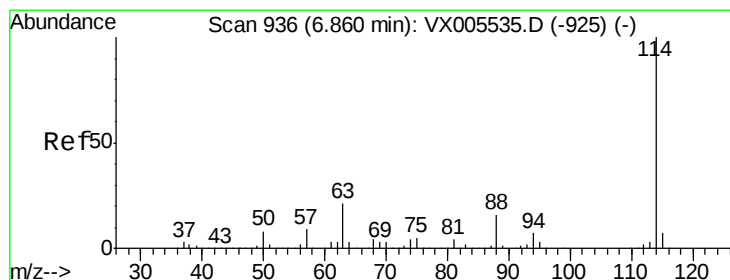
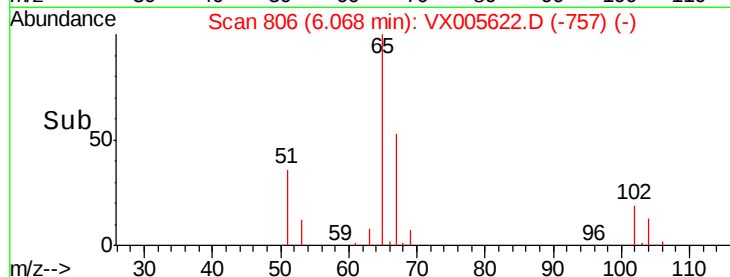
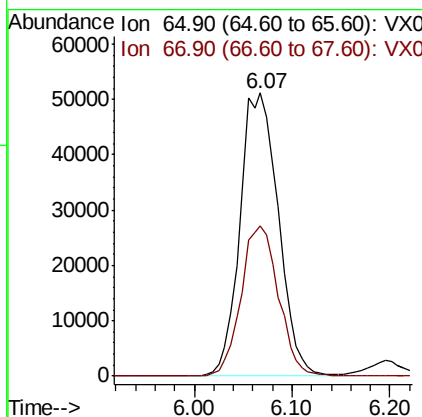
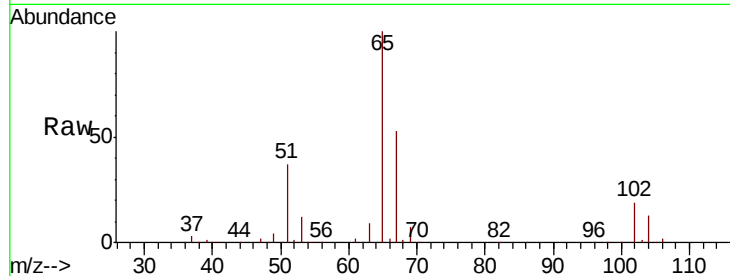
#33
 1,2-Dichloroethane-d4
 Concen: 48.076 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX005622.D
 Acq: 26 Oct 2018 22:55

Instrument :
 MSVOA_X
 ClientSampleId :
 DL-SW-01MS

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	105.0

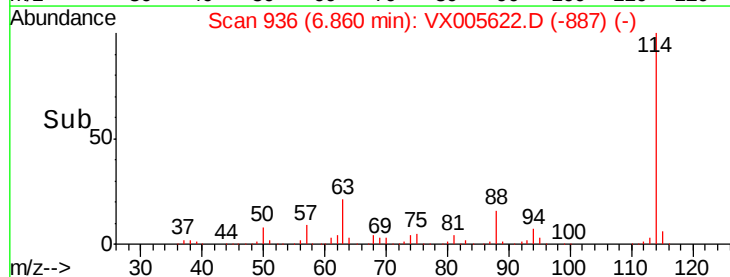
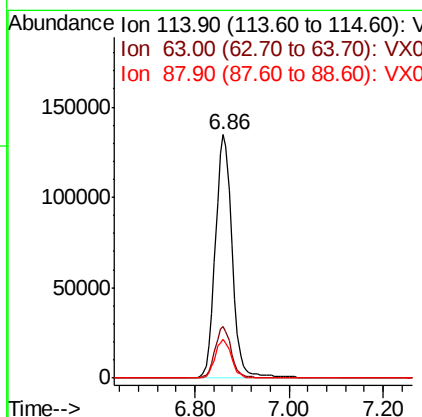
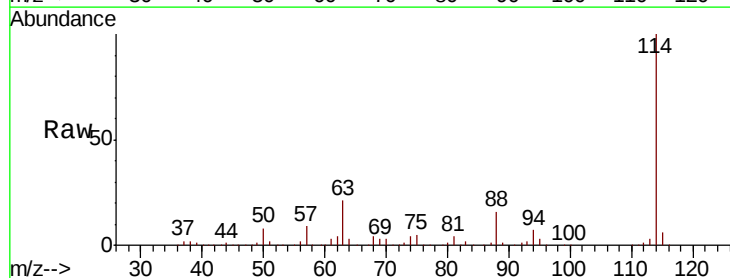
Manual Integrations
 APPROVED

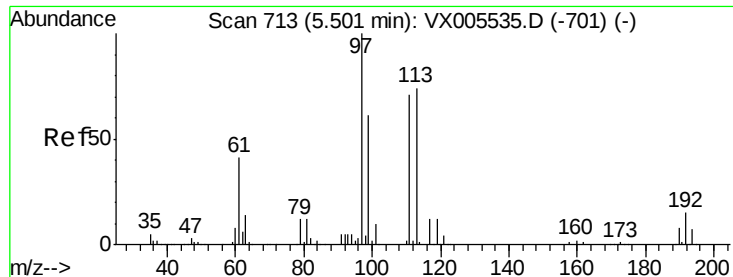
MMDadoda
 10/29/2018 12:43:41 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005622.D
 Acq: 26 Oct 2018 22:55

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	42.8
88	16.0	0.0	31.2





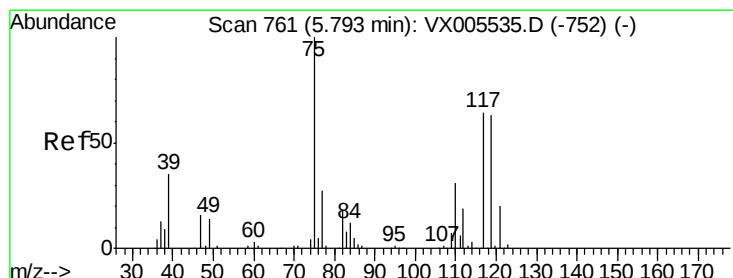
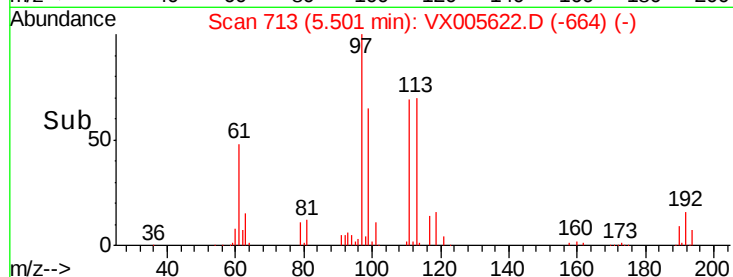
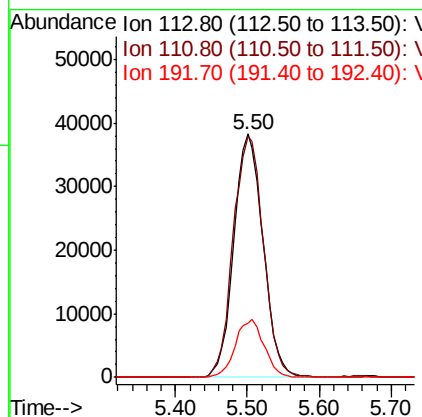
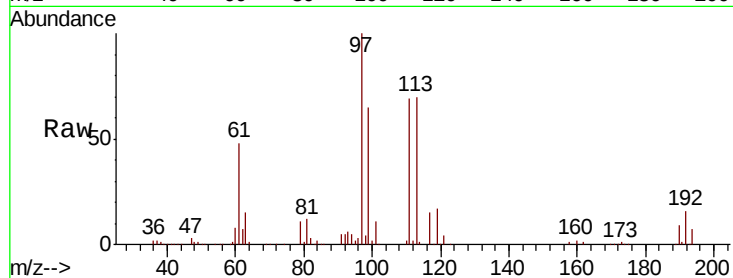
#35
 Dibromofluoromethane
 Concen: 48.127 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX005622.D
 Acq: 26 Oct 2018 22:55

Instrument :
 MSVOA_X
 ClientSampleId :
 DL-SW-01MS

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.3	123.5
192	23.2	17.9	26.9

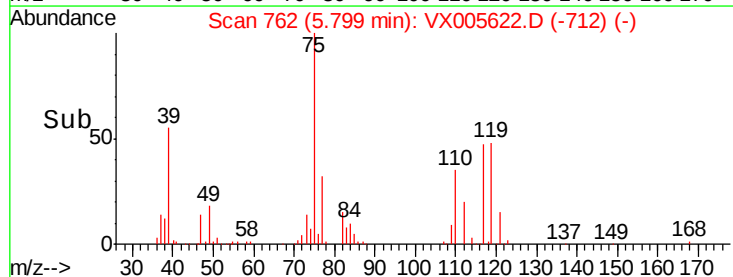
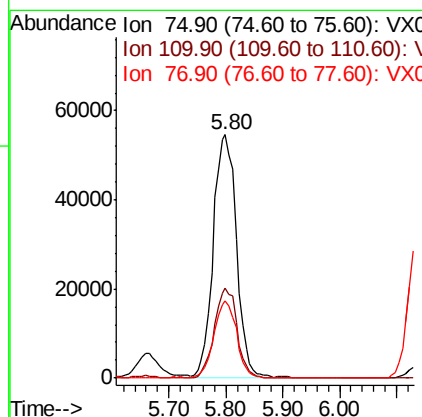
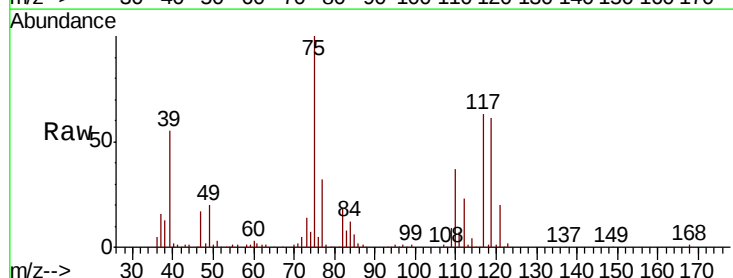
Manual Integrations
 APPROVED

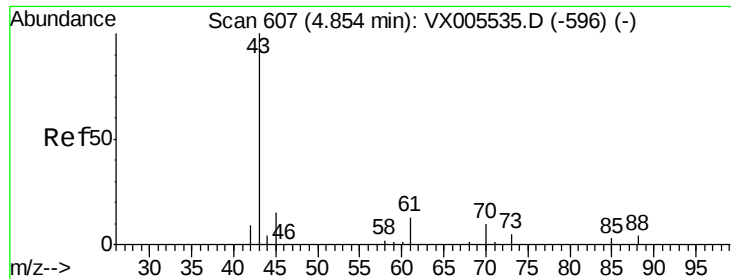
MMDadoda
 10/29/2018 12:43:41 PM



#36
 1,1-Dichloropropene
 Concen: 47.841 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.01 min
 Lab File: VX005622.D
 Acq: 26 Oct 2018 22:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.2	17.4	52.2
77	31.0	25.8	38.6





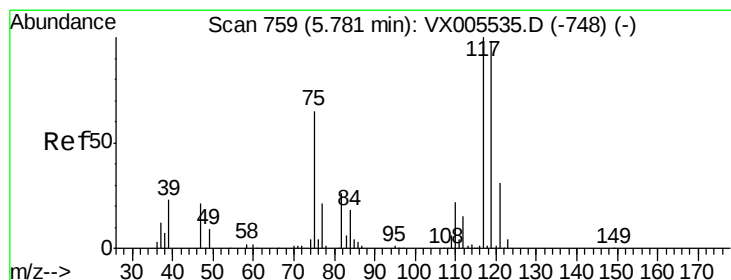
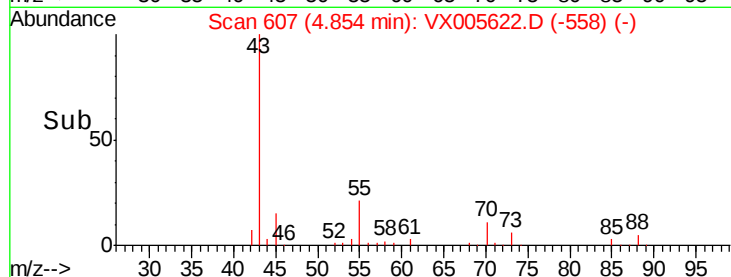
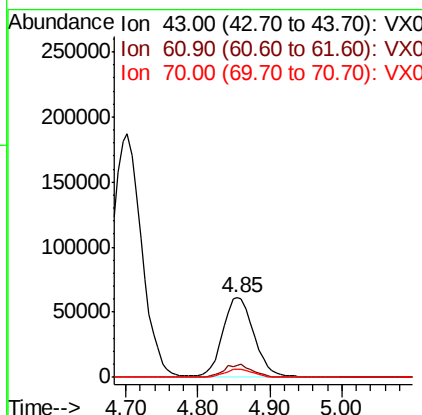
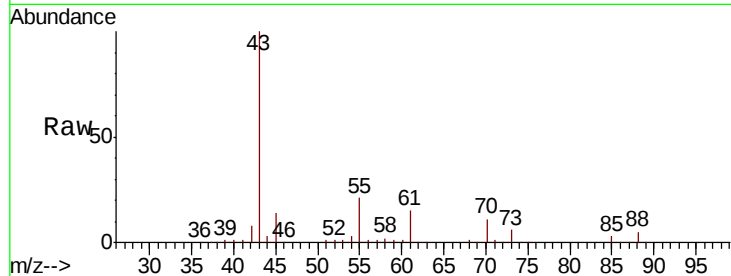
#37
Ethyl Acetate
Concen: 44.714 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX005622.D
Acq: 26 Oct 2018 22:55

Instrument :
MSVOA_X
ClientSampleId :
DL-SW-01MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	10.8	16.2
70	10.1	7.8	11.8

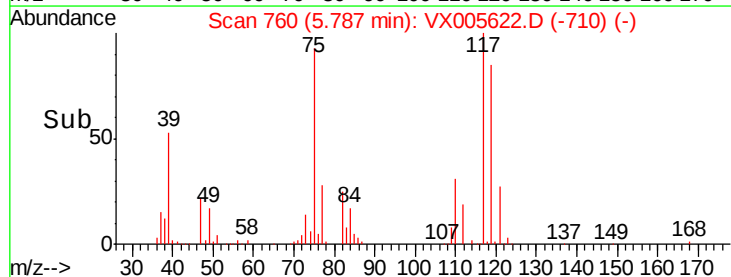
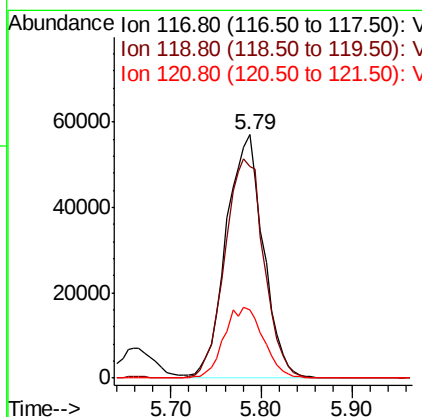
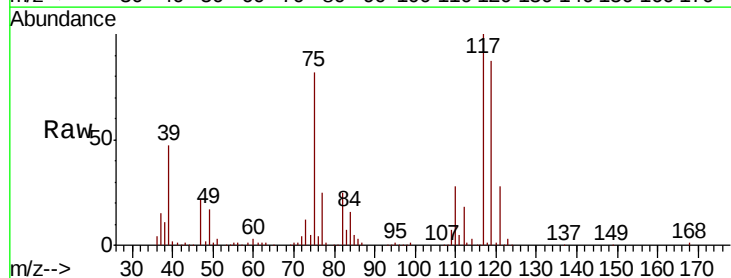
Manual Integrations
APPROVED

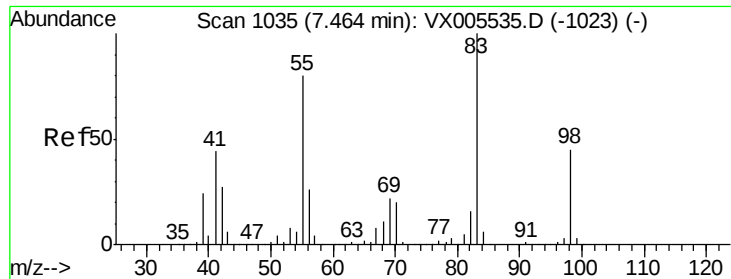
MMDadoda
10/29/2018 12:43:41 PM



#38
Carbon Tetrachloride
Concen: 47.621 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX005622.D
Acq: 26 Oct 2018 22:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	86.7	78.1	117.1
121	28.1	24.6	36.8





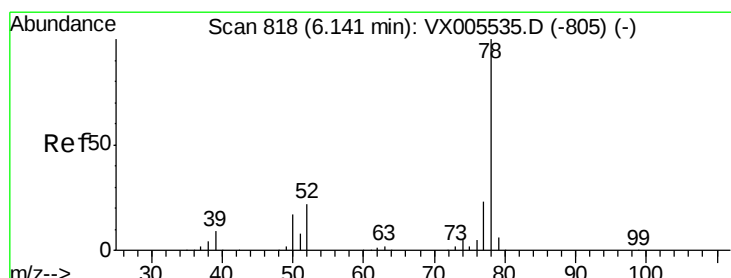
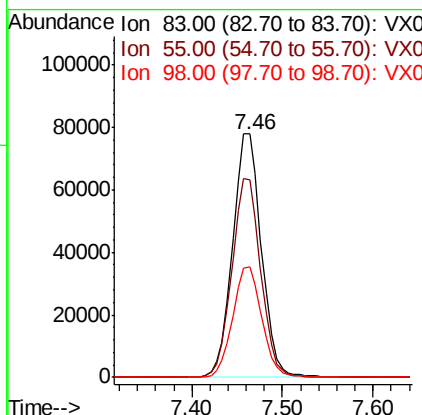
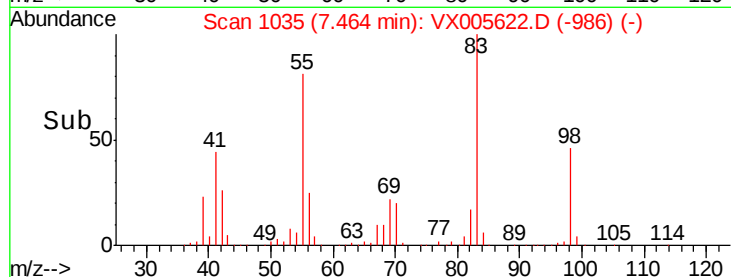
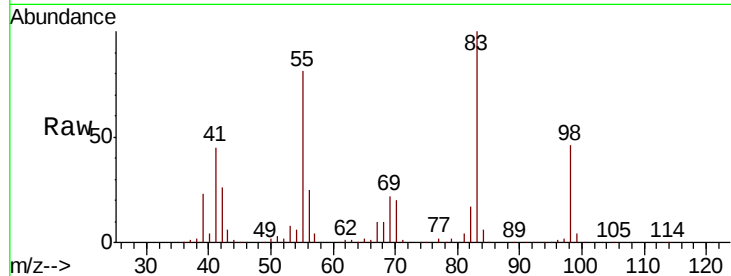
#39
Methylvlcvclohexane
Concen: 48.155 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX005622.D
Acq: 26 Oct 2018 22:55

Instrument :
MSVOA_X
ClientSampleId :
DL-SW-01MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.1	63.7	95.5
98	45.6	36.2	54.2

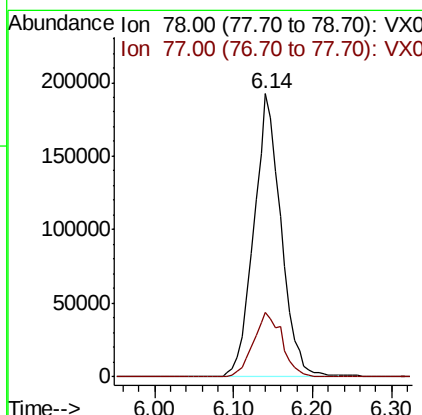
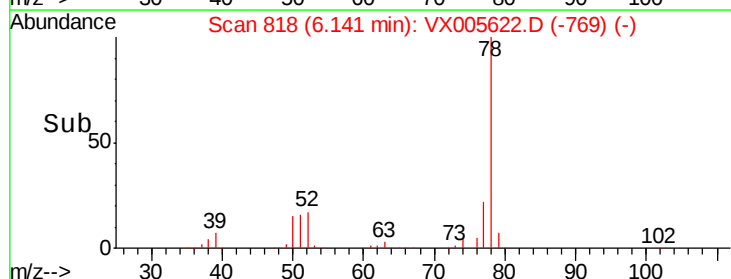
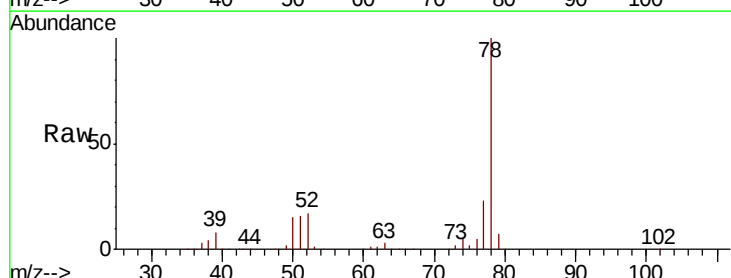
Manual Integrations
APPROVED

