

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111618\
 Data File : VX006059.D
 Acq On : 16 Nov 2018 19:21
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/19/2018 12:22:58 PM

Quant Time: Nov 17 02:55:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	115514	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	171255	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	156295	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	75569	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	69846	52.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.20%	
35) Dibromofluoromethane	5.50	113	57022	48.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.90%	
50) Toluene-d8	8.72	98	204616	52.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.68%	
62) 4-Bromofluorobenzene	11.14	95	70530	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	50609	48.593	ug/l	97
3) Chloromethane	1.32	50	59286	43.375	ug/l	91
4) Vinyl Chloride	1.40	62	63074	45.967	ug/l	97
5) Bromomethane	1.64	94	31539	37.559	ug/l	94
6) Chloroethane	1.71	64	45099	55.084	ug/l	99
7) Trichlorofluoromethane	1.92	101	89047	48.890	ug/l	91
8) Diethyl Ether	2.19	74	39040	54.702	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	52320	49.946	ug/l	99
10) Methyl Iodide	2.51	142	51174	40.308	ug/l	97
11) Tert butyl alcohol	3.07	59	103007	270.771	ug/l	99
12) 1,1-Dichloroethene	2.37	96	50005	48.976	ug/l	98
13) Acrolein	2.29	56	53238	290.167	ug/l	99
14) Allyl chloride	2.73	41	112053	49.138	ug/l	98
15) Acrylonitrile	3.15	53	214613	272.221	ug/l	98
16) Acetone	2.45	43	194985	272.699	ug/l	96
17) Carbon Disulfide	2.57	76	123780	40.644	ug/l	99
18) Methyl Acetate	2.78	43	113788	59.670	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	193737	55.595	ug/l	96
20) Methylene Chloride	2.85	84	59209	50.411	ug/l	94
21) trans-1,2-Dichloroethene	3.16	96	52842	49.068	ug/l	92
22) Diisopropyl ether	3.87	45	213043	53.332	ug/l #	88
23) Vinyl Acetate	3.82	43	914002	266.856	ug/l	99
24) 1,1-Dichloroethane	3.70	63	111637	52.382	ug/l	98
25) 2-Butanone	4.70	43	303009	269.551	ug/l	99
26) 2,2-Dichloropropane	4.57	77	78998	50.531	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	64719	54.426	ug/l	97
28) Bromochloromethane	5.01	49	54238	56.944	ug/l	96
29) Tetrahydrofuran	5.15	42	196910	272.814	ug/l	98
30) Chloroform	5.22	83	110368	53.677	ug/l	99
31) Cyclohexane	5.57	56	89495	48.376	ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	90884	52.993	ug/l	98
36) 1,1-Dichloropropene	5.80	75	77720	47.076	ug/l	99
37) Ethyl Acetate	4.85	43	109349	50.368	ug/l	99
38) Carbon Tetrachloride	5.78	117	76637	46.369	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111618\
 Data File : VX006059.D
 Acq On : 16 Nov 2018 19:21
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/19/2018 12:22:58 PM

Quant Time: Nov 17 02:55:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	79060	47.249	ug/l	87
40) Benzene	6.14	78	244131	50.725	ug/l	98
41) Methacrylonitrile	5.06	41	61749	52.637	ug/l	98
42) 1,2-Dichloroethane	6.20	62	85041	49.332	ug/l	98
43) Isopropyl Acetate	6.46	43	162968	51.804	ug/l	97
44) Trichloroethene	7.21	130	58613	47.955	ug/l	91
45) 1,2-Dichloropropane	7.51	63	60899	52.132	ug/l	97
46) Dibromomethane	7.66	93	36277	49.489	ug/l	100
47) Bromodichloromethane	7.90	83	70585	50.952	ug/l	91
48) Methyl methacrylate	7.77	41	74406	52.675	ug/l	98
49) 1,4-Dioxane	7.75	88	32505	1067.902	ug/l	100
51) 4-Methyl-2-Pentanone	8.65	43	505393	254.911	ug/l	98
52) Toluene	8.79	92	139829	51.984	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	87162	53.316	ug/l	95
54) cis-1,3-Dichloropropene	8.43	75	86175	51.716	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	67995	56.719	ug/l	86
56) Ethyl methacrylate	9.18	69	96579	53.843	ug/l	97
57) 1,3-Dichloropropane	9.37	76	108633	53.923	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	244687	250.334	ug/l	100
59) 2-Hexanone	9.50	43	466164	266.746	ug/l	95
60) Dibromochloromethane	9.59	129	66295	51.170	ug/l	99
61) 1,2-Dibromoethane	9.67	107	67751	51.110	ug/l	97
64) Tetrachloroethene	9.34	164	63107	47.424	ug/l	93
65) Chlorobenzene	10.14	112	168920	53.949	ug/l	91
66) 1,1,1,2-Tetrachloroethane	10.23	131	62278	57.212	ug/l	99
67) Ethyl Benzene	10.26	91	285205	56.805	ug/l	96
68) m/p-Xylenes	10.36	106	215630	112.594	ug/l	92
69) o-Xylene	10.70	106	95626	55.684	ug/l	95
70) Styrene	10.71	104	170092	60.042	ug/l	98
71) Bromoform	10.86	173	53997	59.174	ug/l	99
73) Isopropylbenzene	11.02	105	255093	58.373	ug/l	100
74) N-amyl acetate	10.90	43	139982	56.911	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	91641	57.132	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	87663m	56.970	ug/l	
77) Bromobenzene	11.26	156	67949	55.165	ug/l	99
78) n-propylbenzene	11.36	91	293230	56.935	ug/l	99
79) 2-Chlorotoluene	11.42	91	174548	56.071	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	217861	58.665	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	28078	58.157	ug/l	94
82) 4-Chlorotoluene	11.51	91	207086	56.445	ug/l	100
83) tert-Butylbenzene	11.77	119	216556	57.641	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	225215	54.965	ug/l	99
85) sec-Butylbenzene	11.94	105	261879	57.001	ug/l	100
86) p-Isopropyltoluene	12.07	119	234986	57.743	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	126067	53.330	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	127530	52.700	ug/l	100
89) n-Butylbenzene	12.39	91	204727	54.281	ug/l	99
90) Hexachloroethane	12.60	117	39325	57.880	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	128608	54.309	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	23101	59.019	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111618\
Data File : VX006059.D
Acq On : 16 Nov 2018 19:21
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