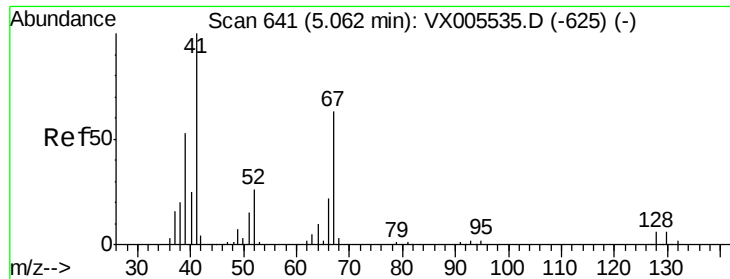
MMDadoda
10/29/2018 12:43:41 PM



#40
Benzene
Concen: 49.820 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX005622.D
Acq: 26 Oct 2018 22:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.6	18.4	27.6





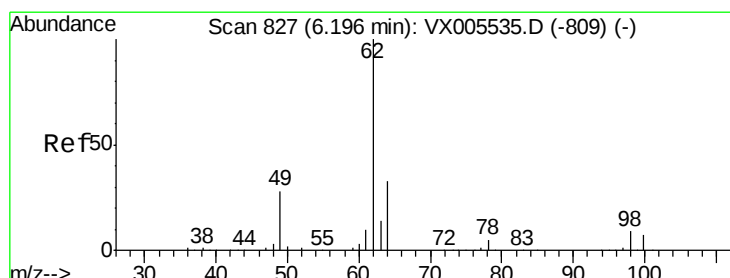
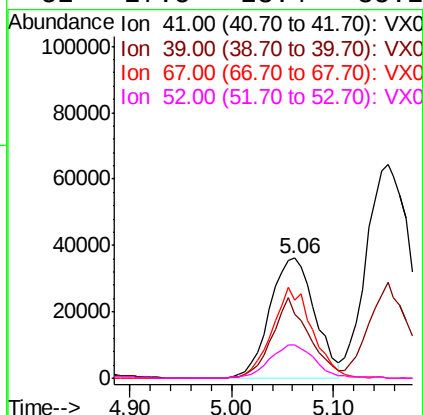
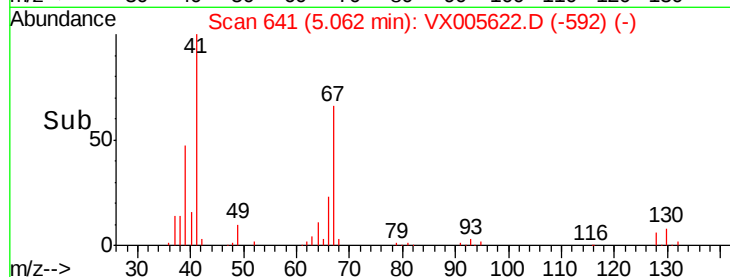
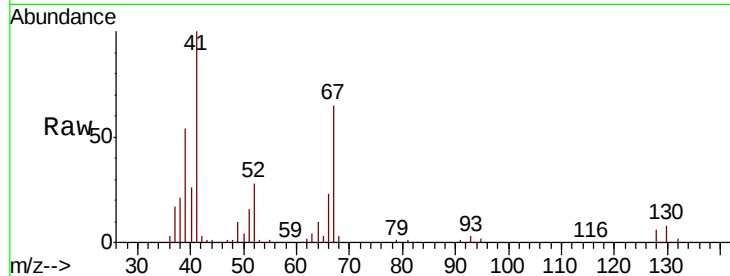
#41
Methacrylonitrile
Concen: 48.144 ug/l
RT: 5.06 min Scan# 641
Delta R.T. -0.00 min
Lab File: VX005622.D
Acq: 26 Oct 2018 22:55

Instrument :
MSVOA_X
ClientSampleID :
DL-SW-01MS

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.8	42.2	63.2	
67	68.5	53.4	80.0	
52	27.5	23.4	35.2	

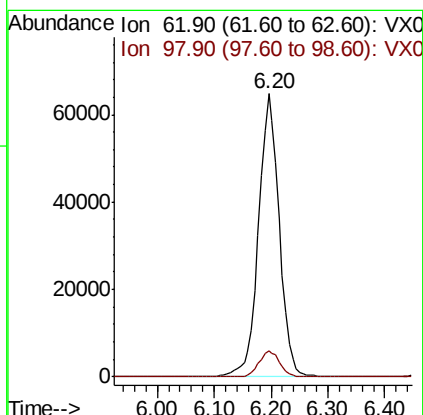
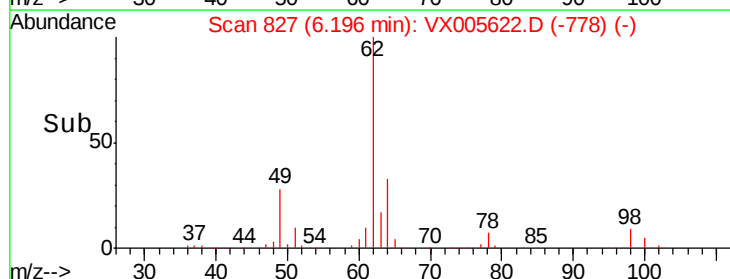
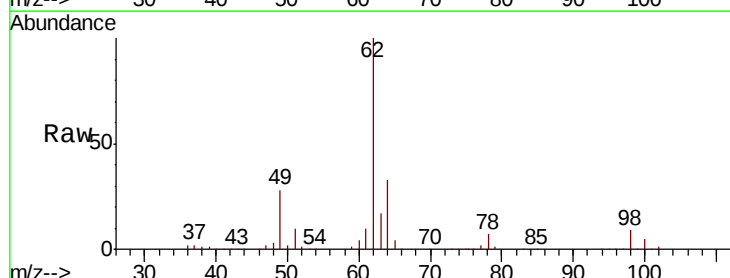
Manual Integrations
APPROVED

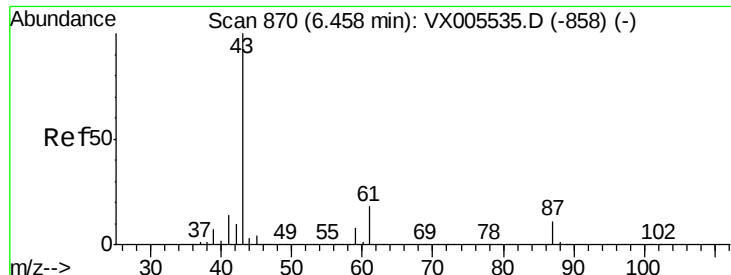
MMDadoda
10/29/2018 12:43:41 PM



#42
1,2-Dichloroethane
Concen: 46.502 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX005622.D
Acq: 26 Oct 2018 22:55

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.1	0.0	17.8	





#43

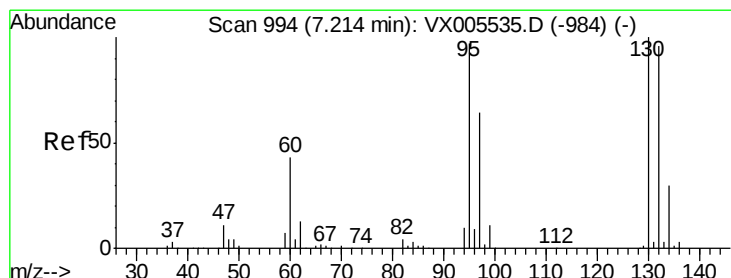
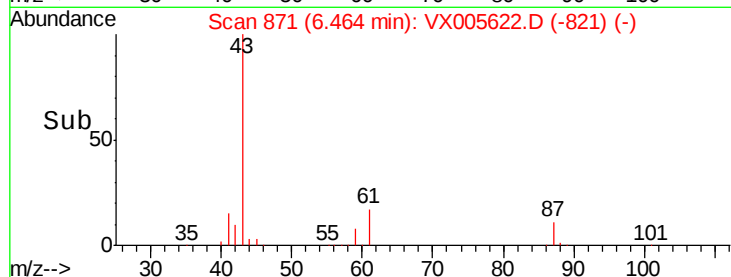
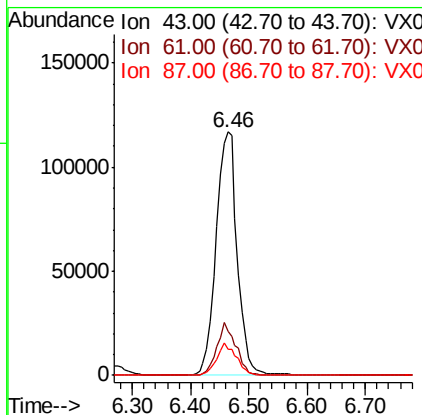
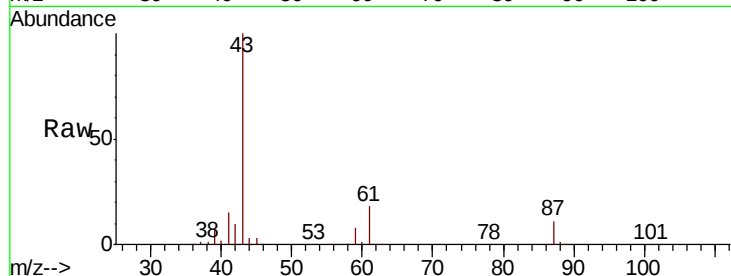
Isopropyl Acetate
 Concen: 47.583 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. 0.01 min
 Lab File: VX005622.D
 Acq: 26 Oct 2018 22:55

Instrument :
 MSVOA_X
 ClientSampleId :
 DL-SW-01MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.4	14.6	22.0
87	12.4	9.6	14.4

Manual Integrations
 APPROVED

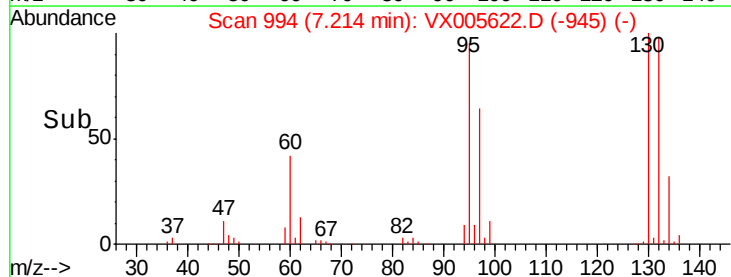
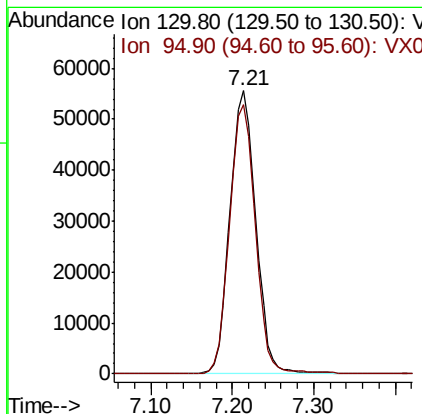
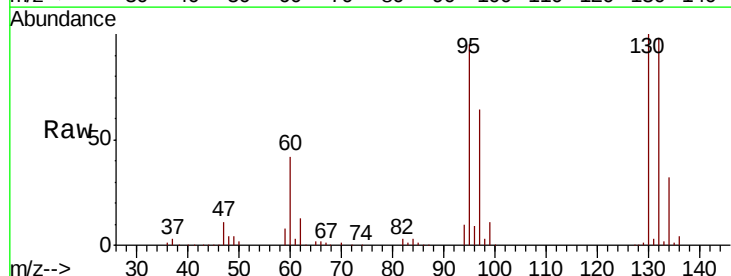
MMDadoda
 10/29/2018 12:43:41 PM



#44

Trichloroethene
 Concen: 48.230 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX005622.D
 Acq: 26 Oct 2018 22:55

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.3	0.0	194.2





#45

1,2-Dichloropropane

Concen: 48.311 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX005622.D

Acq: 26 Oct 2018 22:55

Instrument :

MSVOA_X

ClientSampleId :

DL-SW-01MS

Tot Ion: 63 Resp: 120217

Ion Ratio Lower Upper

63 100

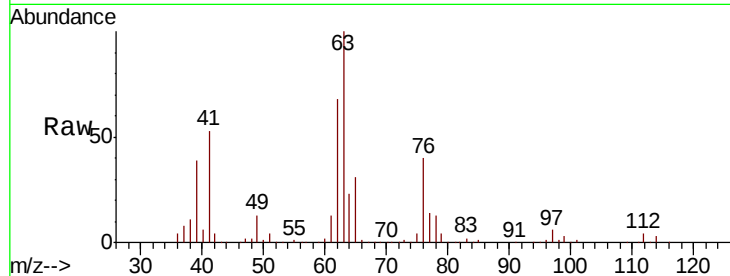
65 31.4 24.8 37.2

Manual Integrations

APPROVED

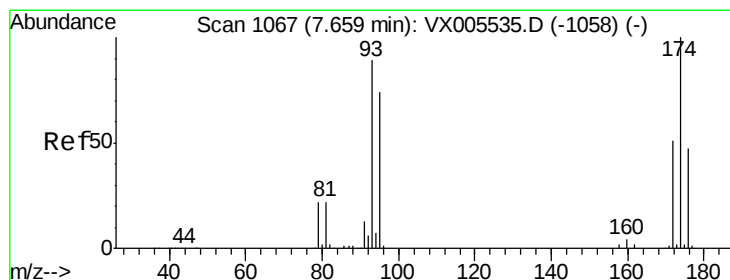
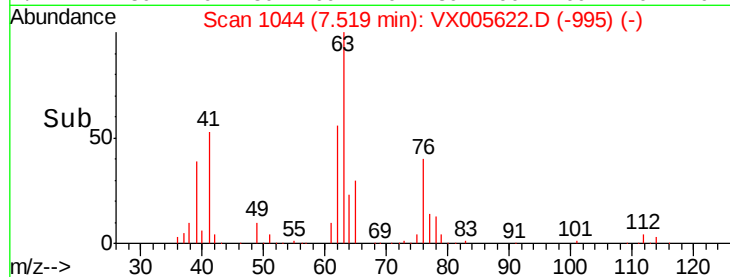
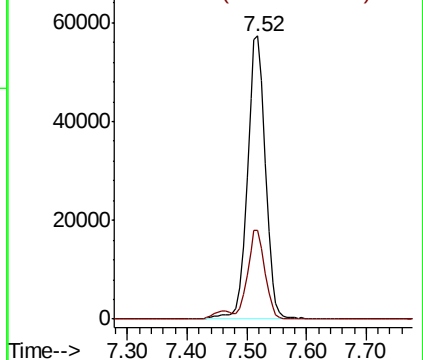
MMDadoda

10/29/2018 12:43:41 PM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 47.806 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX005622.D

Acq: 26 Oct 2018 22:55

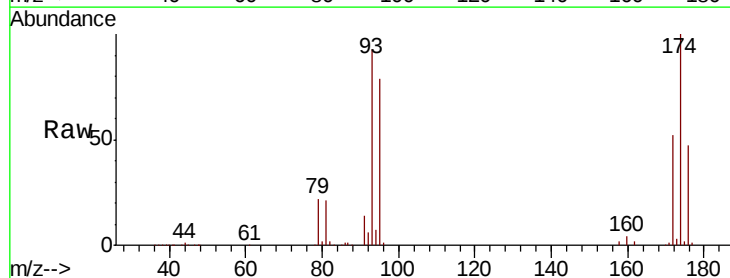
Tgt Ion: 93 Resp: 76833

Ion Ratio Lower Upper

93 100

95 84.6 67.4 101.0

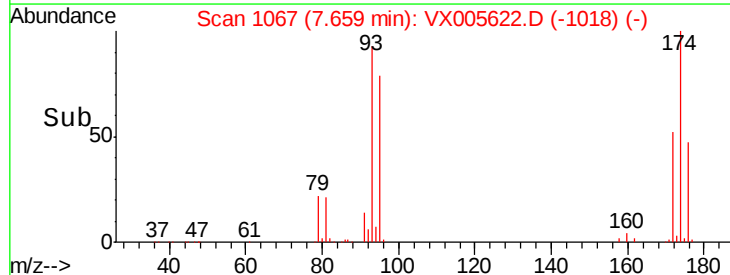
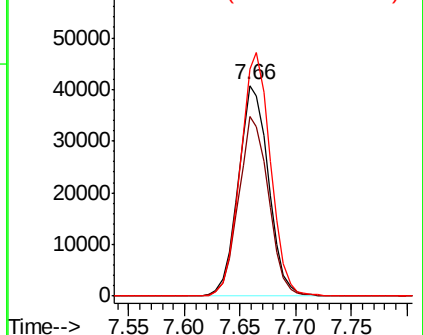
174 115.6 91.5 137.3

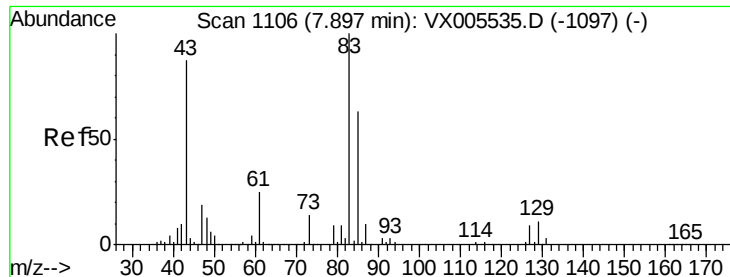


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





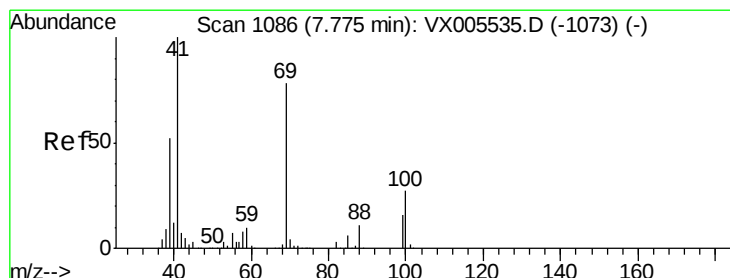
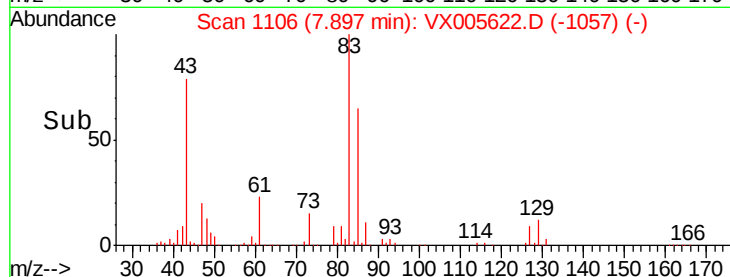
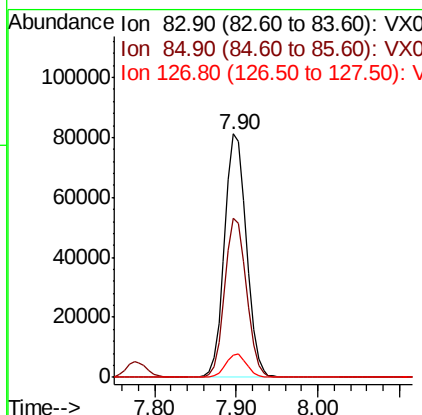
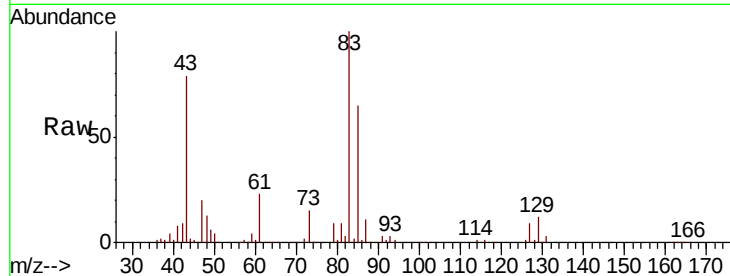
#47
Bromodichloromethane
Concen: 48.375 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX005622.D
Acq: 26 Oct 2018 22:55

Instrument :
MSVOA_X
ClientSampleId :
DL-SW-01MS

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	65.4	50.2	75.4	
127	8.9	6.9	10.3	

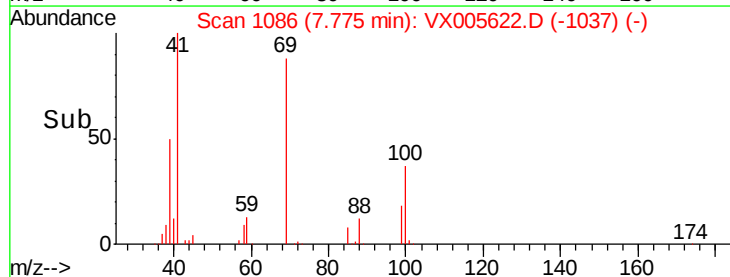
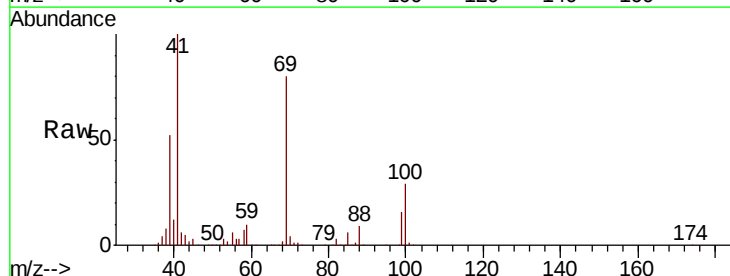
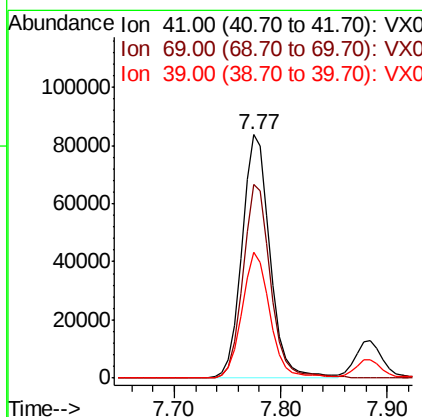
Manual Integrations
APPROVED

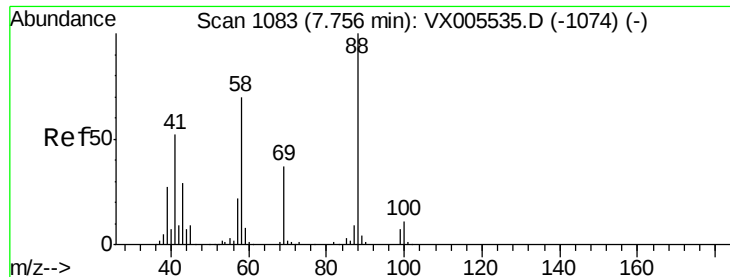
MMDadoda
10/29/2018 12:43:41 PM



#48
Methyl methacrylate
Concen: 51.361 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. -0.00 min
Lab File: VX005622.D
Acq: 26 Oct 2018 22:55