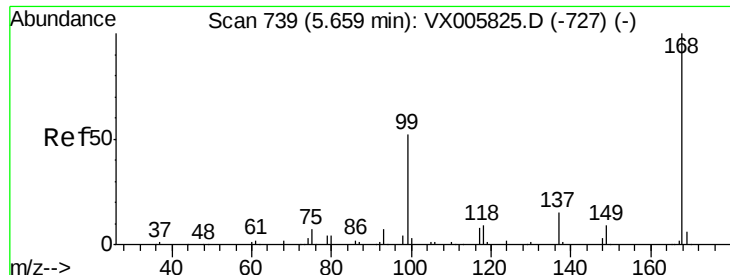
Manual Integrations
APPROVED

MMDadoda
11/19/2018 12:22:58 PM

Quant Time: Nov 17 02:55:06 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 07 14:40:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	95943	57.551	ug/l	100
94) Hexachlorobutadiene	13.79	225	45388	51.830	ug/l	99
95) Naphthalene	13.83	128	302413	55.492	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	98366	57.917	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006059.D

Acq: 16 Nov 2018 19:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 115514

Ion Ratio Lower Upper

168 100

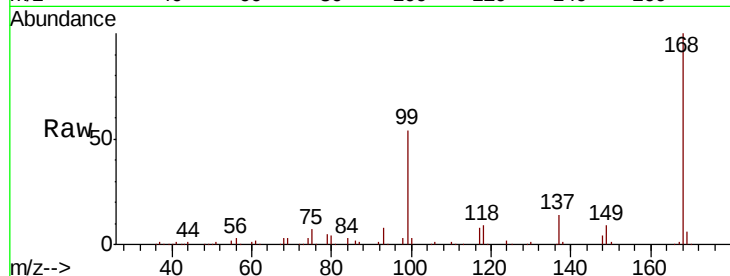
99 53.7 40.7 61.1

Manual Integrations

APPROVED

MMDadoda

11/19/2018 12:22:58 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

40000

30000

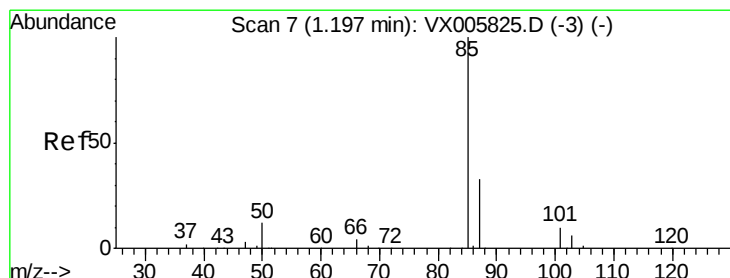
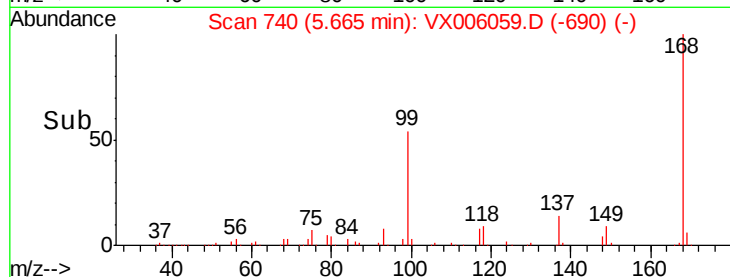
20000

10000

0

5.50 5.60 5.70 5.80 5.90

Time-->



#2

Dichlorodifluoromethane

Concen: 48.593 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX006059.D

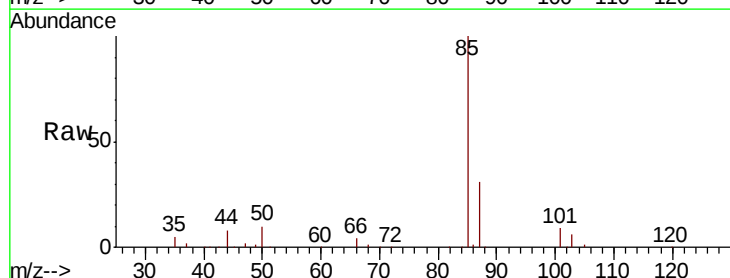
Acq: 16 Nov 2018 19:21

Tgt Ion: 85 Resp: 50609

Ion Ratio Lower Upper

85 100

87 30.9 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

50000

40000

30000

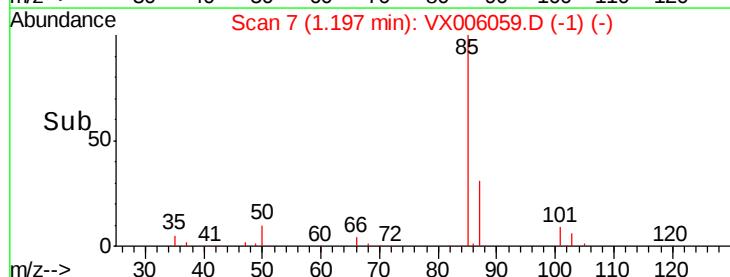
20000

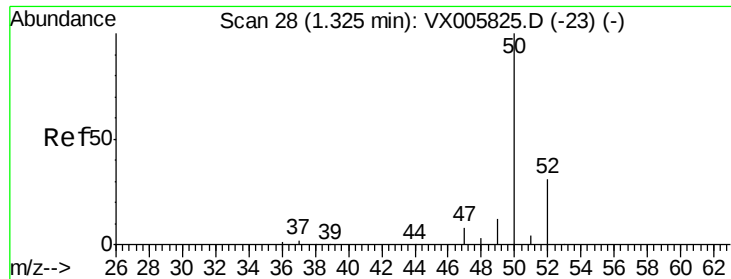
10000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 43.375 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX006059.D