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	78.9	63.2	94.8	
39	51.3	42.2	63.2	





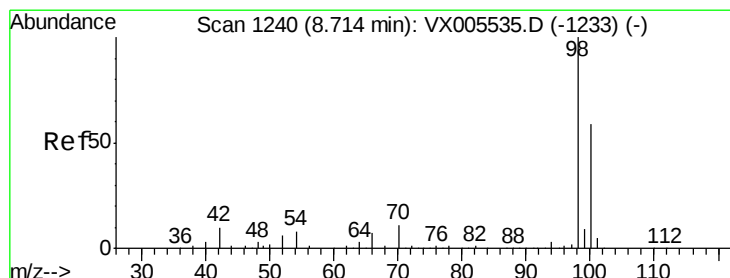
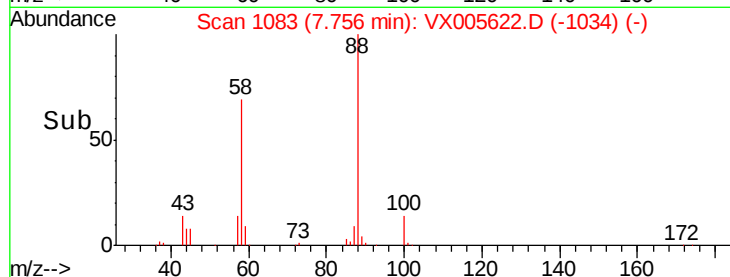
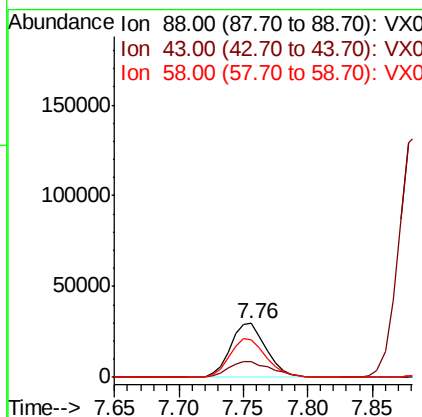
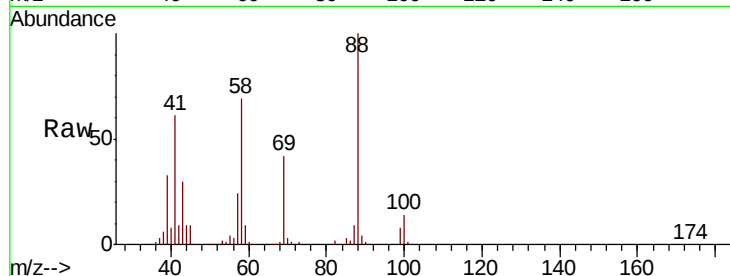
#49
1,4-Dioxane
Concen: 874.424 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX005622.D
Acq: 26 Oct 2018 22:55

Instrument :
MSVOA_X
ClientSampleId :
DL-SW-01MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.9	27.4	41.0
58	73.5	59.4	89.2

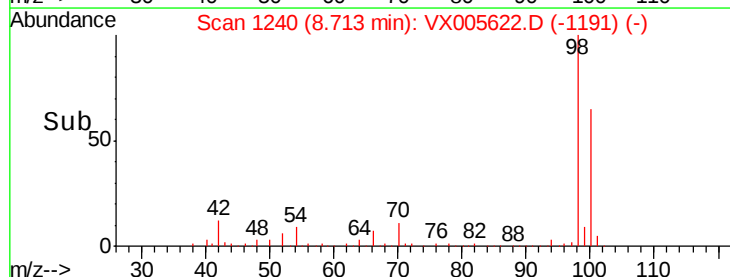
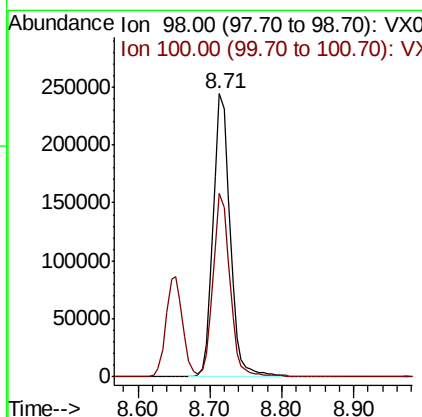
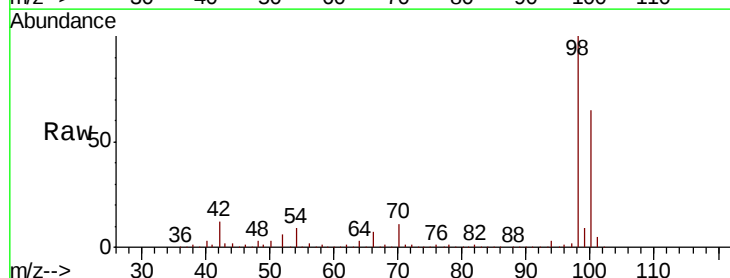
Manual Integrations
APPROVED

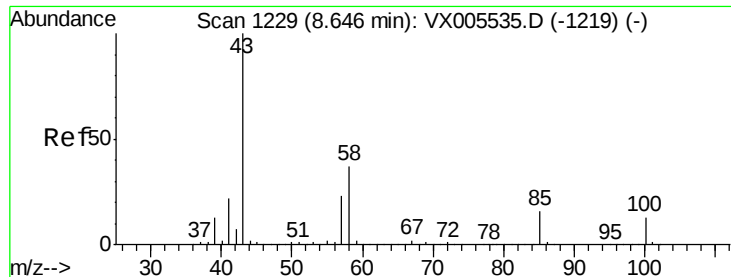
MMDadoda
10/29/2018 12:43:41 PM



#50
Toluene-d8
Concen: 49.446 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005622.D
Acq: 26 Oct 2018 22:55

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.3	76.9





#51

4-Methyl-2-Pentanone

Concen: 246.113 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX005622.D

Acq: 26 Oct 2018 22:55

Instrument :

MSVOA_X

ClientSampleId :

DL-SW-01MS

Tot Ion: 43 Resp: 1021231

Ion Ratio Lower Upper

43 100

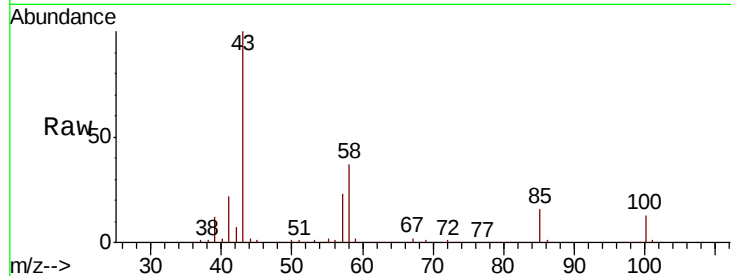
58 37.5 29.7 44.5

Manual Integrations

APPROVED

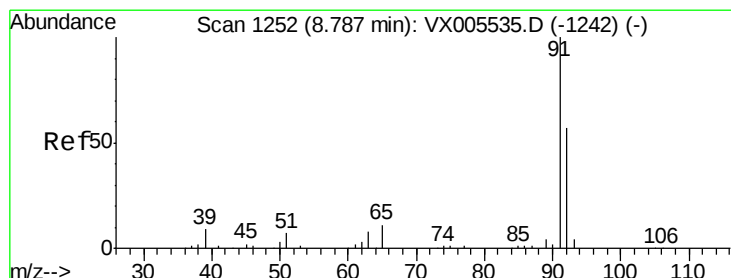
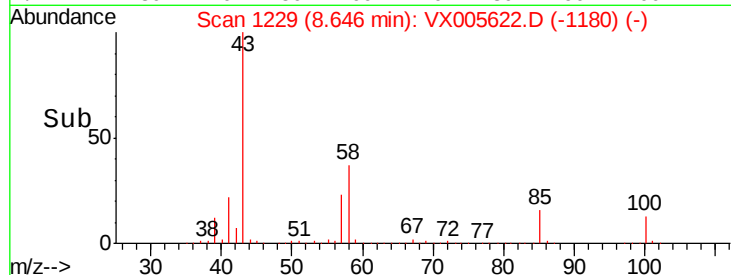
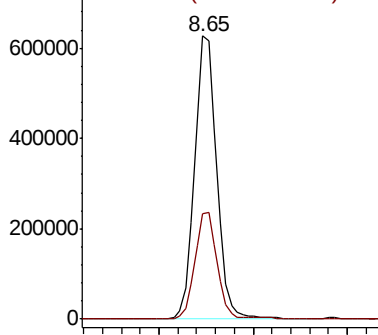
MMDadoda

10/29/2018 12:43:41 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 49.267 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005622.D

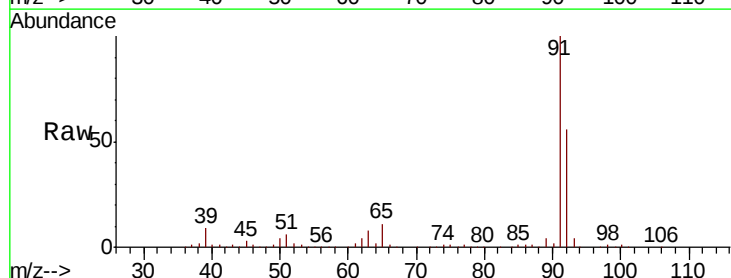
Acq: 26 Oct 2018 22:55

Tgt Ion: 92 Resp: 277132

Ion Ratio Lower Upper

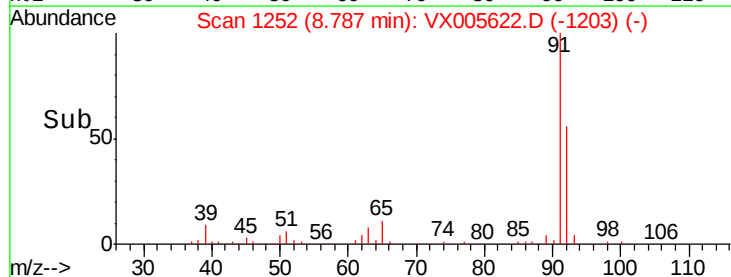
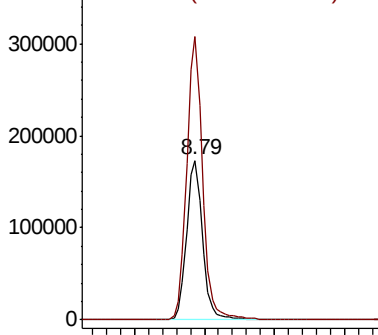
92 100

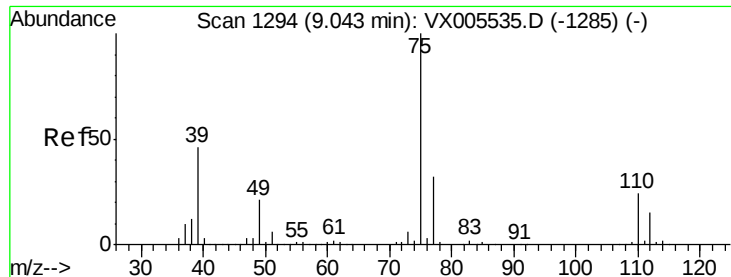
91 176.1 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





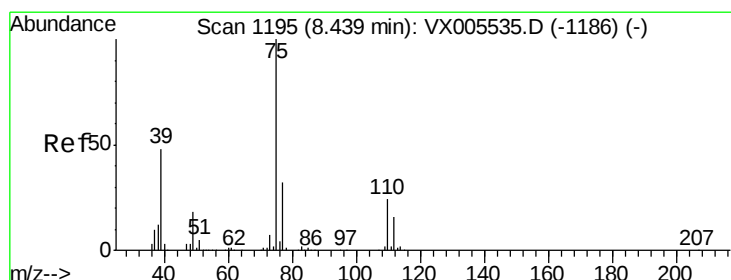
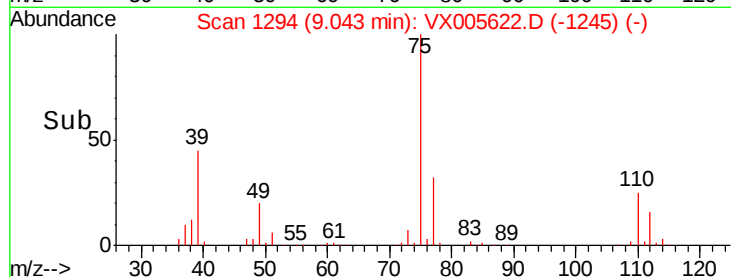
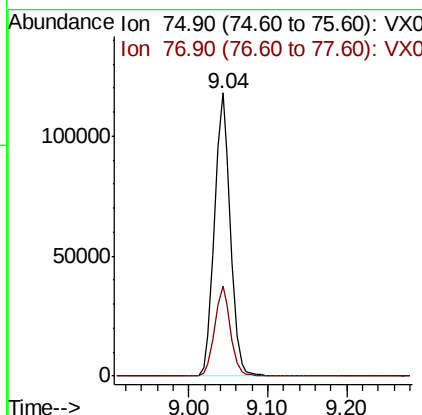
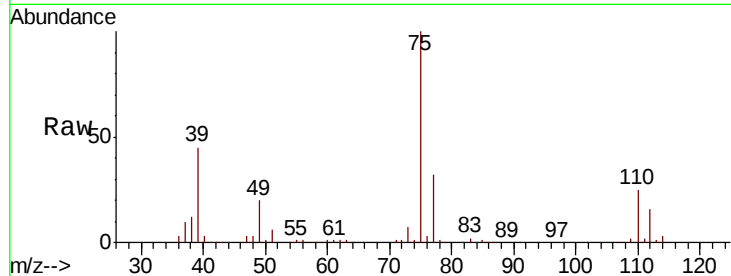
#53
 t-1,3-Dichloropropene
 Concen: 49.185 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX005622.D
 Acq: 26 Oct 2018 22:55

Instrument :
 MSVOA_X
 ClientSampleId :
 DL-SW-01MS

Tot Ion: 75 Resp: 165814
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.4 38.2

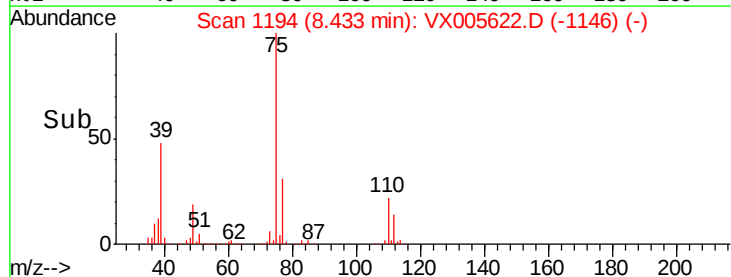
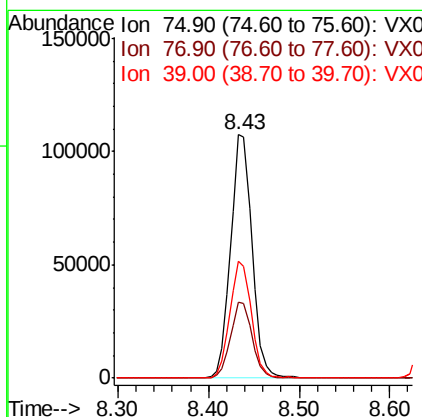
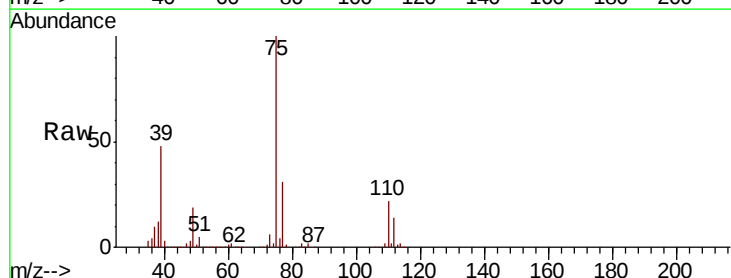
Manual Integrations
 APPROVED

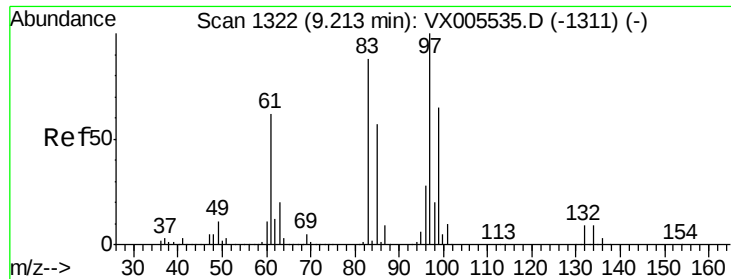
MMDadoda
 10/29/2018 12:43:41 PM



#54
 cis-1,3-Dichloropropene
 Concen: 48.606 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: VX005622.D
 Acq: 26 Oct 2018 22:55

Tgt Ion: 75 Resp: 176420
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.2 37.8
 39 48.1 38.2 57.2





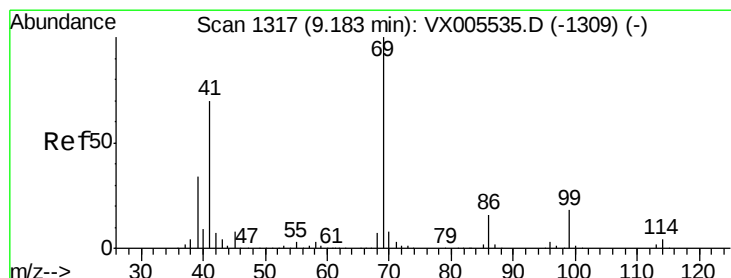
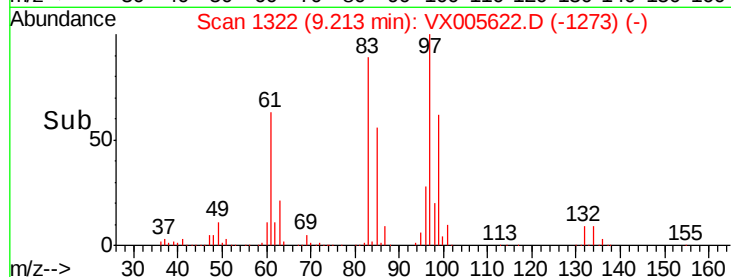
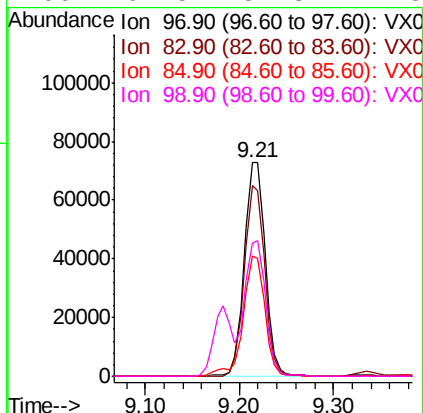
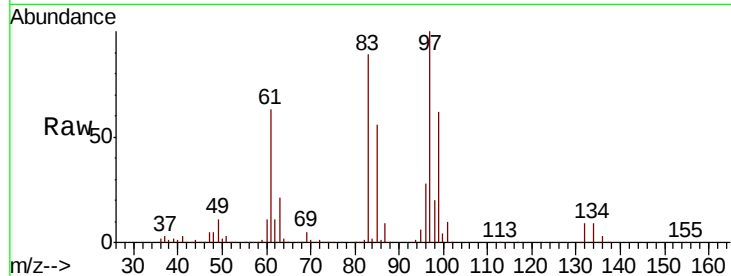
#55
 1,1,2-Trichloroethane
 Concen: 48.028 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX005622.D
 Acq: 26 Oct 2018 22:55

Instrument :
 MSVOA_X
 ClientSampleId :
 DL-SW-01MS

Tot Ion:	97	Resp:	113904
Ion	Ratio	Lower	Upper
97	100		
83	89.3	70.7	106.1
85	56.3	45.8	68.6
99	62.5	51.8	77.8

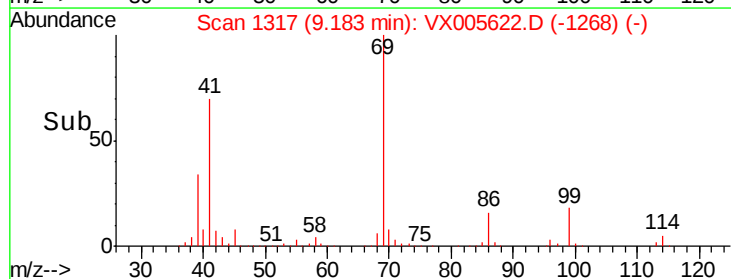
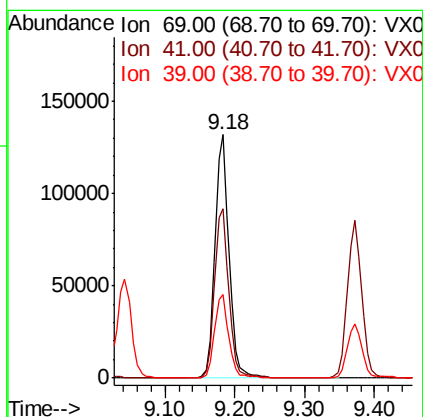
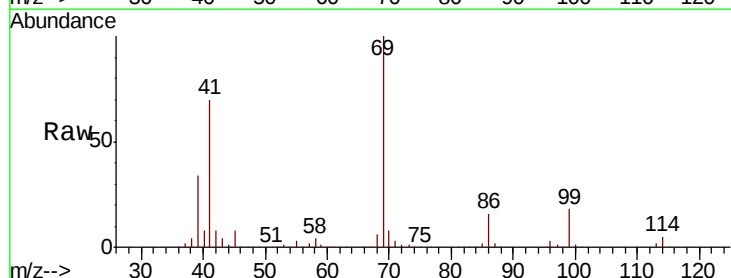
Manual Integrations
 APPROVED