Acq: 16 Nov 2018 19:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 59286

Ion Ratio Lower Upper

50 100

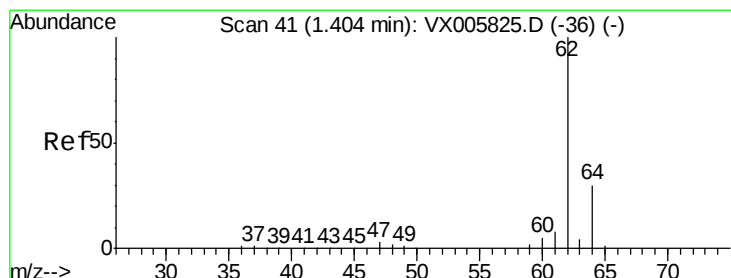
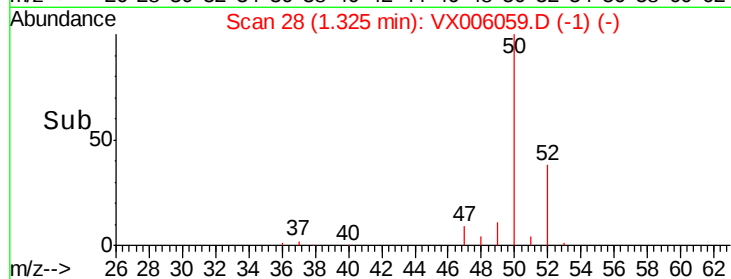
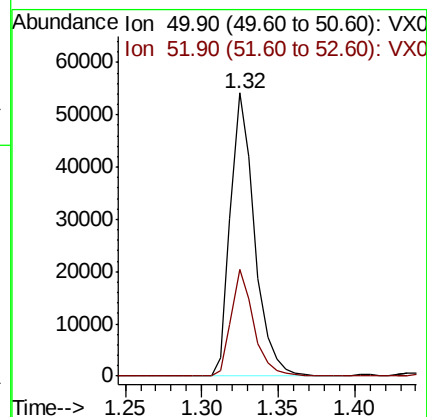
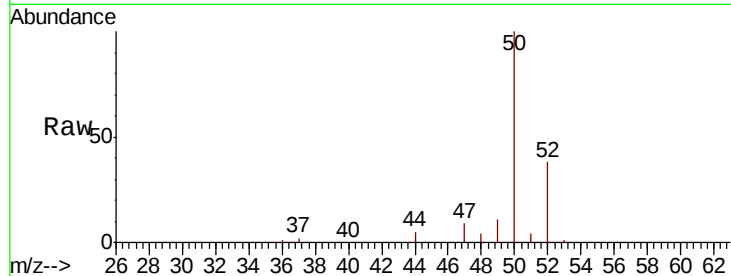
52 37.8 26.2 39.2

Manual Integrations

APPROVED

MMDadoda

11/19/2018 12:22:58 PM



#4

Vinyl Chloride

Concen: 45.967 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX006059.D

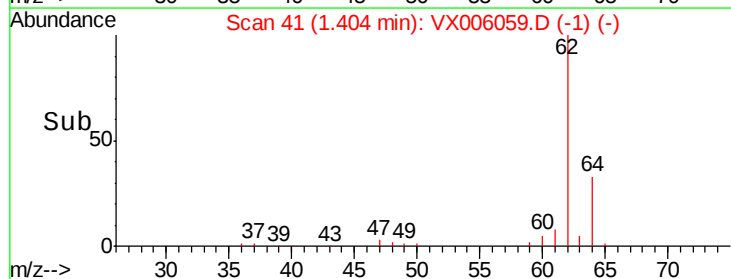
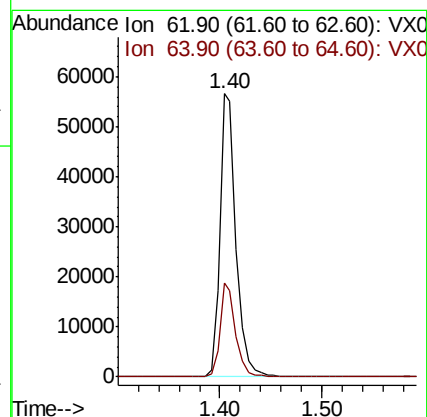
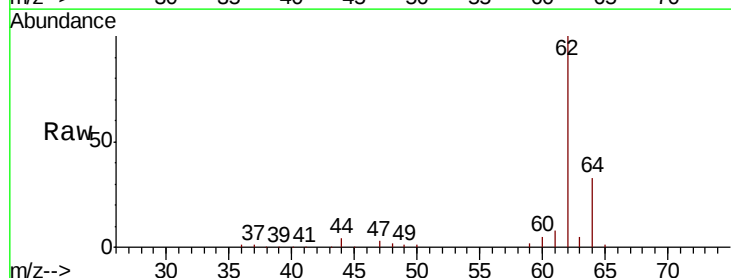
Acq: 16 Nov 2018 19:21