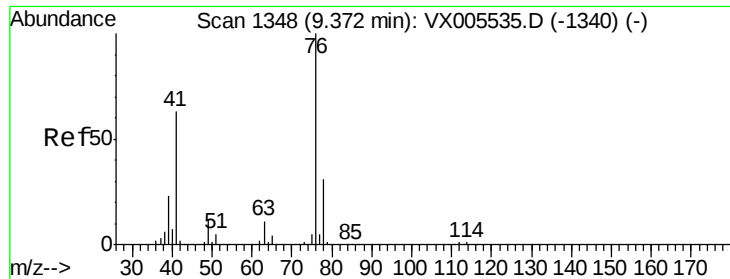
MMDadoda
 10/29/2018 12:43:41 PM



#56
 Ethyl methacrylate
 Concen: 52.020 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005622.D
 Acq: 26 Oct 2018 22:55

Tgt Ion:	69	Resp:	184018
Ion	Ratio	Lower	Upper
69	100		
41	71.0	57.0	85.6
39	34.6	28.3	42.5





#57

1,3-Dichloropropane

Concen: 48.082 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX005622.D

Acq: 26 Oct 2018 22:55

Instrument :

MSVOA_X

ClientSampleId :

DL-SW-01MS

Tot Ion: 76 Resp: 192943

Ion Ratio Lower Upper

76 100

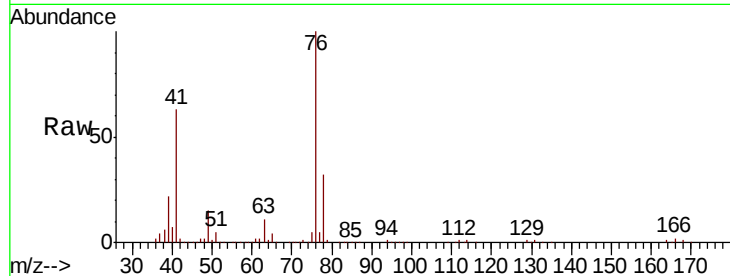
78 32.0 25.3 37.9

Manual Integrations

APPROVED

MMDadoda

10/29/2018 12:43:41 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

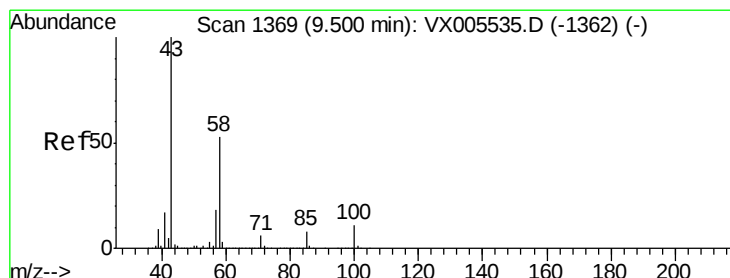
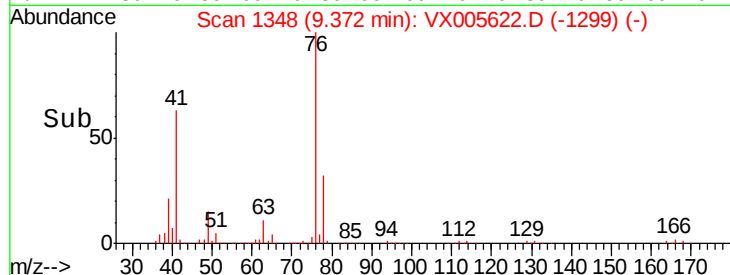
150000

100000

50000

0

Time-->



#59

2-Hexanone

Concen: 247.981 ug/l

RT: 9.49 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VX005622.D

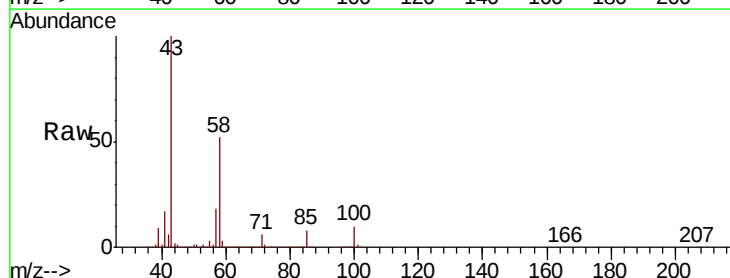
Acq: 26 Oct 2018 22:55

Tgt Ion: 43 Resp: 811303

Ion Ratio Lower Upper

43 100

58 52.7 25.9 77.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

9.49

600000

500000

400000

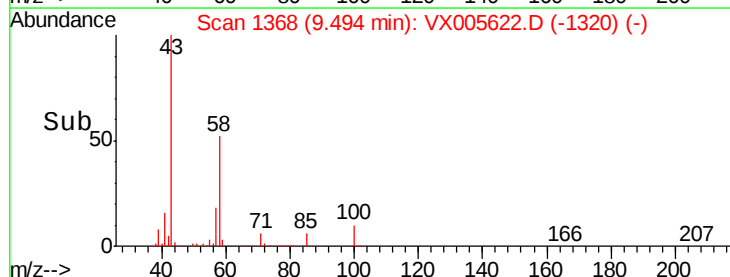
300000

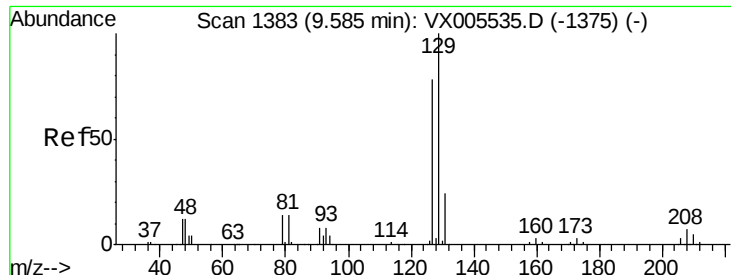
200000

100000

0

Time-->





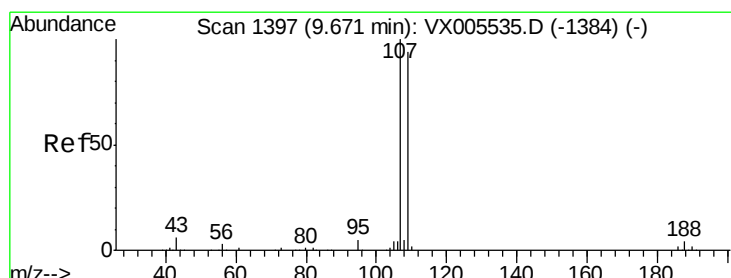
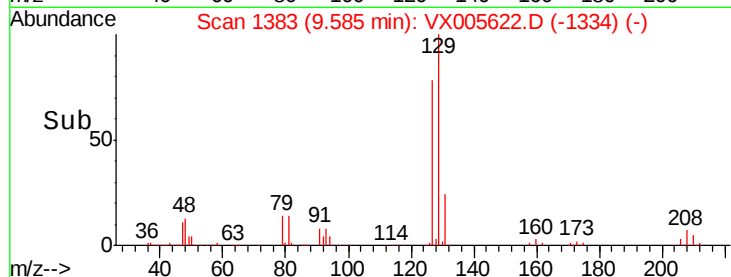
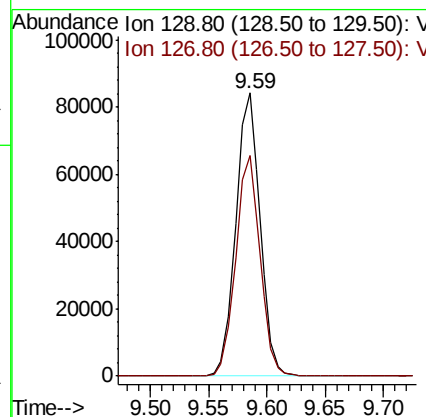
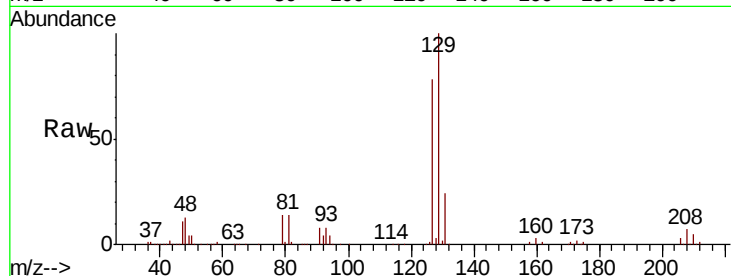
#60
 Dibromochloromethane
 Concen: 49.394 ug/l
 RT: 9.59 min Scan# 1383
 Delta R.T. -0.00 min
 Lab File: VX005622.D
 Acq: 26 Oct 2018 22:55

Instrument :
 MSVOA_X
 ClientSampleId :
 DL-SW-01MS

Tot Ion	Ratio	Lower	Upper
129	100		
127	78.2	38.9	116.7

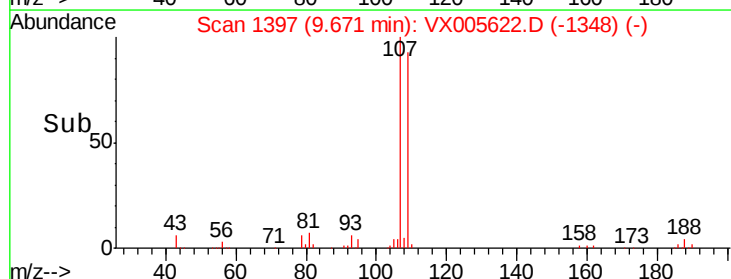
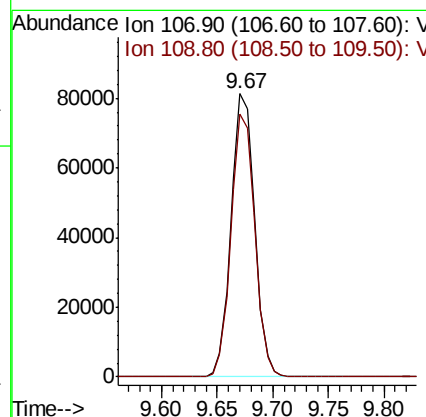
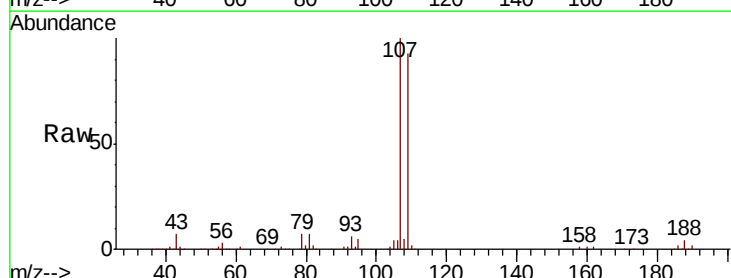
Manual Integrations
 APPROVED

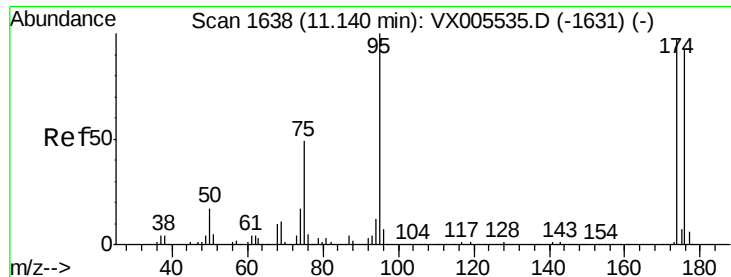
MMDadoda
 10/29/2018 12:43:41 PM



#61
 1,2-Dibromoethane
 Concen: 48.545 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX005622.D
 Acq: 26 Oct 2018 22:55

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.7	113.5





#62

4-Bromofluorobenzene

Concen: 49.386 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005622.D

Acq: 26 Oct 2018 22:55

Instrument :

MSVOA_X

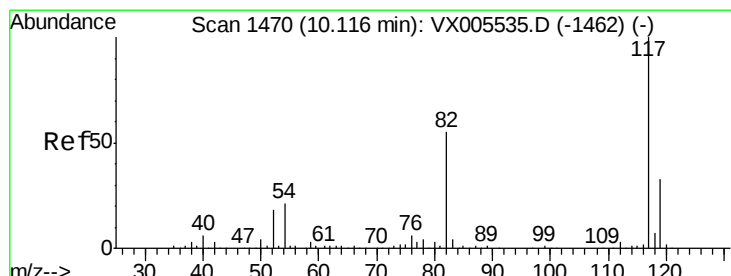
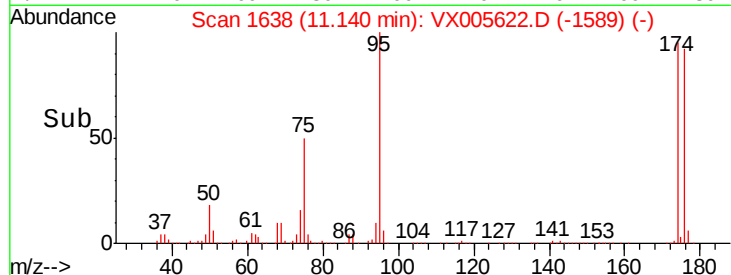
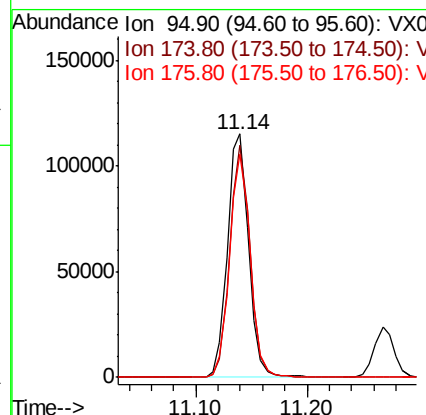
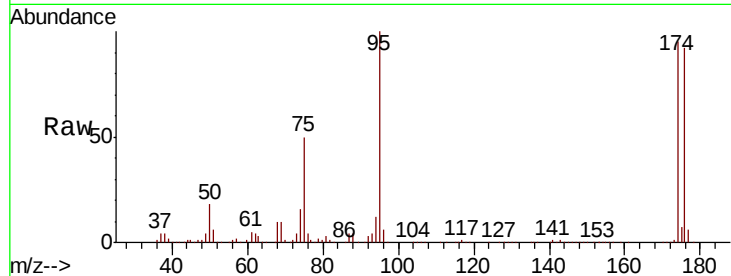
ClientSampleId :

DL-SW-01MS

Tot Ion:	95	Resp:	150973
Ion Ratio	Lower	Upper	
95	100		
174	91.6	0.0	184.4
176	89.6	0.0	177.4

Manual Integrations
APPROVED

MMDadoda
10/29/2018 12:43:41 PM



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

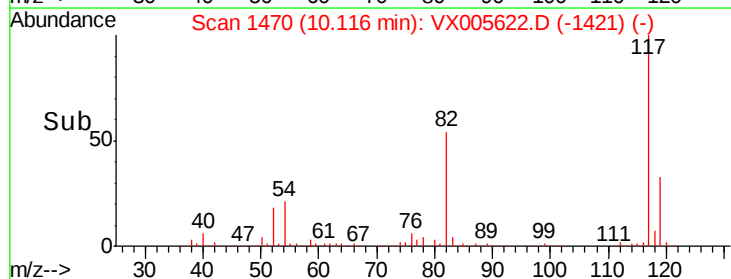
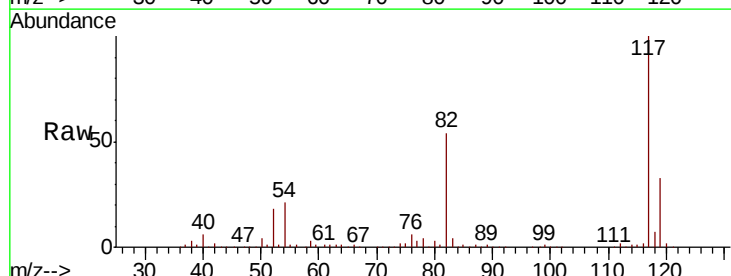
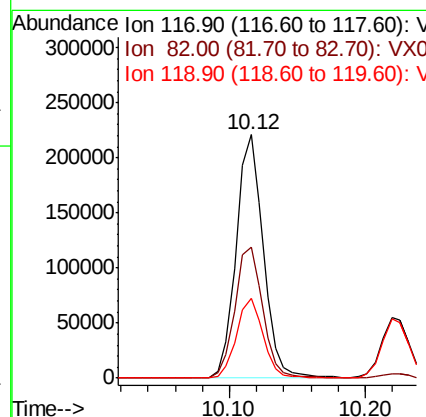
RT: 10.12 min Scan# 1470

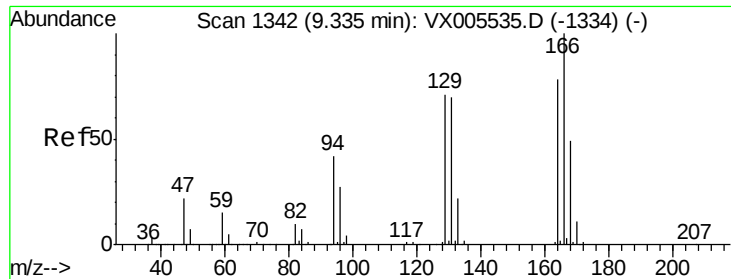
Delta R.T. -0.00 min

Lab File: VX005622.D

Acq: 26 Oct 2018 22:55

Tgt Ion:	117	Resp:	306852
Ion Ratio	Lower	Upper	
117	100		
82	53.7	44.1	66.1
119	32.6	26.2	39.2





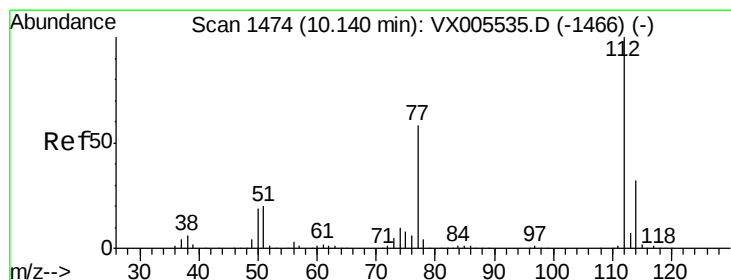
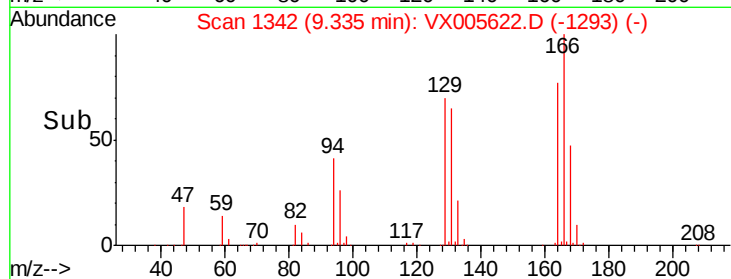
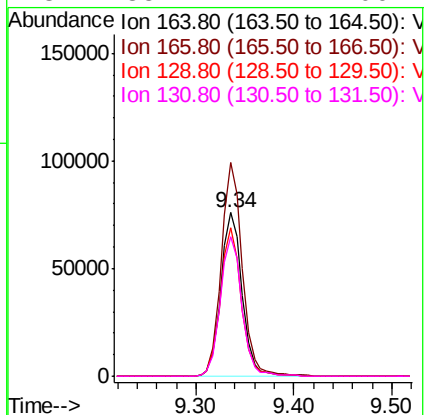
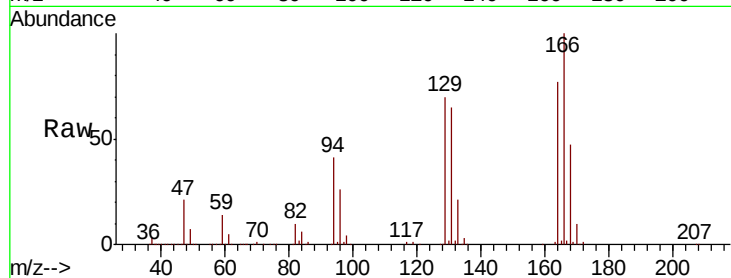
#64
Tetrachloroethene
Concen: 45.210 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005622.D
Acq: 26 Oct 2018 22:55

Instrument :
MSVOA_X
ClientSampleId :
DL-SW-01MS

Tot Ion	Ratio	Lower	Upper
164	100		
166	130.5	101.9	152.9
129	90.9	72.6	109.0
131	85.2	71.1	106.7

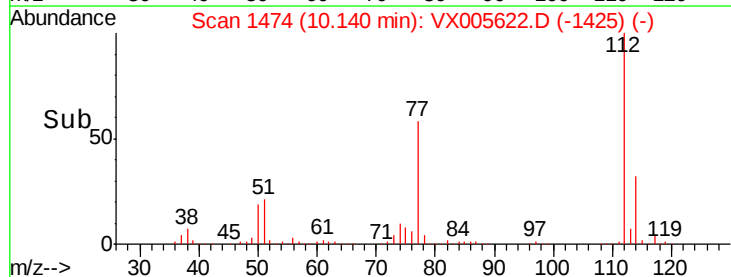
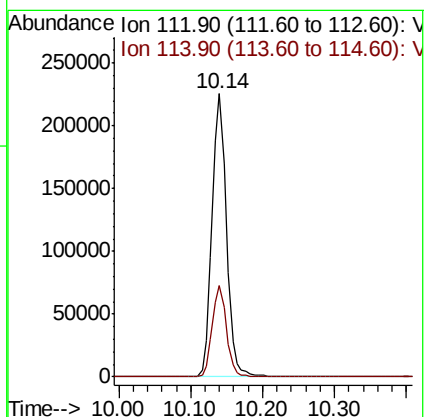
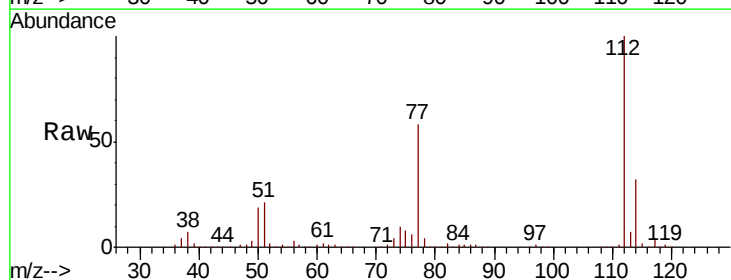
Manual Integrations
APPROVED