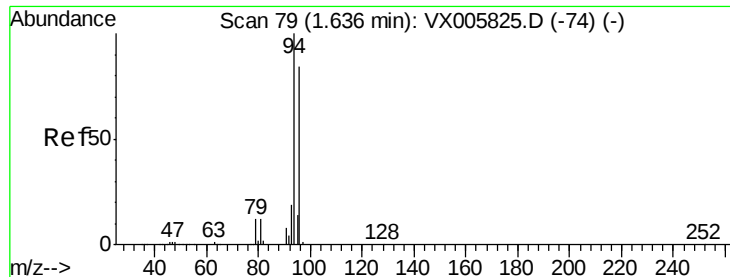
Tgt Ion: 62 Resp: 63074

Ion Ratio Lower Upper

62 100

64 33.3 25.3 37.9





#5

Bromomethane

Concen: 37.559 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX006059.D

Acq: 16 Nov 2018 19:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 31539

Ion Ratio Lower Upper

94 100

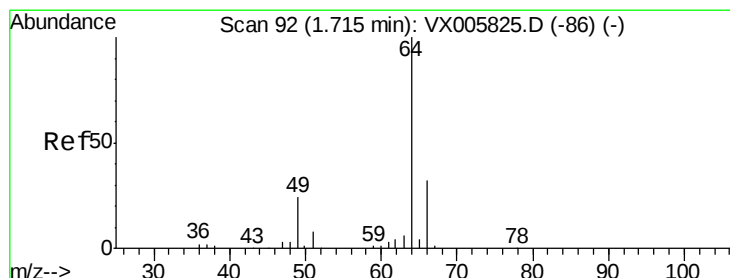
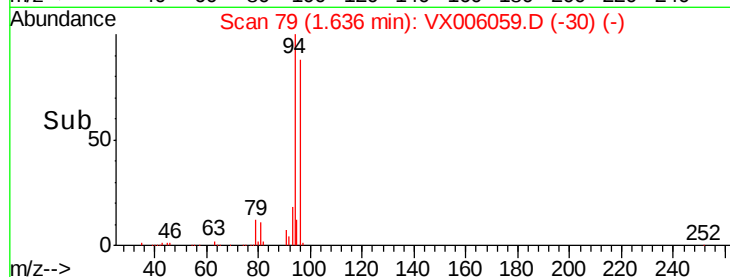
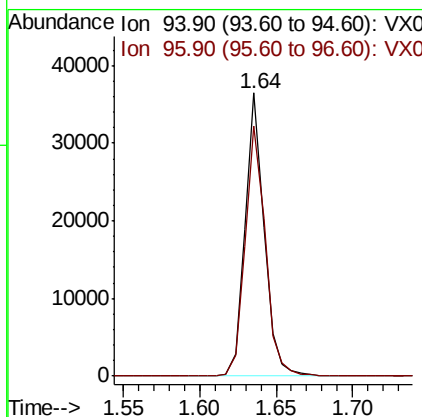
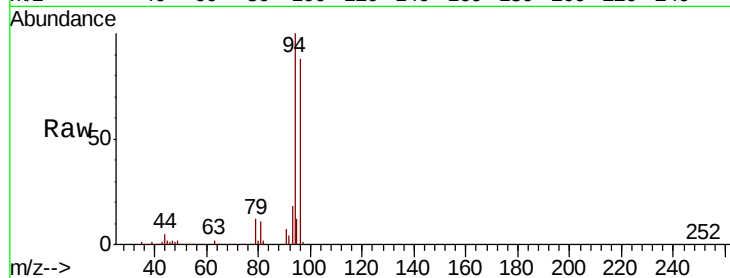
96 88.4 75.2 112.8

Manual Integrations

APPROVED

MMDadoda

11/19/2018 12:22:58 PM



#6

Chloroethane

Concen: 55.084 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX006059.D

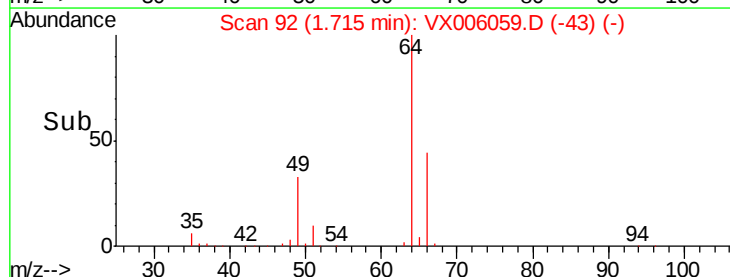
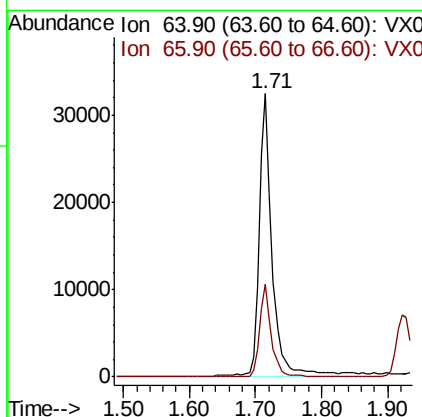
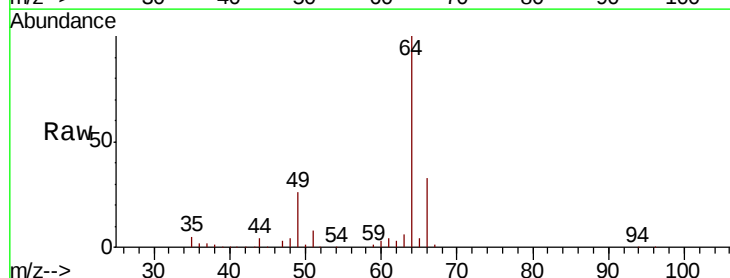
Acq: 16 Nov 2018 19:21