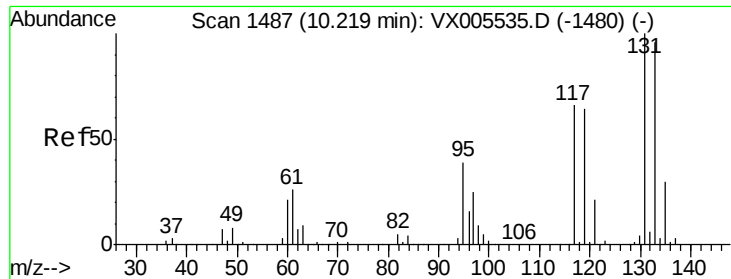
MMDadoda
10/29/2018 12:43:41 PM



#65
Chlorobenzene
Concen: 47.954 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX005622.D
Acq: 26 Oct 2018 22:55

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.5	25.8	38.6





#66

1,1,1,2-Tetrachloroethane

Concen: 48.682 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX005622.D

Acq: 26 Oct 2018 22:55

Instrument :

MSVOA_X

ClientSampleId :

DL-SW-01MS

Tot Ion:131 Resp: 115988

Ion Ratio Lower Upper

131 100

133 94.7 47.5 142.5

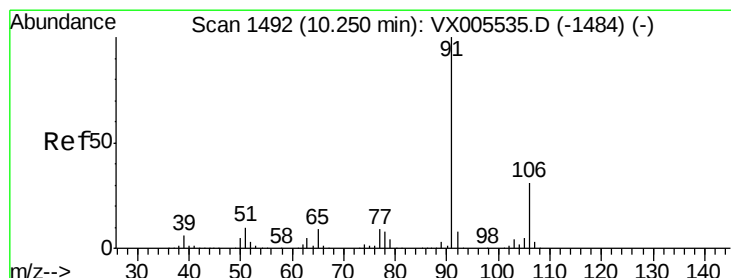
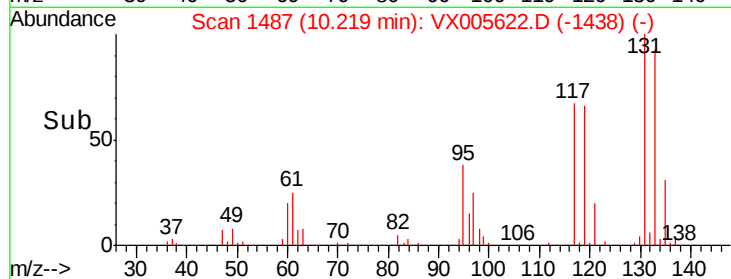
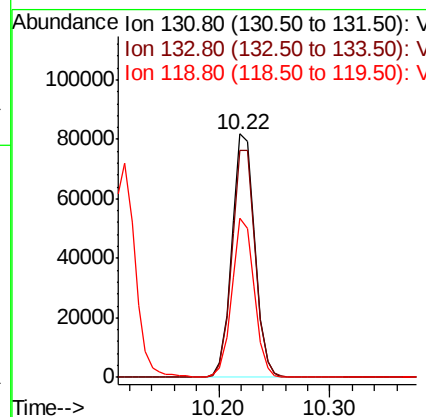
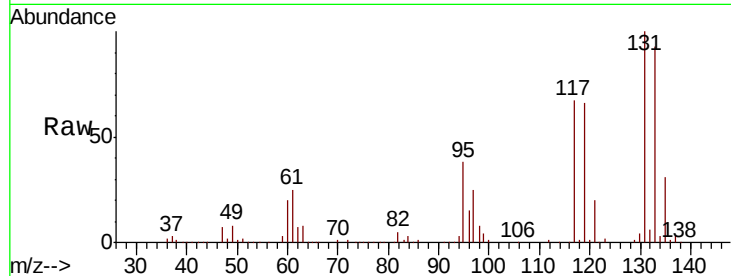
119 64.0 31.8 95.3

Manual Integrations

APPROVED

MMDadoda

10/29/2018 12:43:41 PM



#67

Ethyl Benzene

Concen: 50.295 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. 0.01 min

Lab File: VX005622.D

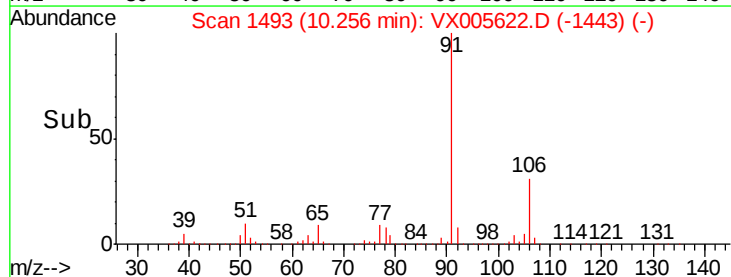
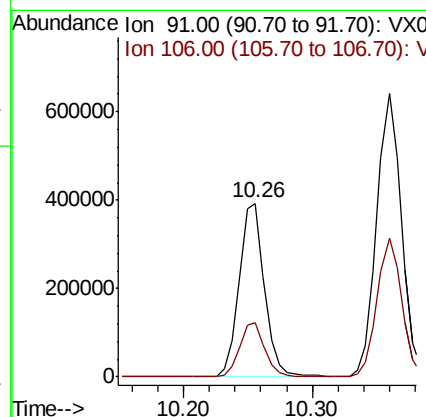
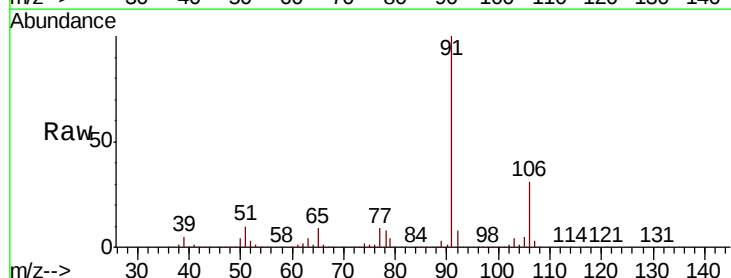
Acq: 26 Oct 2018 22:55

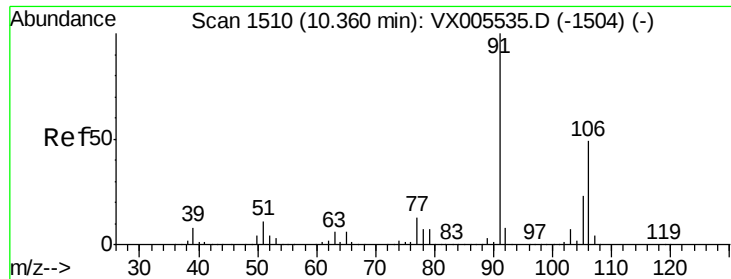
Tgt Ion: 91 Resp: 540705

Ion Ratio Lower Upper

91 100

106 31.0 24.4 36.6





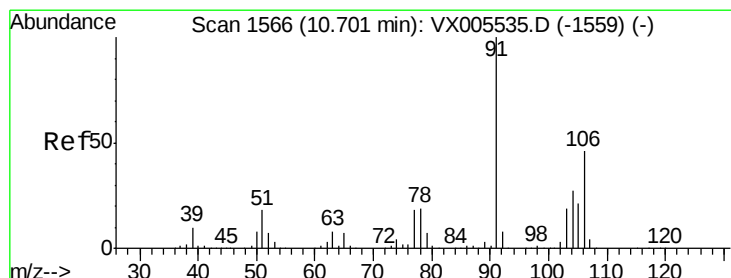
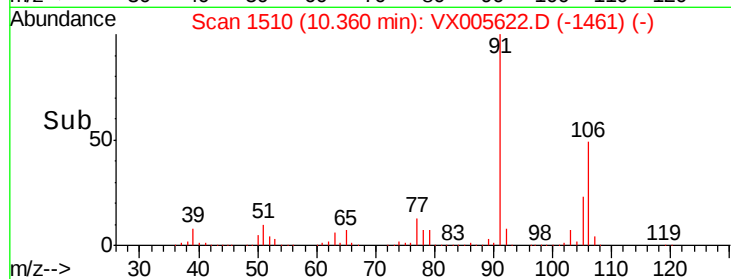
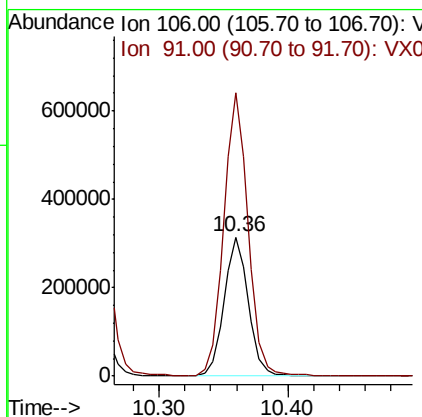
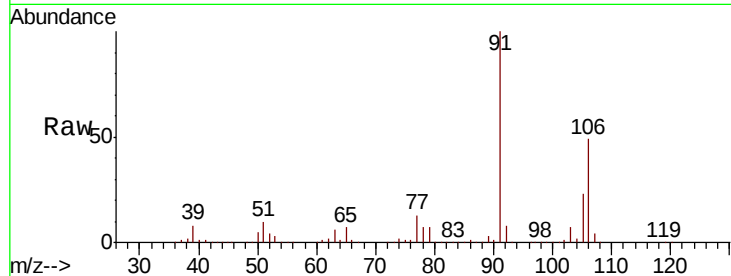
#68
m/p-Xylenes
Concen: 99.737 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX005622.D
Acq: 26 Oct 2018 22:55

Instrument :
MSVOA_X
ClientSampleId :
DL-SW-01MS

Tot Ion:106 Resp: 415997
Ion Ratio Lower Upper
106 100
91 205.6 164.2 246.4

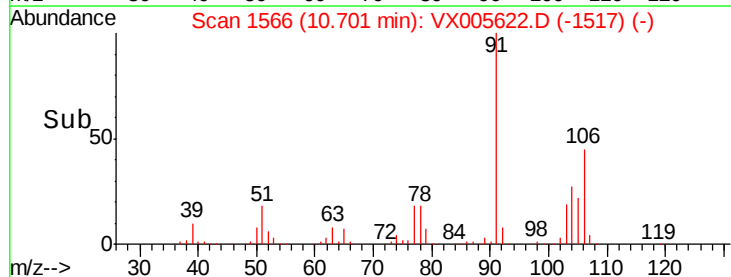
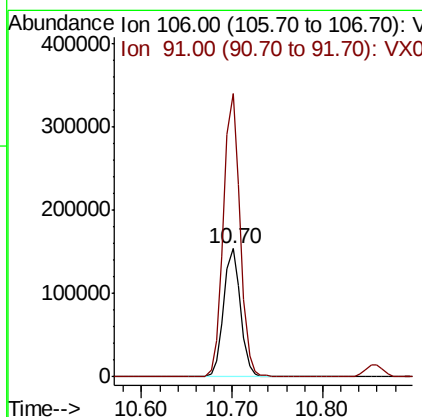
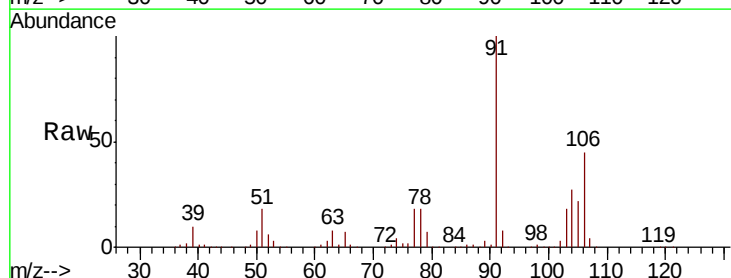
Manual Integrations
APPROVED

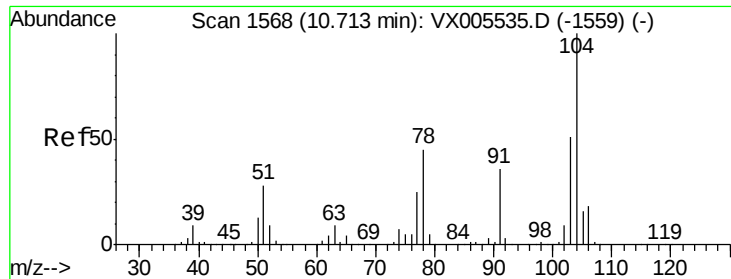
MMDadoda
10/29/2018 12:43:41 PM



#69
o-Xylene
Concen: 51.175 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005622.D
Acq: 26 Oct 2018 22:55

Tgt Ion:106 Resp: 200816
Ion Ratio Lower Upper
106 100
91 218.1 108.5 325.5





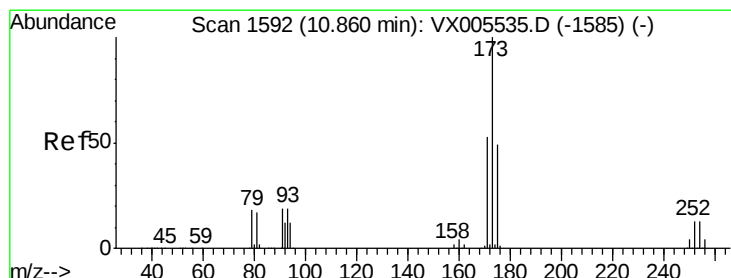
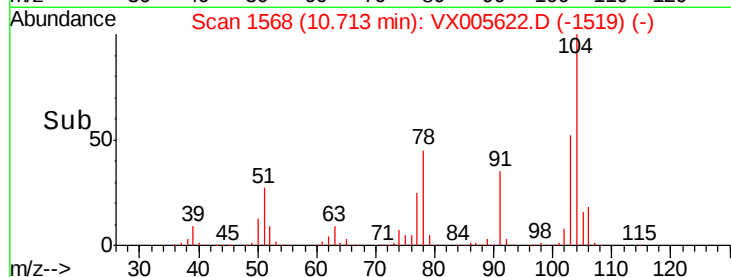
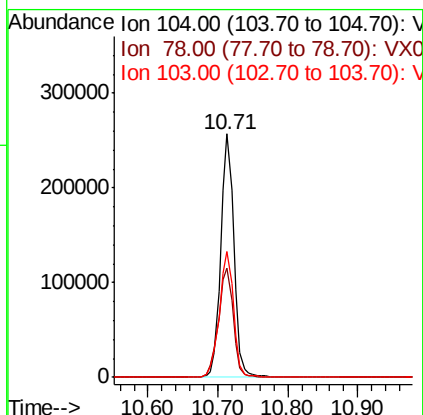
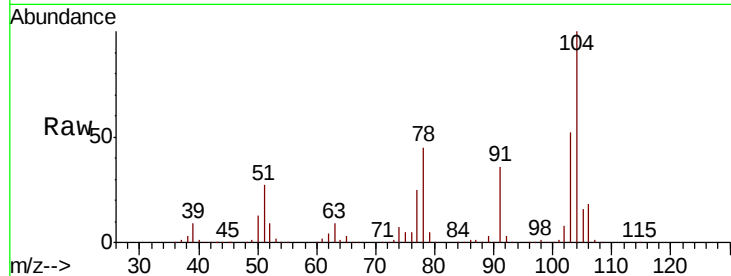
#70
Stvrene
Concen: 51.210 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005622.D
Acq: 26 Oct 2018 22:55

Instrument :
MSVOA_X
ClientSampleId :
DL-SW-01MS

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.7	40.2	60.4
103	56.2	44.9	67.3

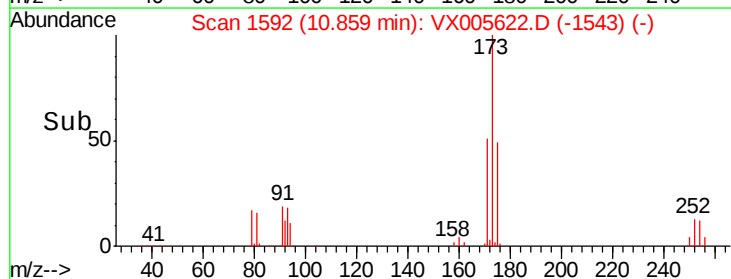
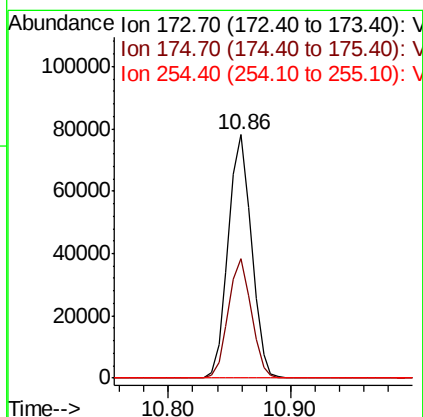
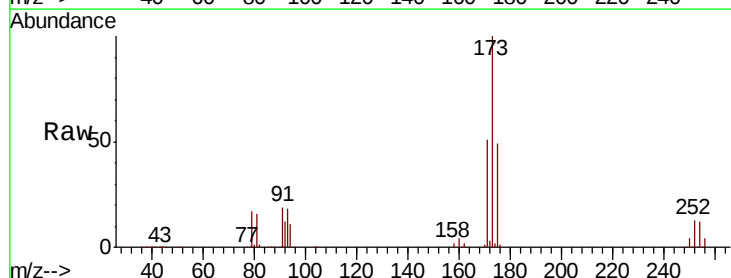
Manual Integrations
APPROVED

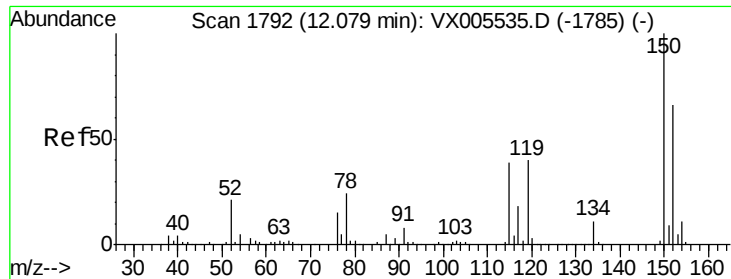
MMDadoda
10/29/2018 12:43:41 PM



#71
Bromoform
Concen: 48.417 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VX005622.D
Acq: 26 Oct 2018 22:55

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.8	74.3
254	0.2	0.2	0.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005622.D

Acq: 26 Oct 2018 22:55

Instrument :

MSVOA_X

ClientSampleId :

DL-SW-01MS

Tot Ion:152 Resp: 172097

Ion Ratio Lower Upper

152 100

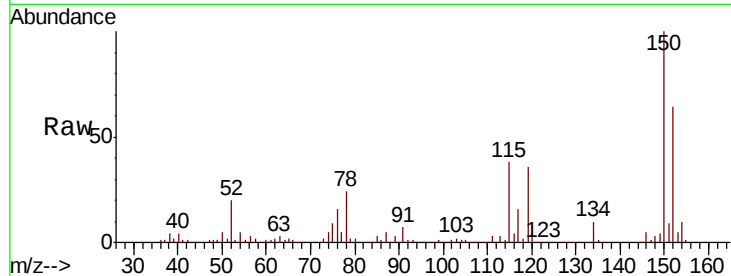
115 78.0 39.4 118.1

150 172.1 0.0 346.4

Manual Integrations
APPROVED

MMDadoda

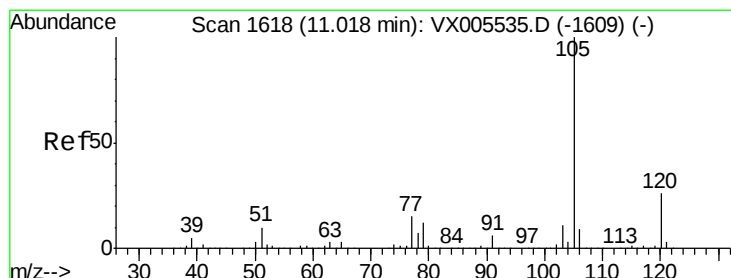
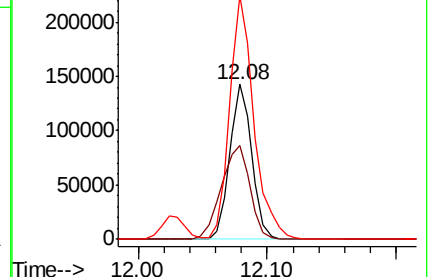
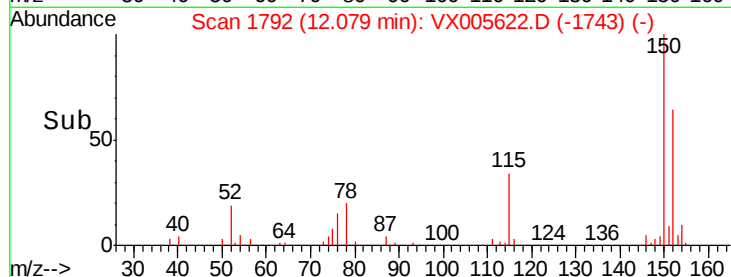
10/29/2018 12:43:41 PM



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: 52.163 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005622.D

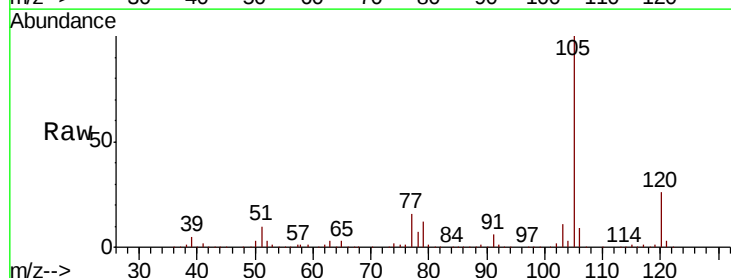
Acq: 26 Oct 2018 22:55

Tgt Ion:105 Resp: 548750

Ion Ratio Lower Upper

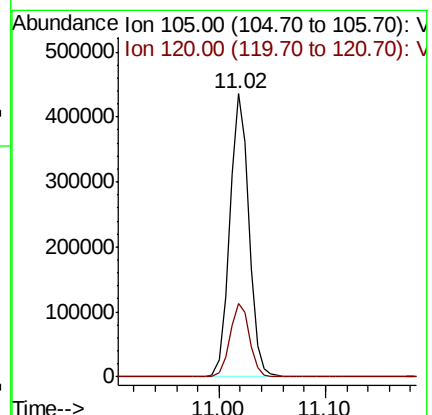
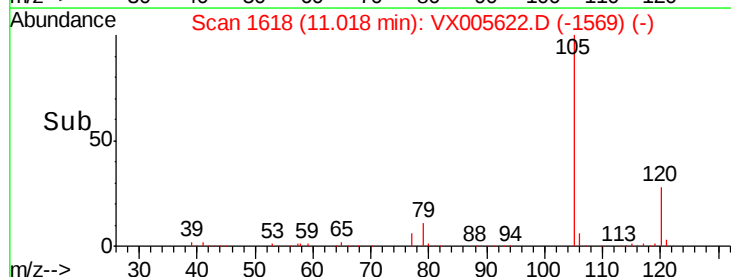
105 100

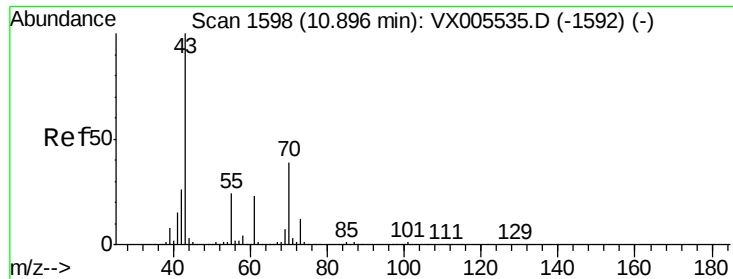
120 26.6 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 48.665 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.01 min

Lab File: VX005622.D

Acq: 26 Oct 2018 22:55

Instrument :

MSVOA_X

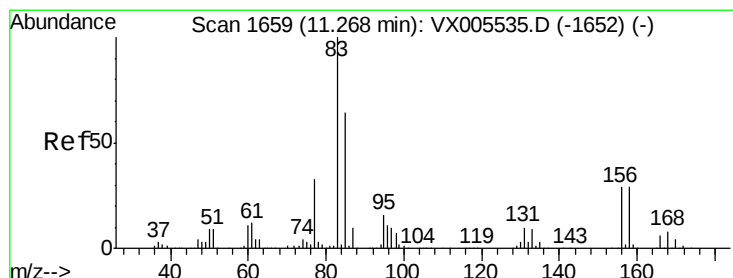
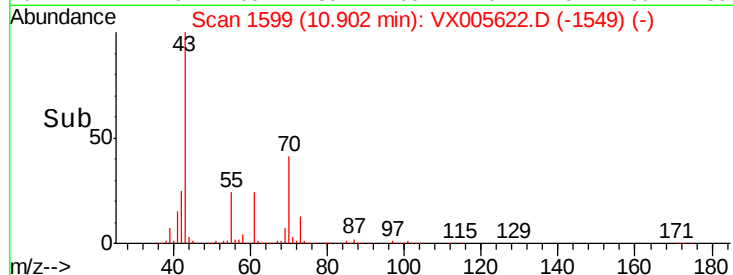
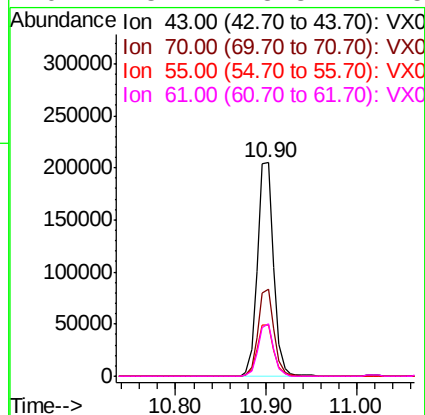
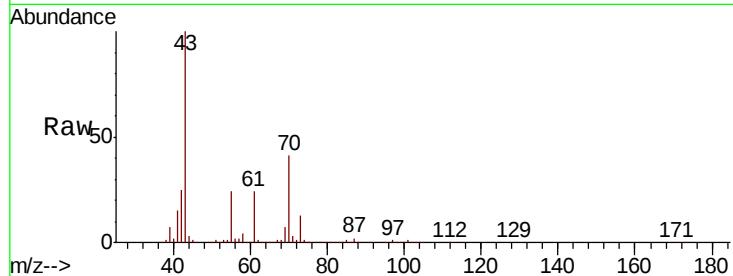
ClientSampleId :

DL-SW-01MS

Tot Ion:	43	Resp:	253674
Ion	Ratio	Lower	Upper
43	100		
70	40.2	31.6	47.4
55	24.3	19.7	29.5
61	23.4	18.3	27.5

Manual Integrations
APPROVED

MMDadoda
10/29/2018 12:43:41 PM



#75

1,1,2,2-Tetrachloroethane

Concen: 49.066 ug/l

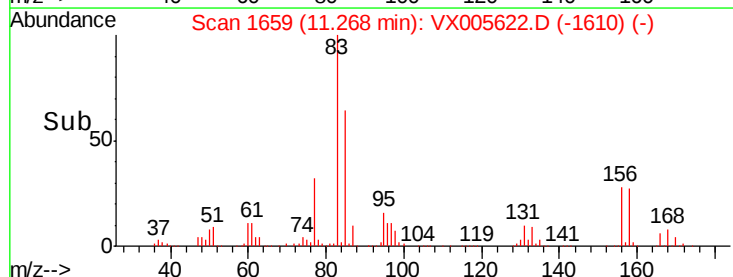
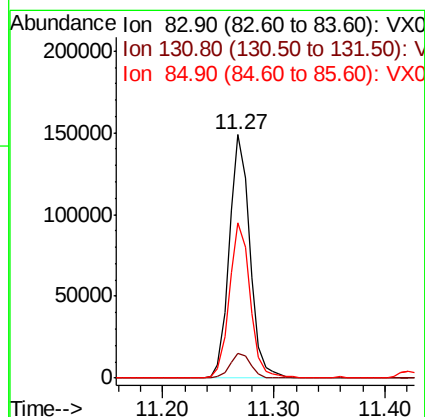
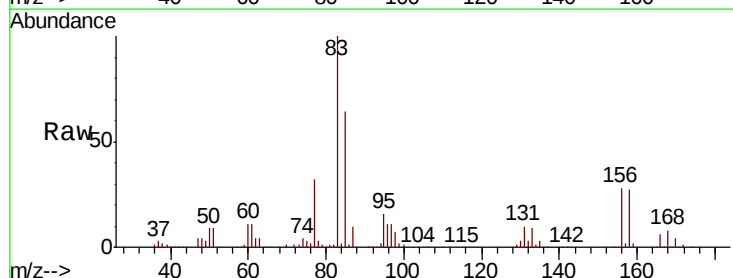
RT: 11.27 min Scan# 1659

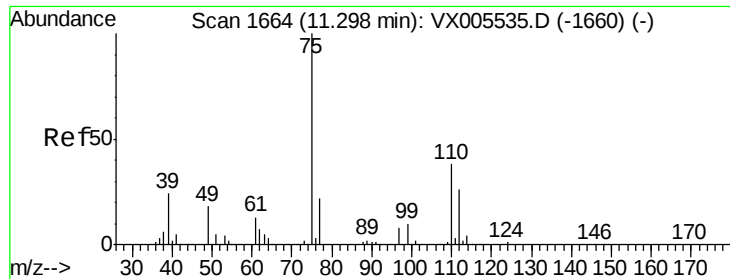
Delta R.T. -0.00 min

Lab File: VX005622.D

Acq: 26 Oct 2018 22:55

Tgt Ion:	83	Resp:	190431
Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.3	15.9
85	64.4	32.0	96.2





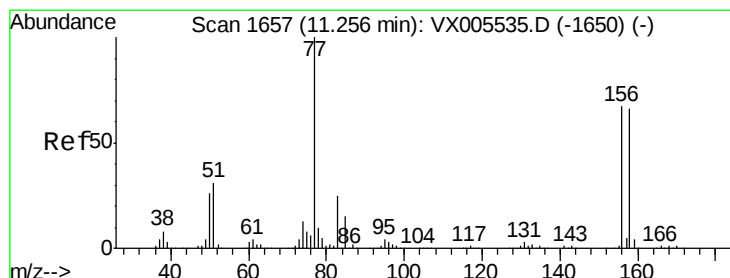
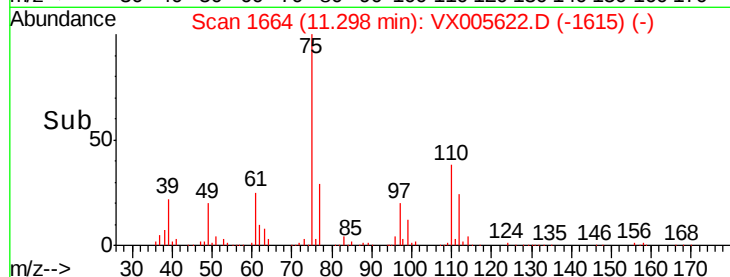
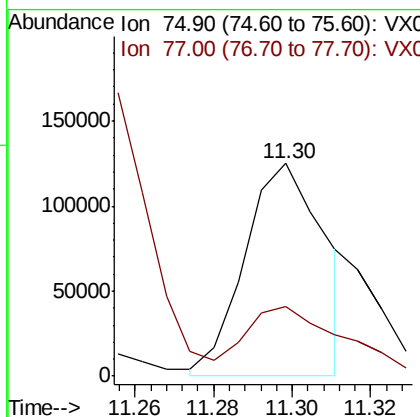
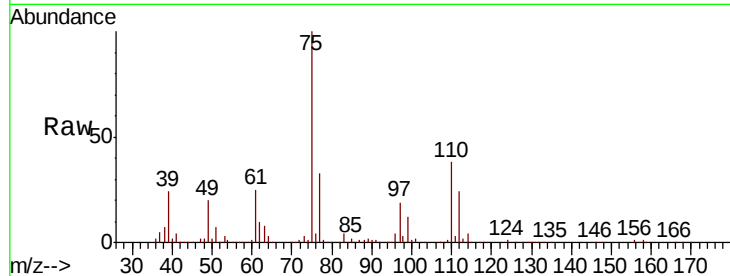
#76
 1,2,3-Trichloropropane
 Concen: 47.933 ug/l m
 RT: 11.30 min Scan# 1664
 Delta R.T. -0.00 min
 Lab File: VX005622.D
 Acq: 26 Oct 2018 22:55

Instrument :
 MSVOA_X
 ClientSampleId :
 DL-SW-01MS

Tot Ion: 75 Resp: 174781
 Ion Ratio Lower Upper
 75 100
 77 40.4 20.5 61.6

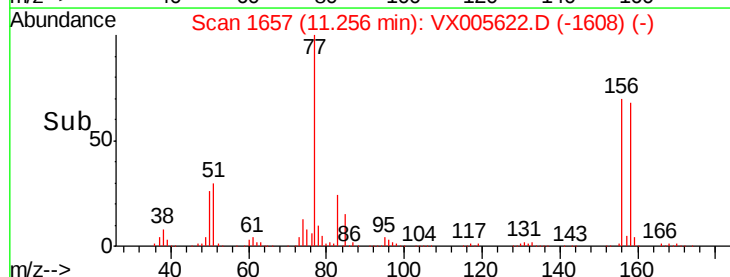
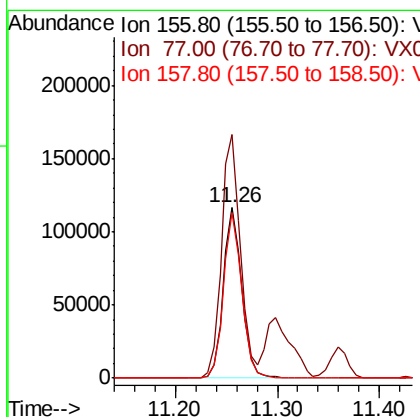
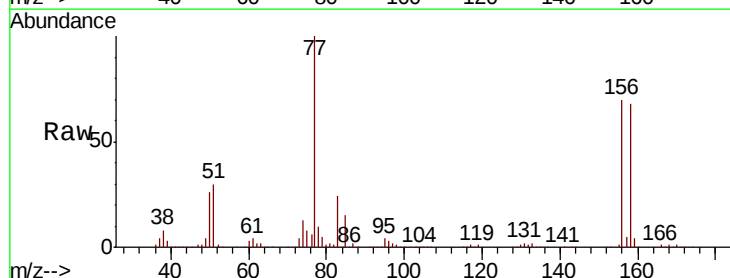
Manual Integrations
 APPROVED

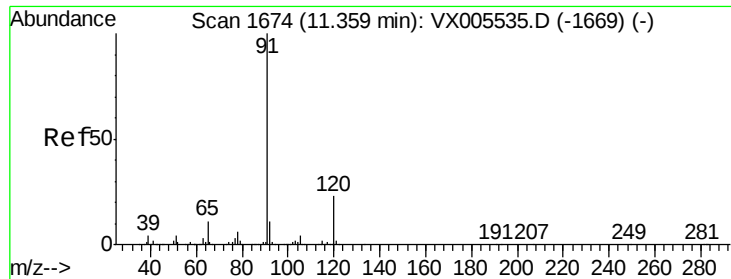
MMDadoda
 10/29/2018 12:43:41 PM



#77
 Bromobenzene
 Concen: 50.137 ug/l
 RT: 11.26 min Scan# 1657
 Delta R.T. -0.00 min
 Lab File: VX005622.D
 Acq: 26 Oct 2018 22:55

Tgt Ion: 156 Resp: 146992
 Ion Ratio Lower Upper
 156 100
 77 146.7 74.8 224.4
 158 96.4 49.1 147.3





#78

n-propylbenzene

Concen: 51.892 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005622.D

Acq: 26 Oct 2018 22:55

Instrument :

MSVOA_X

ClientSampleId :

DL-SW-01MS

Tot Ion: 91 Resp: 624223

Ion Ratio Lower Upper

91 100

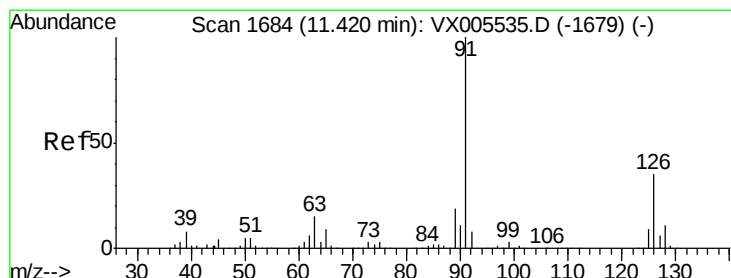
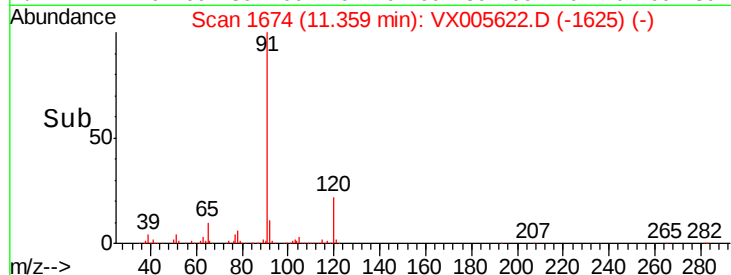
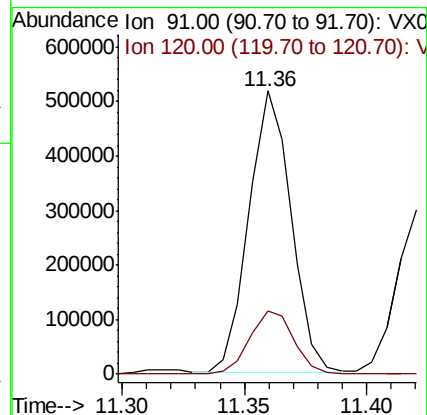
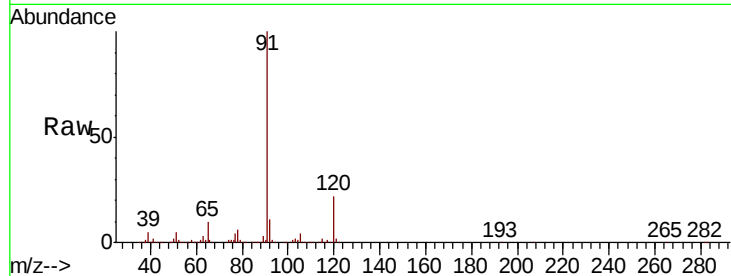
120 23.7 11.9 35.5

Manual Integrations

APPROVED

MMDadoda

10/29/2018 12:43:41 PM



#79

2-Chlorotoluene

Concen: 50.132 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX005622.D

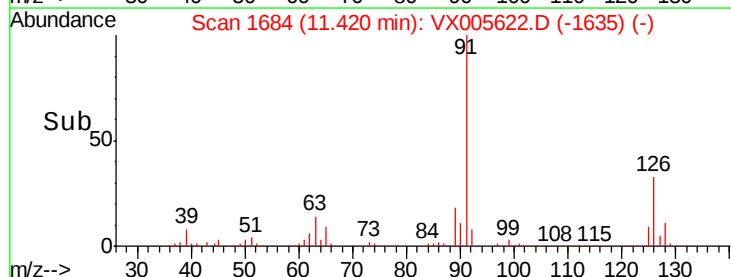
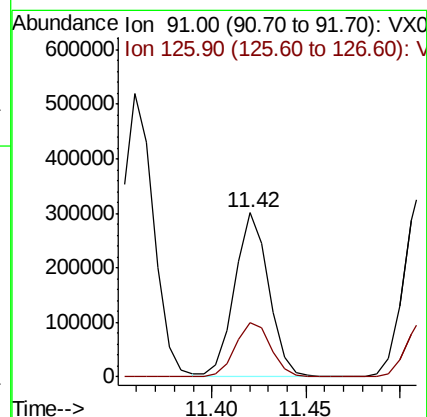
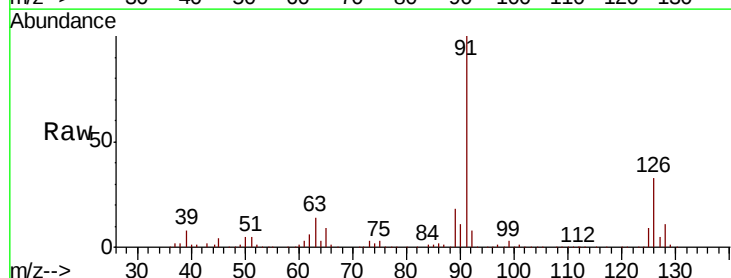
Acq: 26 Oct 2018 22:55

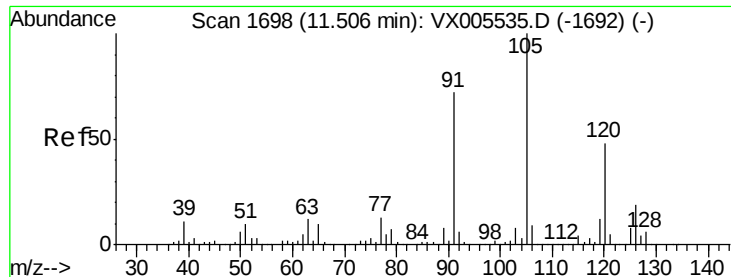
Tgt Ion: 91 Resp: 373906

Ion Ratio Lower Upper

91 100

126 34.9 17.3 52.0





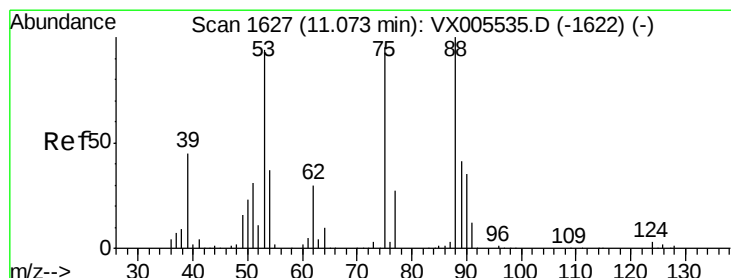
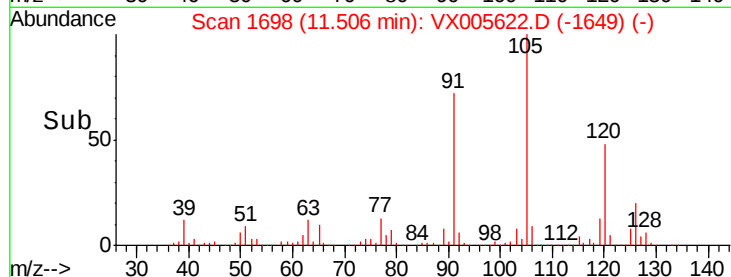
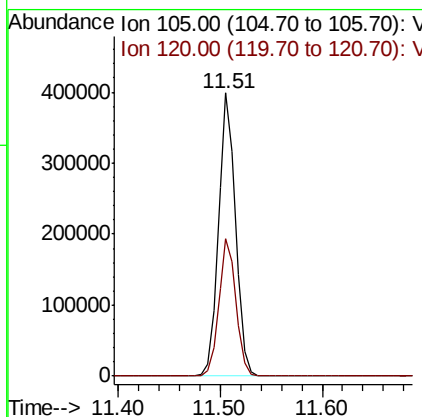
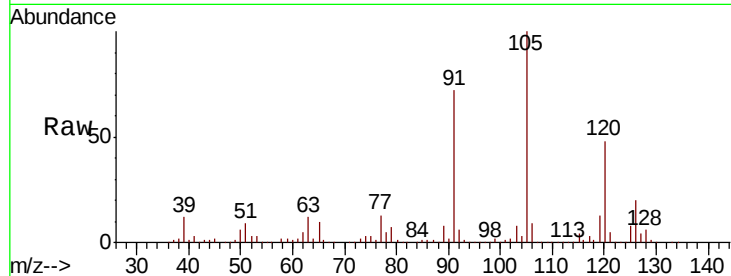
#80
 1,3,5-Trimethylbenzene
 Concen: 51.951 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX005622.D
 Acq: 26 Oct 2018 22:55