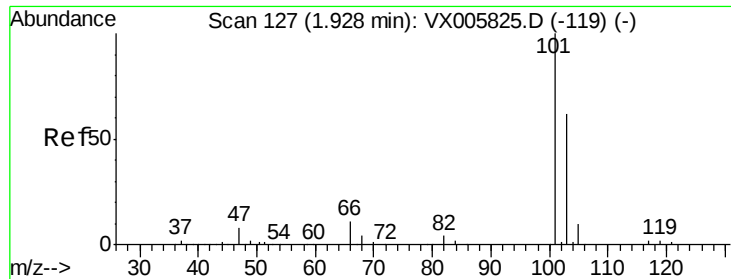
Tgt Ion: 64 Resp: 45099

Ion Ratio Lower Upper

64 100

66 32.9 25.8 38.6





#7

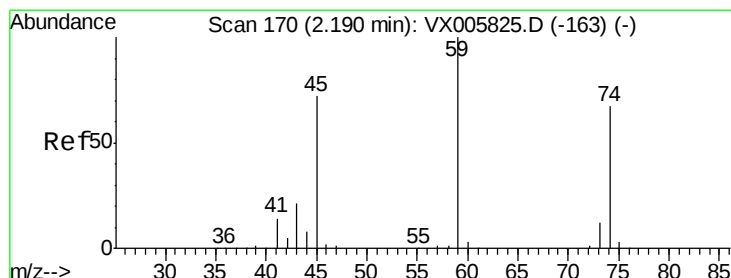
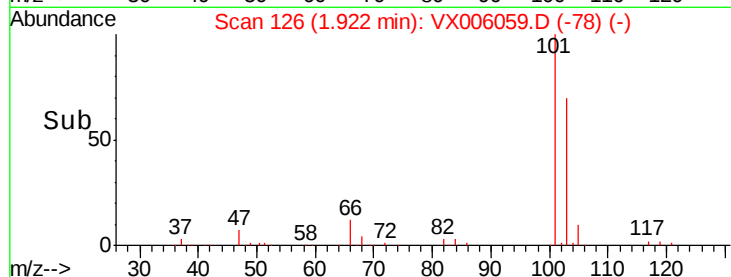
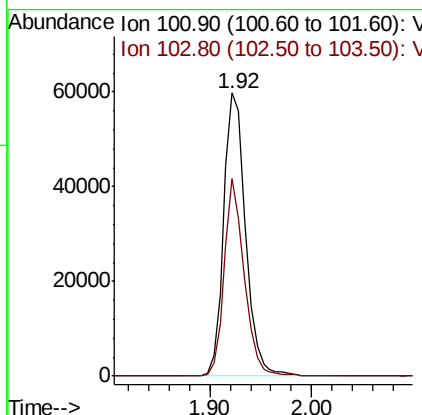
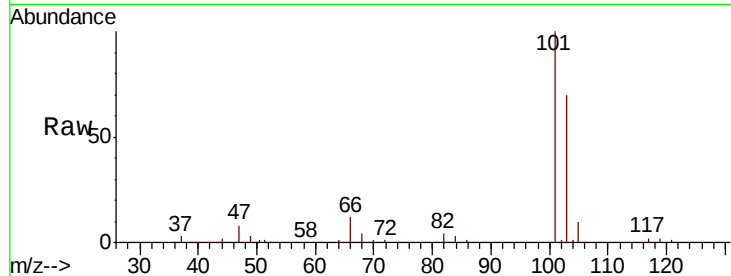
Trichlorofluoromethane
Concen: 48.890 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX006059.D
Acq: 16 Nov 2018 19:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:101 Resp: 89047
Ion Ratio Lower Upper
101 100
103 69.6 50.0 75.0

Manual Integrations
APPROVED

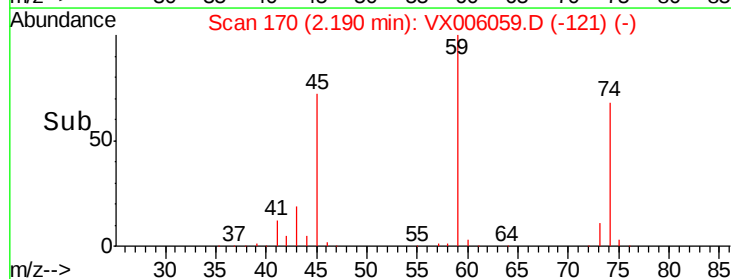
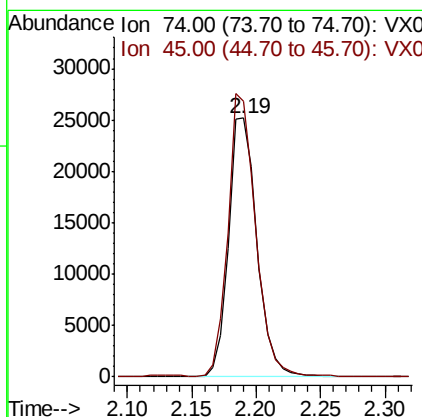
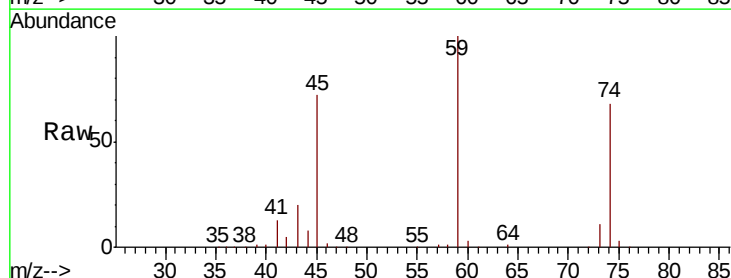
MMDadoda
11/19/2018 12:22:58 PM

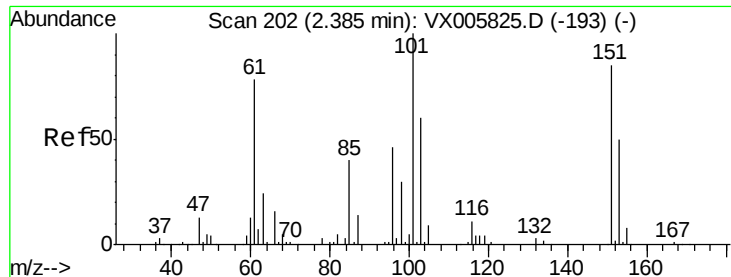


#8

Diethyl Ether
Concen: 54.702 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX006059.D
Acq: 16 Nov 2018 19:21