Instrument :
 MSVOA_X
 ClientSampleId :
 DL-SW-01MS

Tot Ion:105 Resp: 467529
 Ion Ratio Lower Upper
 105 100
 120 48.6 24.1 72.2

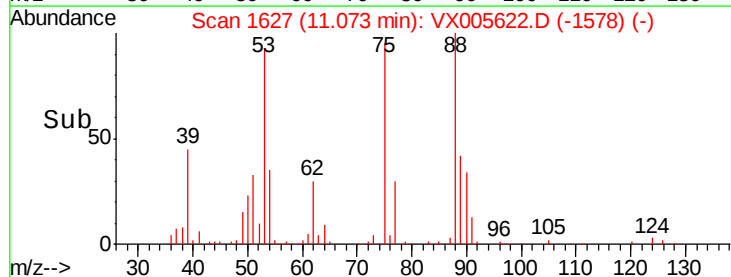
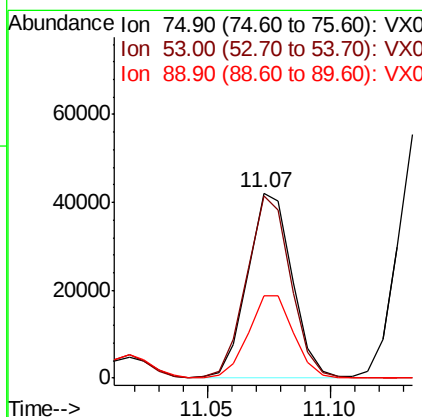
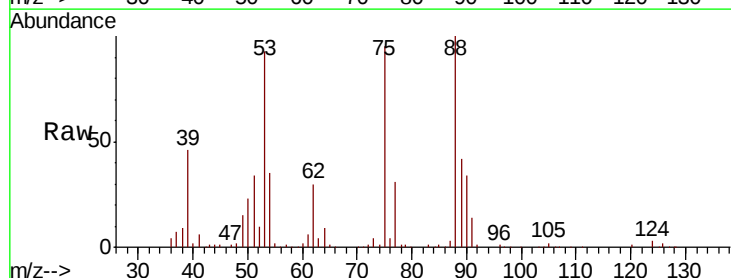
Manual Integrations
 APPROVED

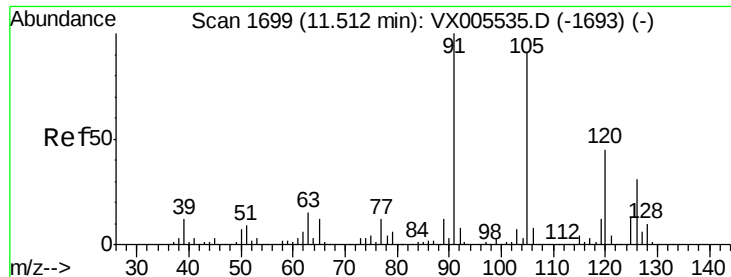
MMDadoda
 10/29/2018 12:43:41 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 47.490 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VX005622.D
 Acq: 26 Oct 2018 22:55

Tgt Ion: 75 Resp: 52996
 Ion Ratio Lower Upper
 75 100
 53 98.1 80.2 120.2
 89 46.0 39.8 59.8





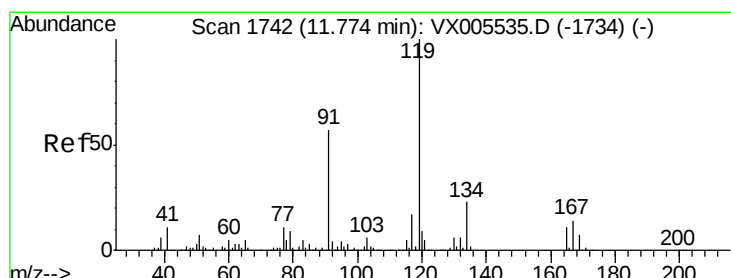
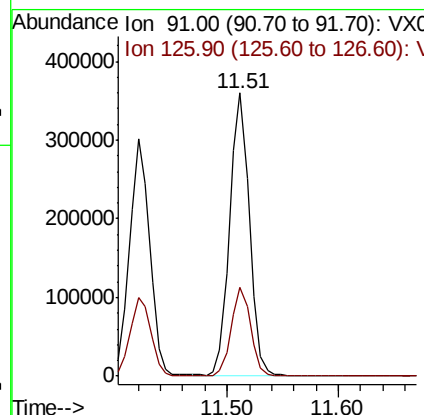
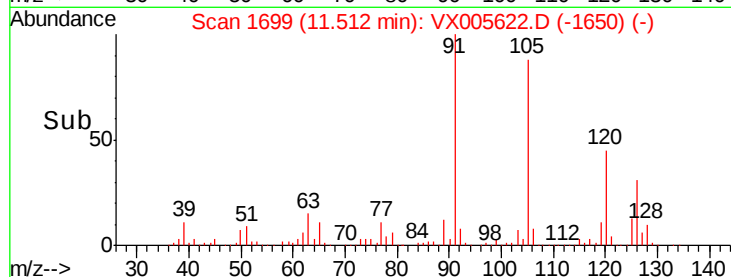
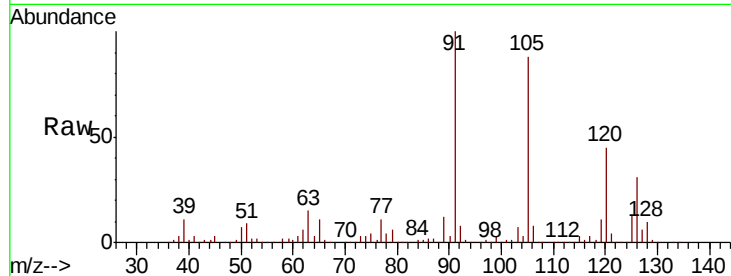
#82
4-Chlorotoluene
Concen: 50.298 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX005622.D
Acq: 26 Oct 2018 22:55

Instrument :
MSVOA_X
ClientSampleId :
DL-SW-01MS

Tot Ion: 91 Resp: 442360
Ion Ratio Lower Upper
91 100
126 30.8 15.2 45.6

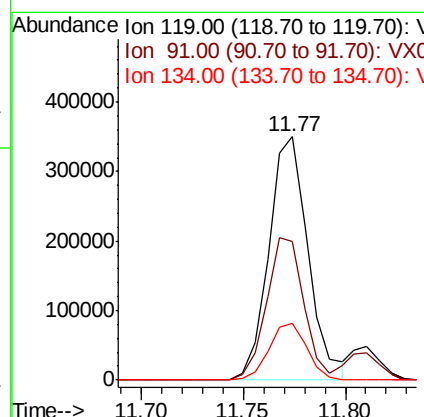
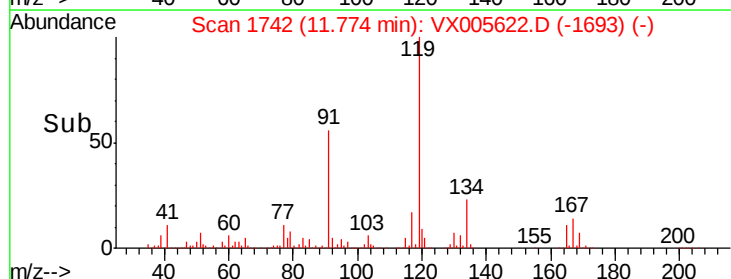
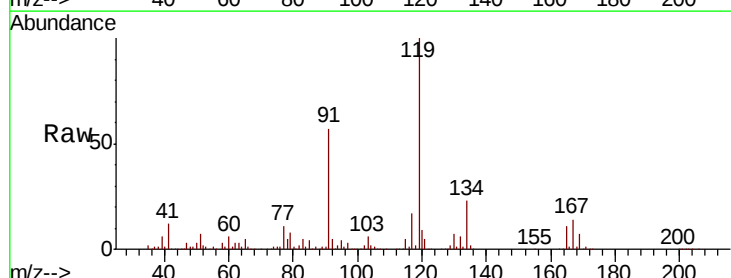
Manual Integrations
APPROVED

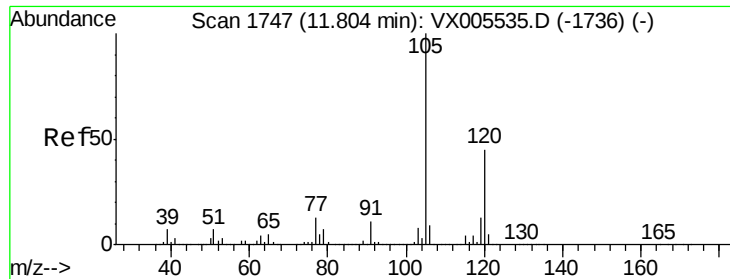
MMDadoda
10/29/2018 12:43:41 PM



#83
tert-Butylbenzene
Concen: 52.392 ug/l
RT: 11.77 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX005622.D
Acq: 26 Oct 2018 22:55

Tgt Ion: 119 Resp: 469983
Ion Ratio Lower Upper
119 100
91 56.0 28.5 85.5
134 22.6 11.3 33.8





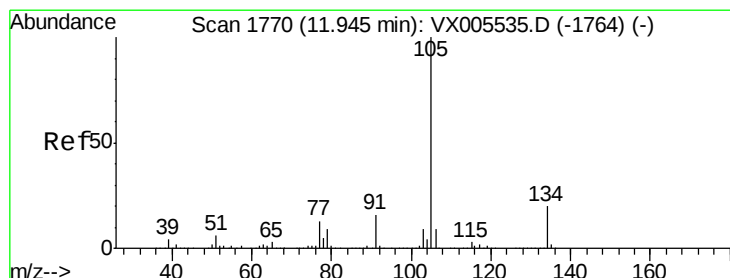
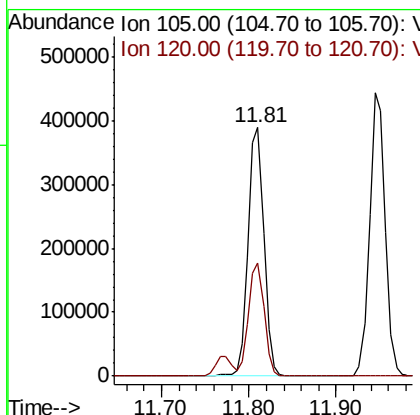
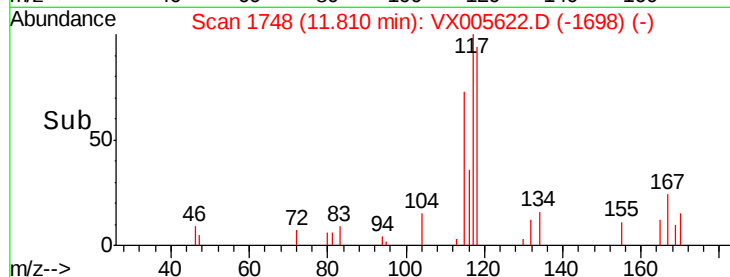
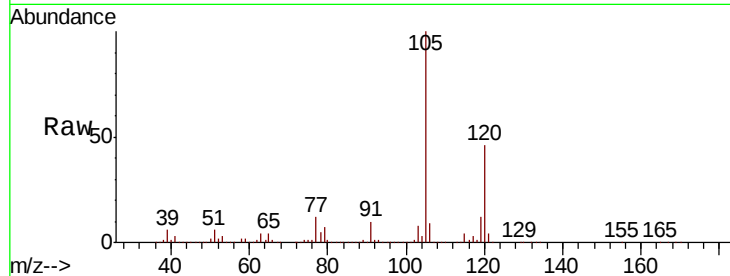
#84
 1,2,4-Trimethylbenzene
 Concen: 53.200 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.01 min
 Lab File: VX005622.D
 Acq: 26 Oct 2018 22:55

Instrument :
 MSVOA_X
 ClientSampleId :
 DL-SW-01MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.4	67.0

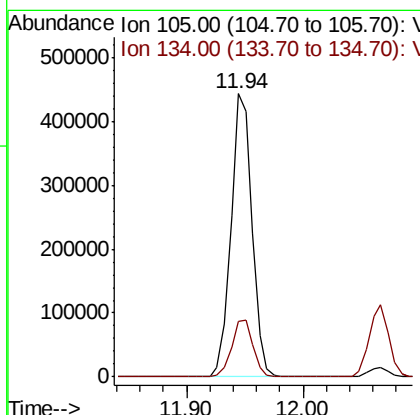
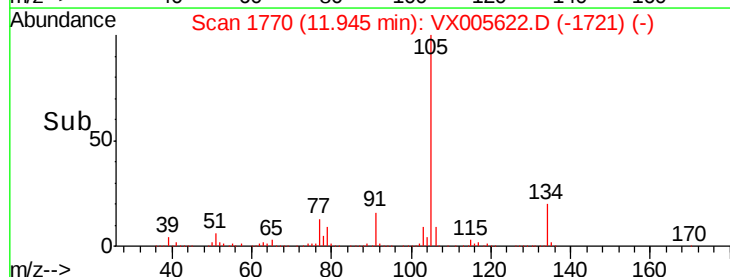
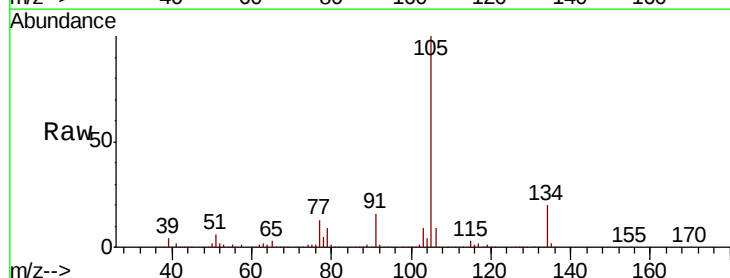
Manual Integrations
 APPROVED

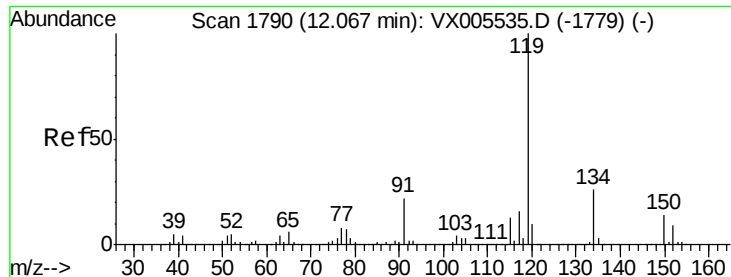
MMDadoda
 10/29/2018 12:43:41 PM



#85
 sec-Butylbenzene
 Concen: 51.968 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX005622.D
 Acq: 26 Oct 2018 22:55

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.3	10.2	30.4





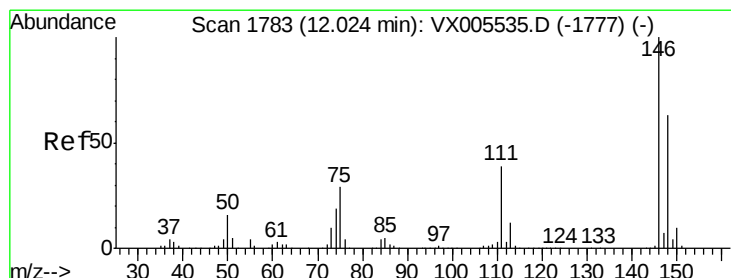
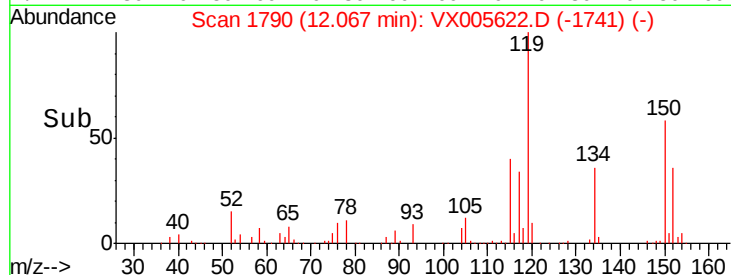
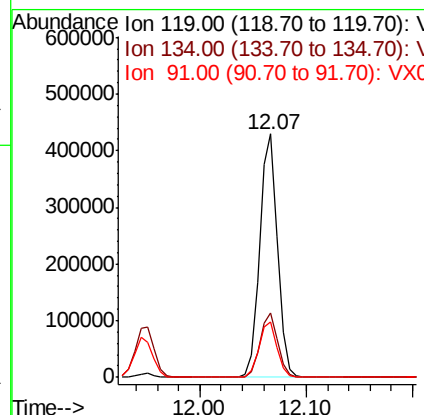
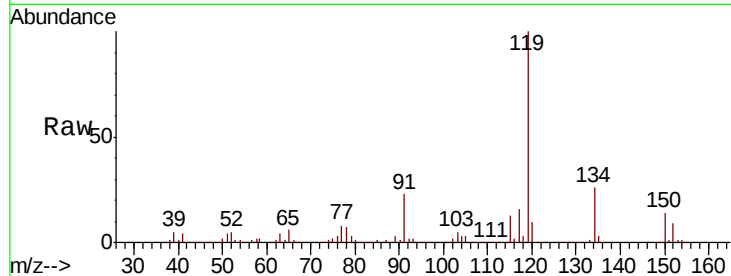
#86
 p-Isopropyltoluene
 Concen: 52.411 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX005622.D
 Acq: 26 Oct 2018 22:55

Instrument :
 MSVOA_X
 ClientSampleId :
 DL-SW-01MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	501515		
134	26.4	13.0	39.0	
91	23.3	11.4	34.2	

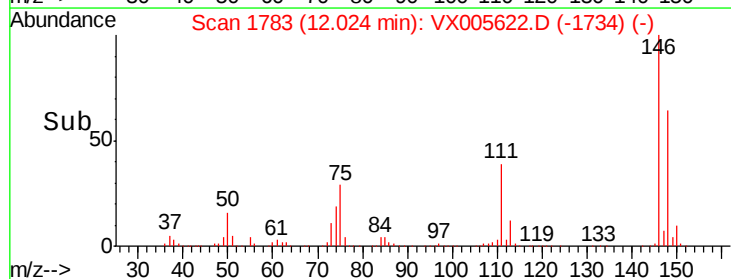
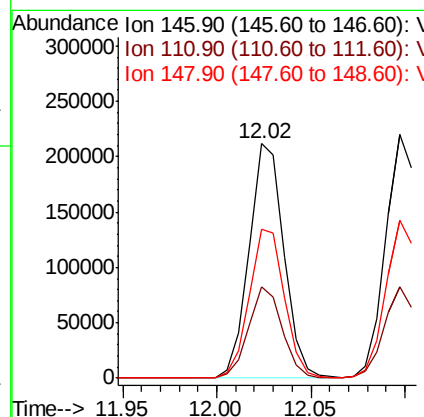
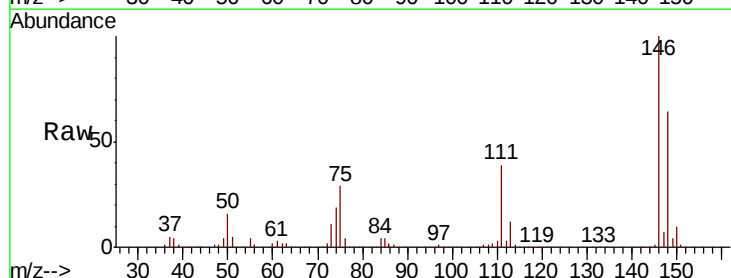
Manual Integrations
 APPROVED

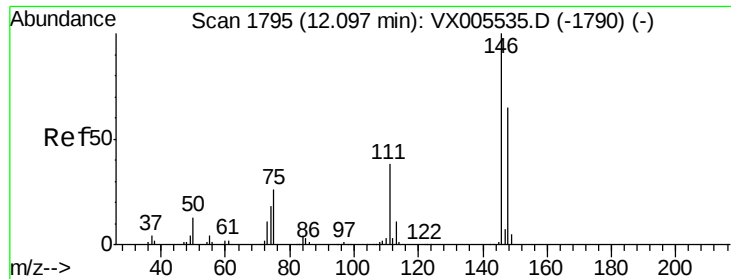
MMDadoda
 10/29/2018 12:43:41 PM



#87
 1,3-Dichlorobenzene
 Concen: 49.084 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX005622.D
 Acq: 26 Oct 2018 22:55

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	270610		
111	37.8	19.0	57.0	
148	64.3	31.9	95.9	





#88

1,4-Dichlorobenzene

Concen: 47.640 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX005622.D

Acq: 26 Oct 2018 22:55

Instrument :

MSVOA_X

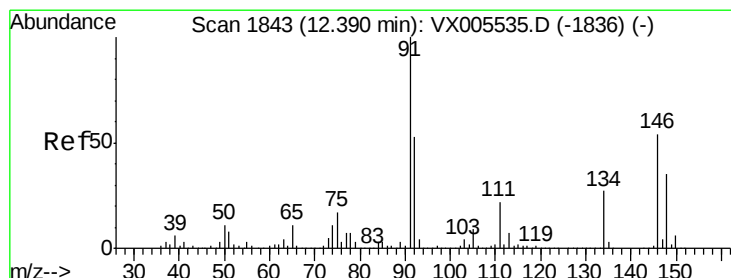
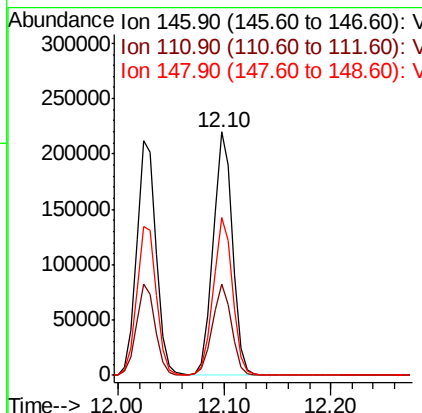
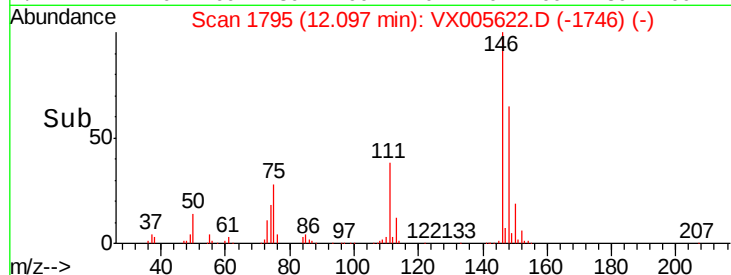
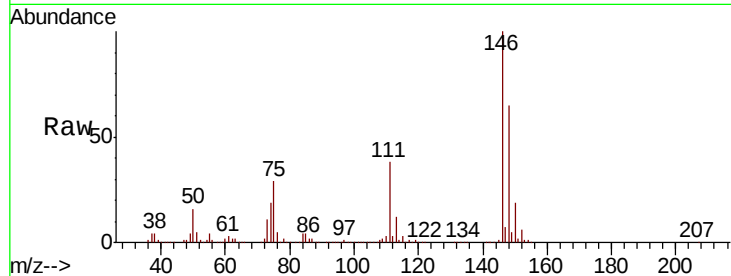
ClientSampleId :