Tgt Ion: 74 Resp: 39040
Ion Ratio Lower Upper
74 100
45 107.3 54.1 162.3





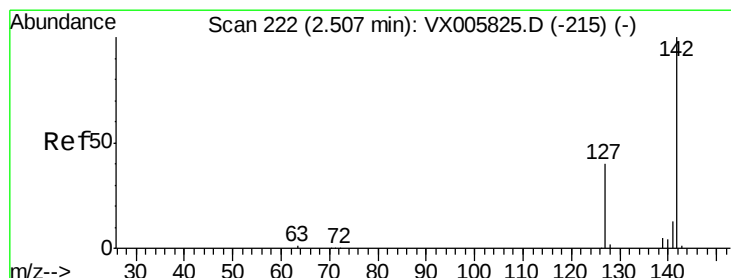
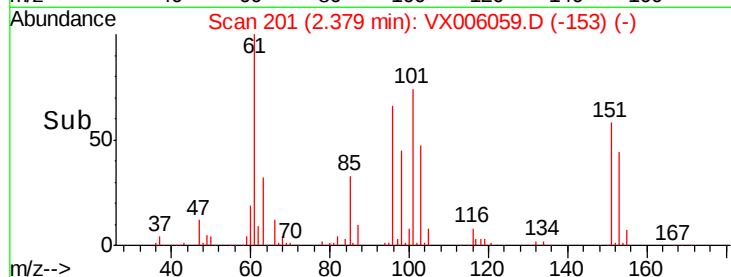
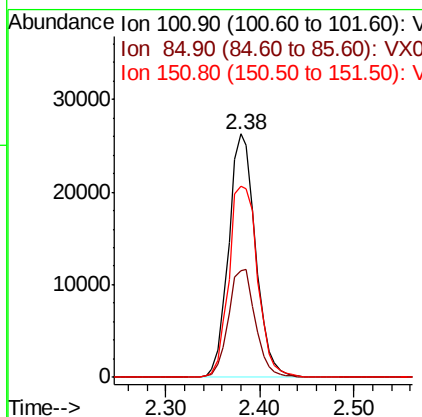
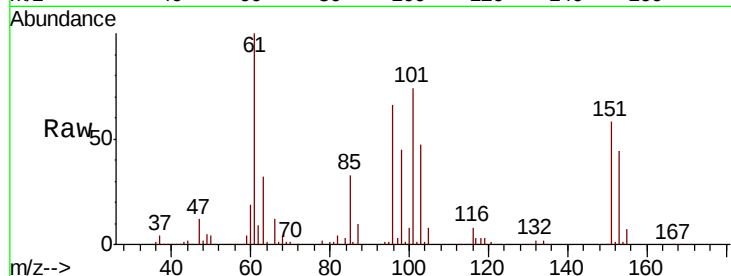
#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.946 ug/l
RT: 2.38 min Scan# 201
Delta R.T. -0.01 min
Lab File: VX006059.D
Acq: 16 Nov 2018 19:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
85	44.4	35.0	52.4
151	83.8	66.2	99.2

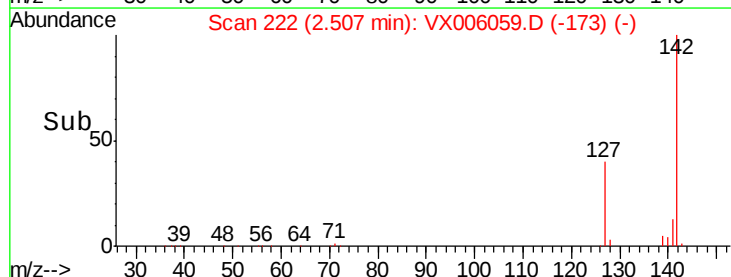
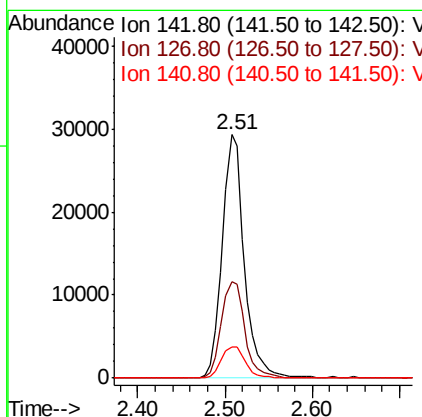
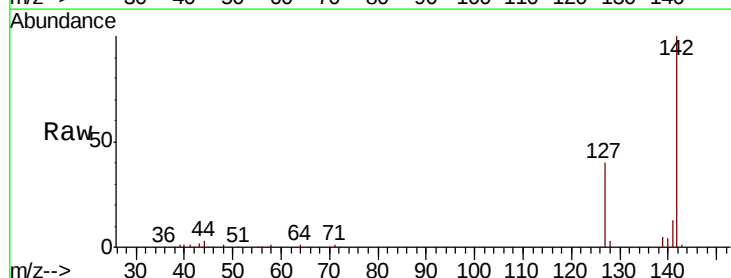
Manual Integrations
APPROVED

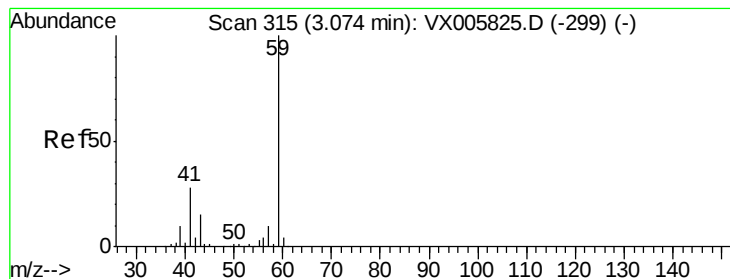
MMDadoda
11/19/2018 12:22:58 PM



#10
Methyl Iodide
Concen: 40.308 ug/l
RT: 2.51 min Scan# 222
Delta R.T. -0.00 min
Lab File: VX006059.D
Acq: 16 Nov 2018 19:21