DL-SW-01MS

Tot Ion:	146	Resp:	274159
Ion Ratio	Lower	Upper	
146	100		
111	37.3	18.6	55.8
148	64.5	32.1	96.3

Manual Integrations
APPROVED

MMDadoda
10/29/2018 12:43:41 PM



#89

n-Butylbenzene

Concen: 50.710 ug/l

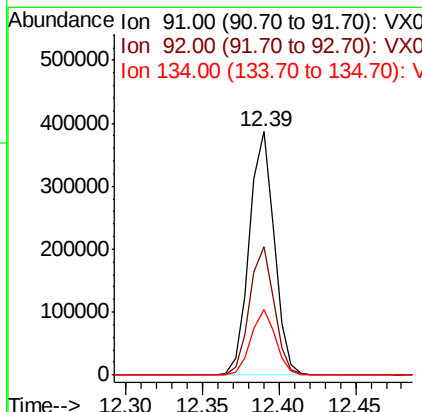
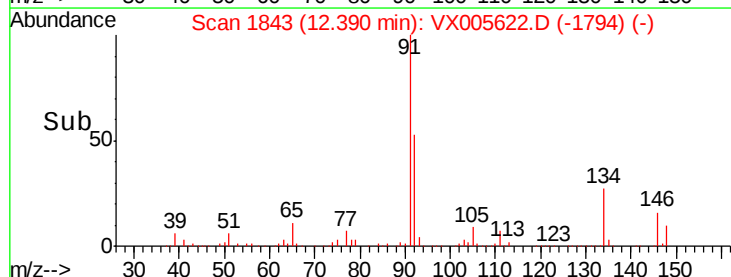
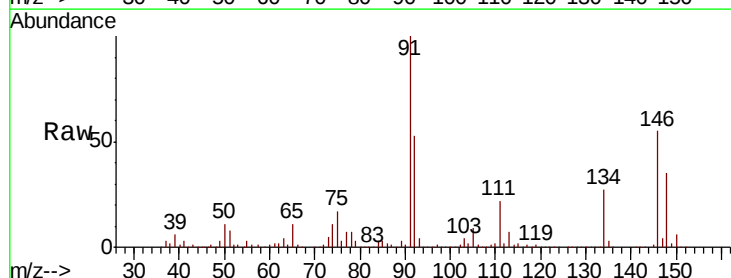
RT: 12.39 min Scan# 1843

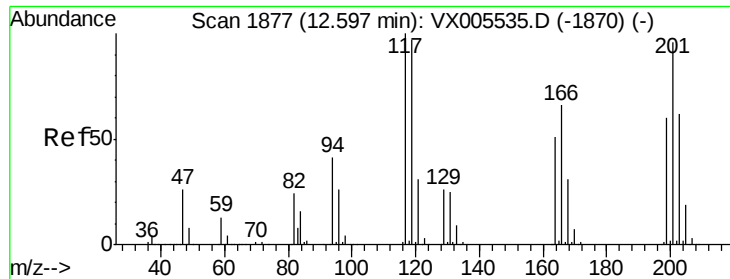
Delta R.T. -0.00 min

Lab File: VX005622.D

Acq: 26 Oct 2018 22:55

Tgt Ion:	91	Resp:	438062
Ion Ratio	Lower	Upper	
91	100		
92	52.4	26.1	78.2
134	26.5	13.1	39.3





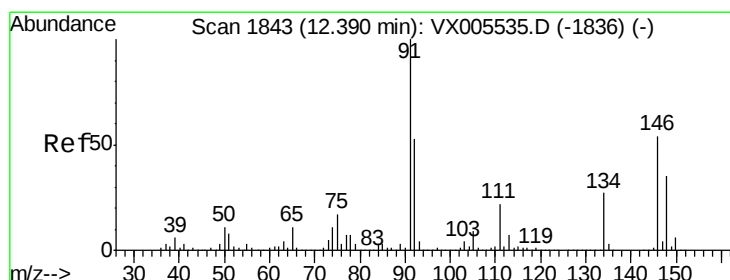
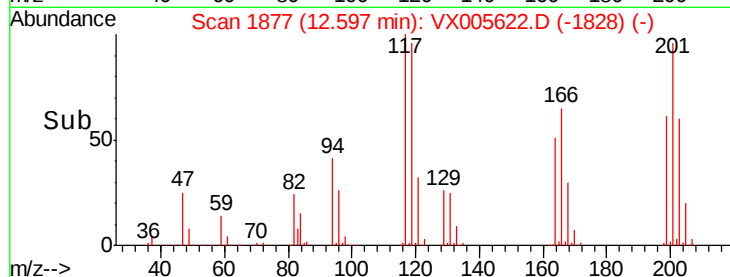
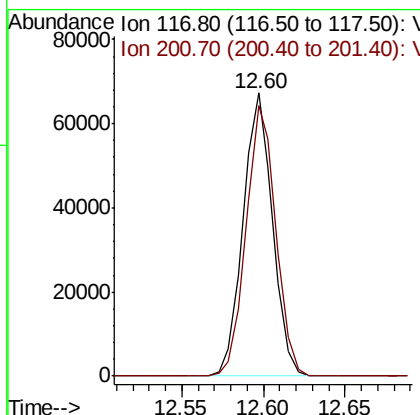
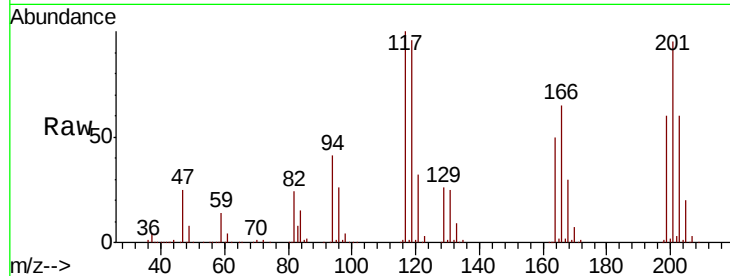
#90
Hexachloroethane
Concen: 51.107 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005622.D
Acq: 26 Oct 2018 22:55

Instrument :
MSVOA_X
ClientSampleId :
DL-SW-01MS

Tot Ion:117 Resp: 84345
Ion Ratio Lower Upper
117 100
201 96.7 47.9 143.6

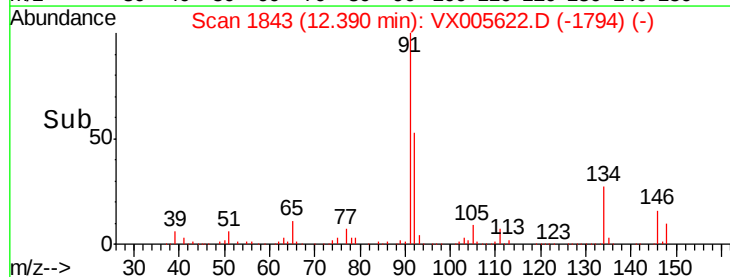
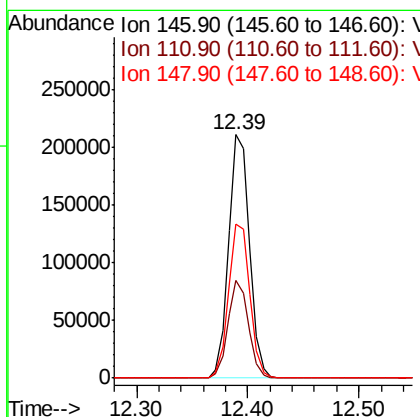
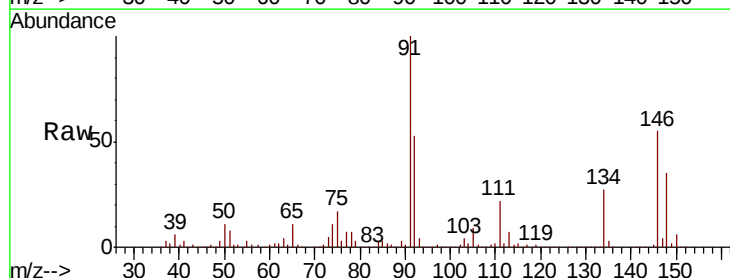
Manual Integrations
APPROVED

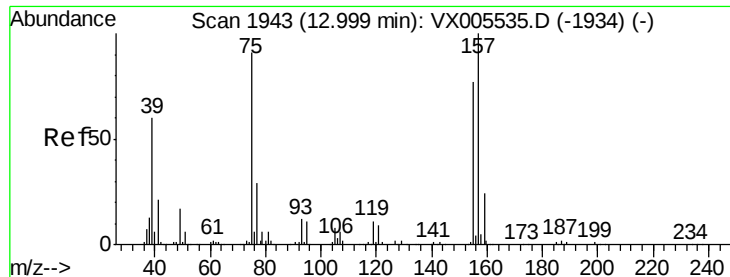
MMDadoda
10/29/2018 12:43:41 PM



#91
1,2-Dichlorobenzene
Concen: 48.964 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005622.D
Acq: 26 Oct 2018 22:55

Tgt Ion:146 Resp: 273118
Ion Ratio Lower Upper
146 100
111 39.3 20.0 59.9
148 64.5 32.2 96.6





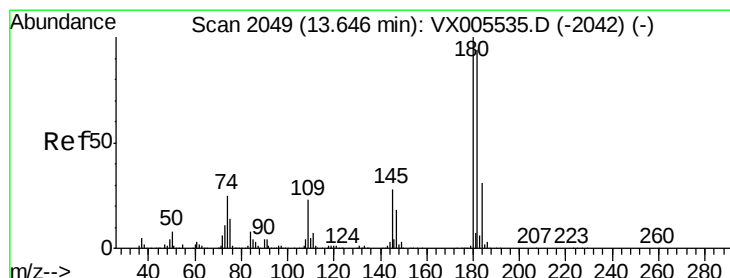
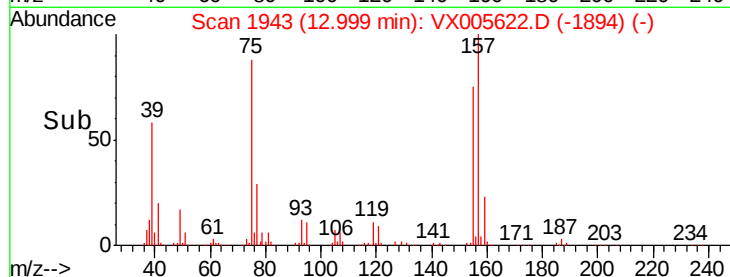
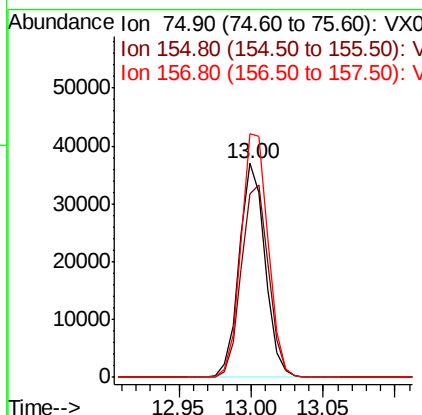
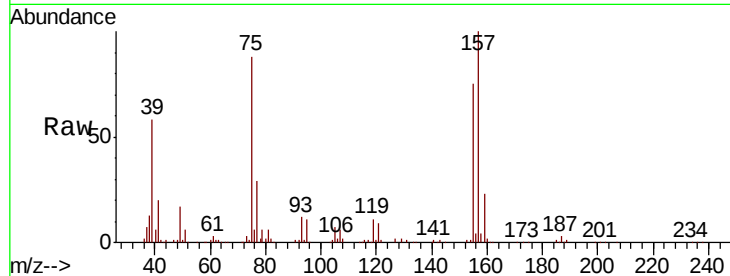
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.181 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX005622.D
 Acq: 26 Oct 2018 22:55

Instrument :
 MSVOA_X
 ClientSampleId :
 DL-SW-01MS

Tot Ion: 75 Resp: 46153
 Ion Ratio Lower Upper
 75 100
 155 94.3 45.4 136.1
 157 118.7 57.4 172.0

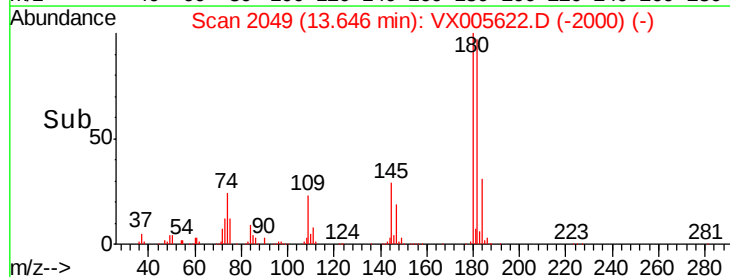
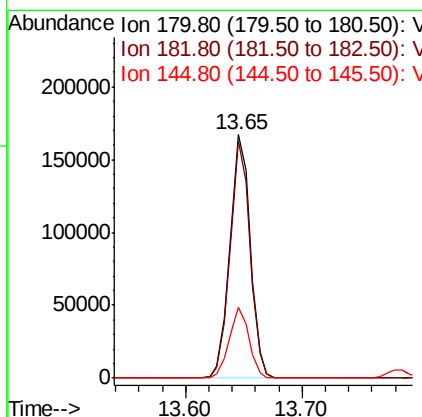
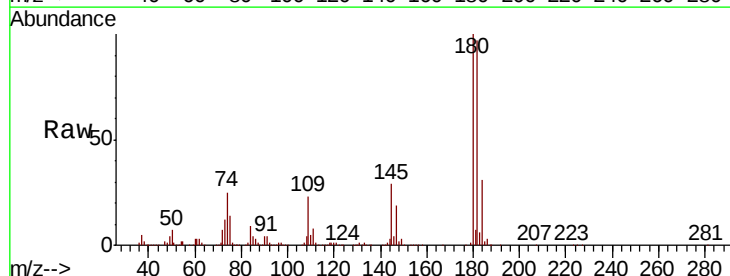
Manual Integrations
 APPROVED

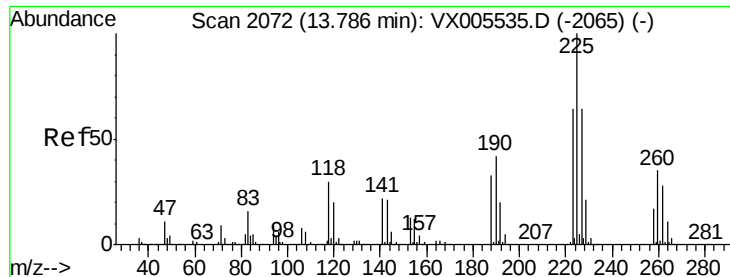
MMDadoda
 10/29/2018 12:43:41 PM



#93
 1,2,4-Trichlorobenzene
 Concen: 50.372 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005622.D
 Acq: 26 Oct 2018 22:55

Tgt Ion: 180 Resp: 203673
 Ion Ratio Lower Upper
 180 100
 182 95.6 47.6 142.8
 145 28.2 14.1 42.2





#94

Hexachlorobutadiene

Concen: 46.407 ug/l

RT: 13.79 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VX005622.D

Acq: 26 Oct 2018 22:55

Instrument :

MSVOA_X

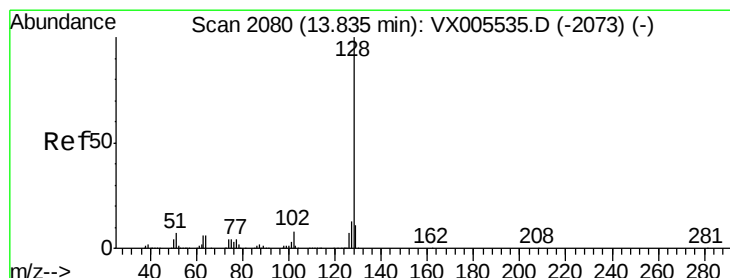
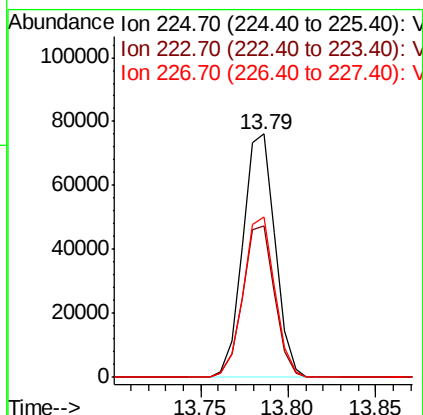
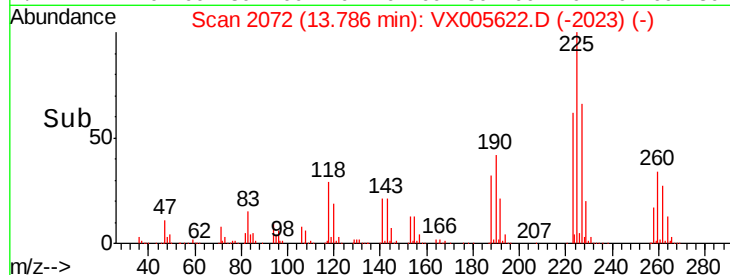
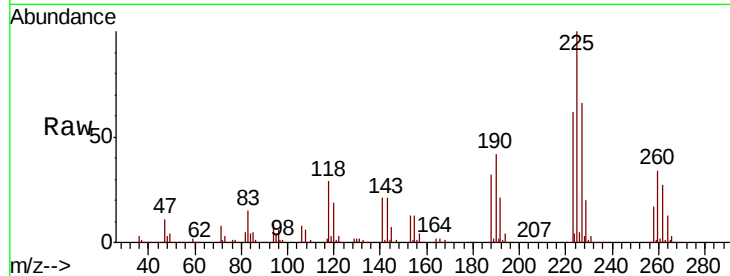
ClientSampleId :

DL-SW-01MS

Tot Ion:	225	Resp:	97240
Ion Ratio	Lower	Upper	
225	100		
223	61.4	31.7	95.1
227	64.3	32.3	96.9

Manual Integrations
APPROVED

MMDadoda
10/29/2018 12:43:41 PM



#95

Naphthalene

Concen: 54.630 ug/l

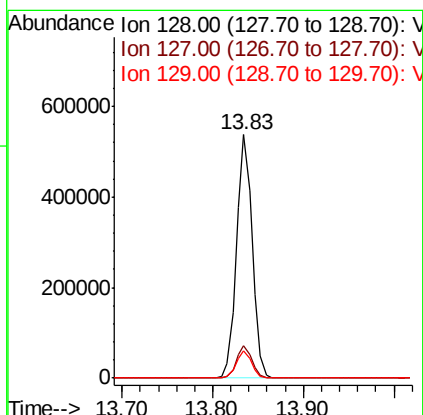
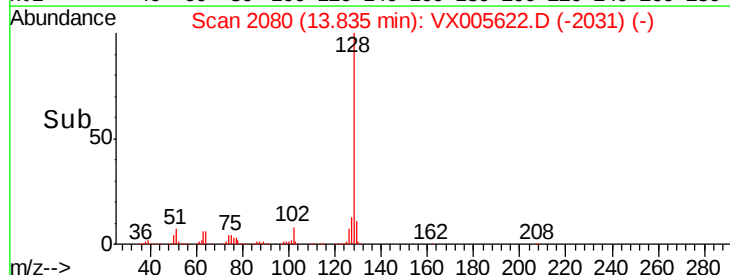
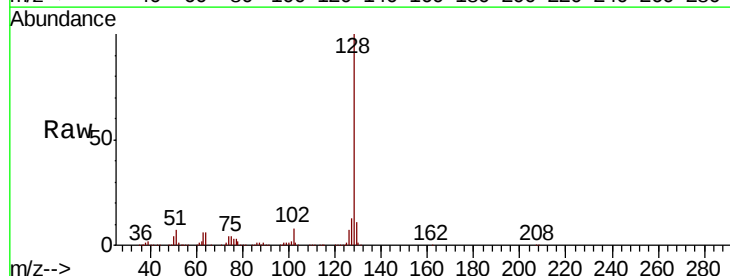
RT: 13.83 min Scan# 2080

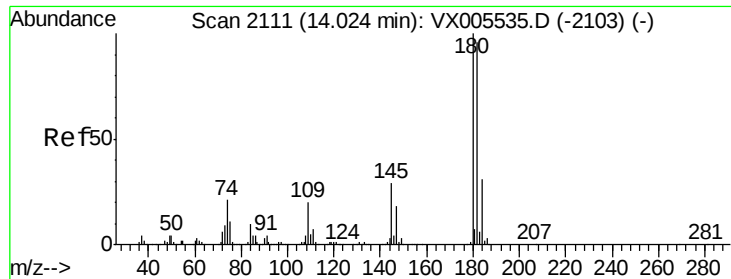
Delta R.T. -0.00 min

Lab File: VX005622.D

Acq: 26 Oct 2018 22:55

Tgt Ion:	128	Resp:	642080
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	11.0	8.7	13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 51.158 ug/l
 RT: 14.02 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: VX005622.D
 Acq: 26 Oct 2018 22:55

Instrument :
 MSVOA_X
 ClientSampleId :
 DL-SW-01MS

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	96.6	48.0	144.2
145	29.8	15.1	45.3

Manual Integrations
 APPROVED

MMDadoda
 10/29/2018 12:43:41 PM