Tgt Ion	Ratio	Lower	Upper
142	100		
127	42.4	36.0	54.0
141	14.0	11.7	17.5





#11

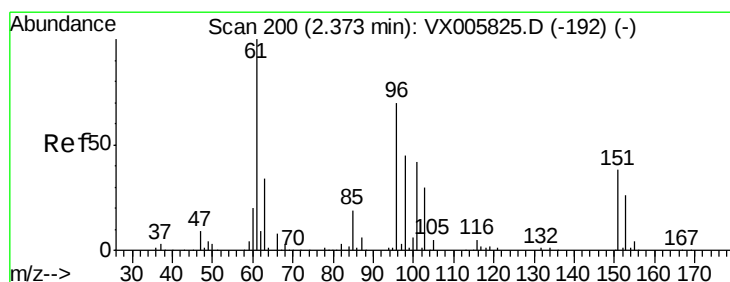
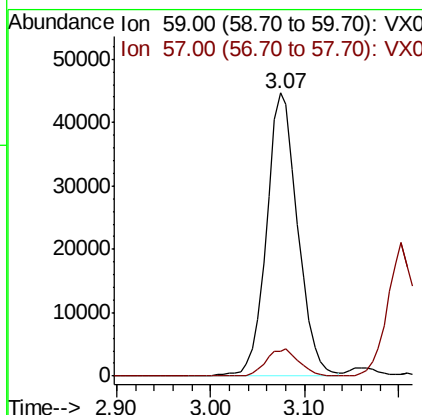
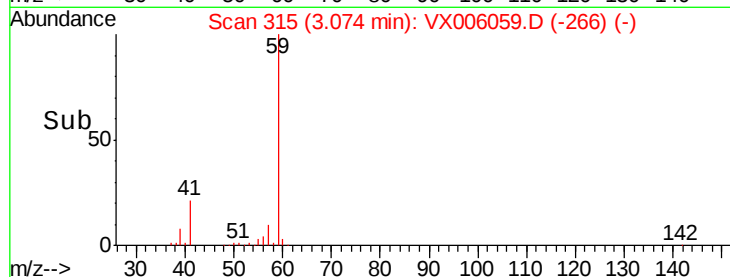
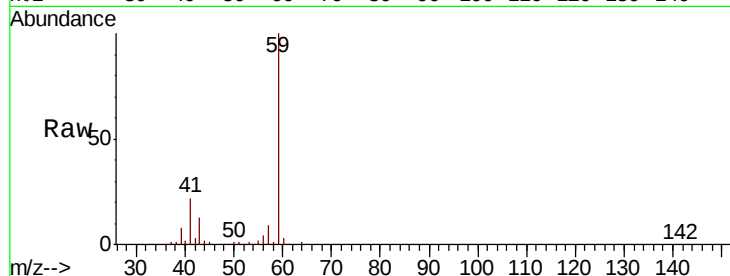
Tert butyl alcohol
Concen: 270.771 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.00 min
Lab File: VX006059.D
Acq: 16 Nov 2018 19:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.5	12.7

Manual Integrations
APPROVED

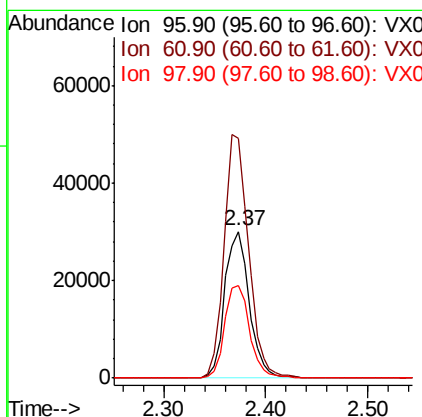
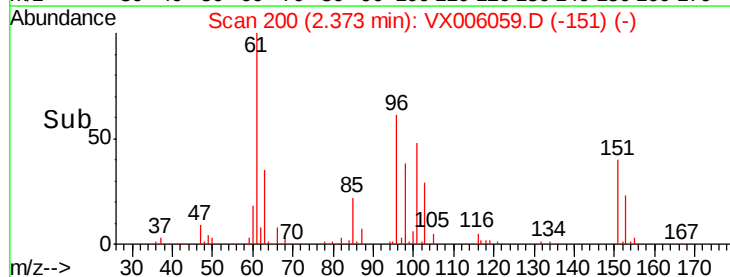
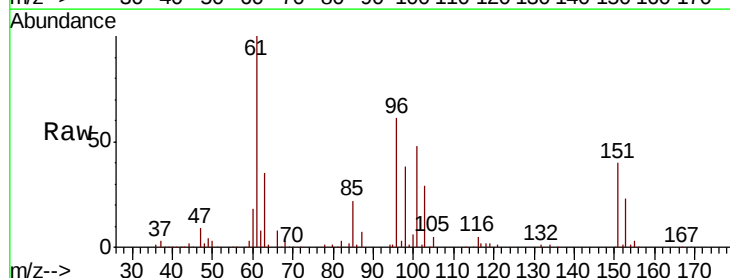
MMDadoda
11/19/2018 12:22:58 PM

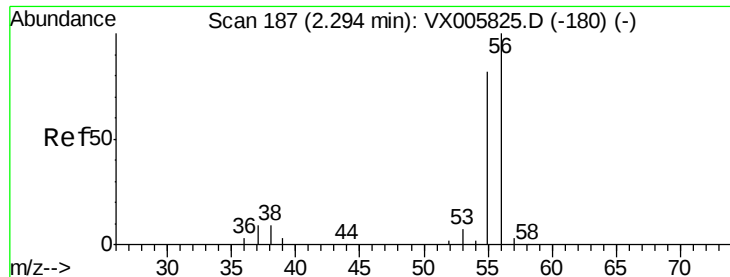


#12

1,1-Dichloroethene
Concen: 48.976 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX006059.D
Acq: 16 Nov 2018 19:21

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.9	131.8	197.8
98	63.0	53.4	80.2





#13

Acrolein

Concen: 290.167 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX006059.D

Acq: 16 Nov 2018 19:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 53238

Ion Ratio Lower Upper

56 100

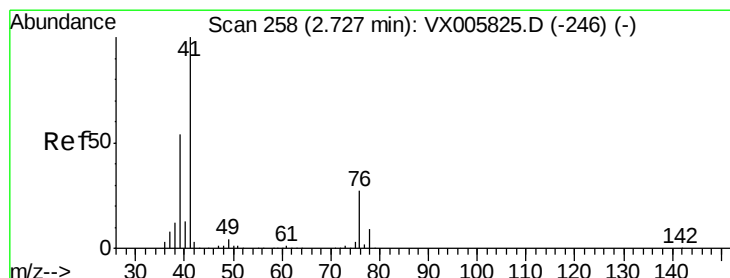
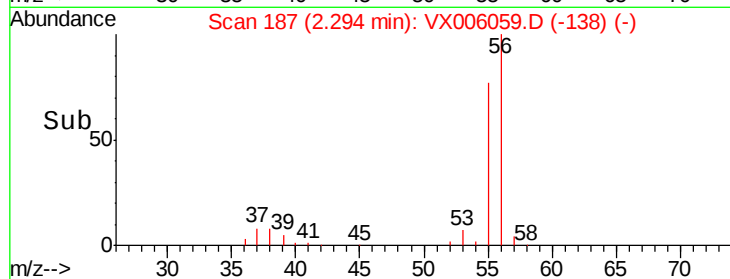
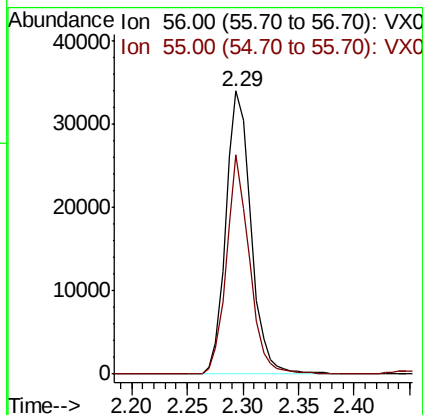
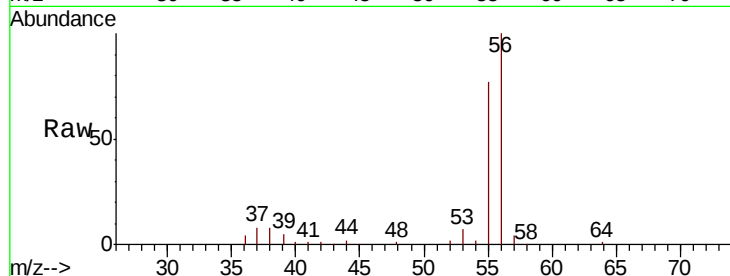
55 70.9 57.3 85.9

Manual Integrations

APPROVED

MMDadoda

11/19/2018 12:22:58 PM



#14

Allyl chloride

Concen: 49.138 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX006059.D

Acq: 16 Nov 2018 19:21

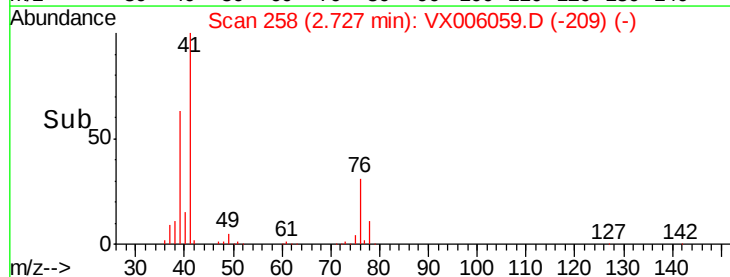
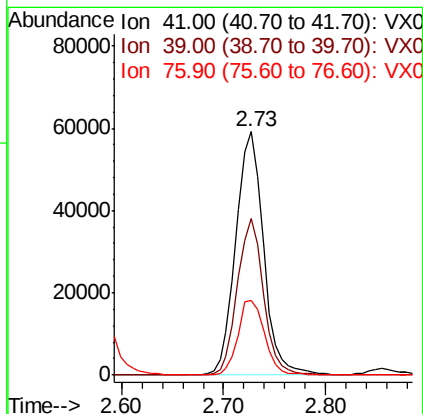
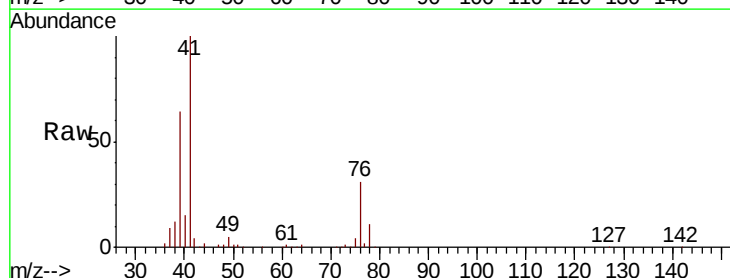
Tgt Ion: 41 Resp: 112053

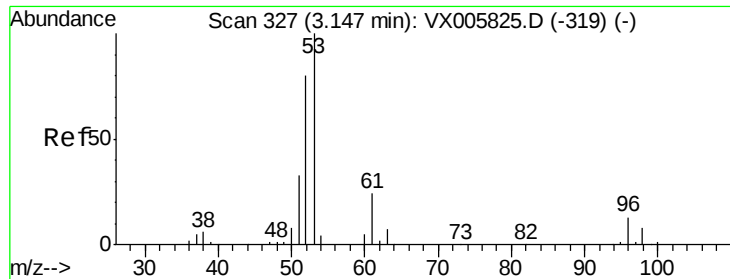
Ion Ratio Lower Upper

41 100

39 60.7 48.2 72.4

76 29.8 21.9 32.9





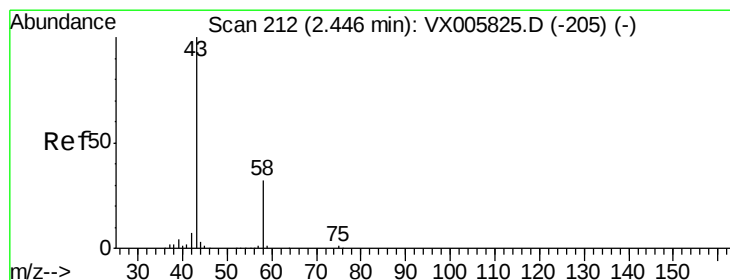
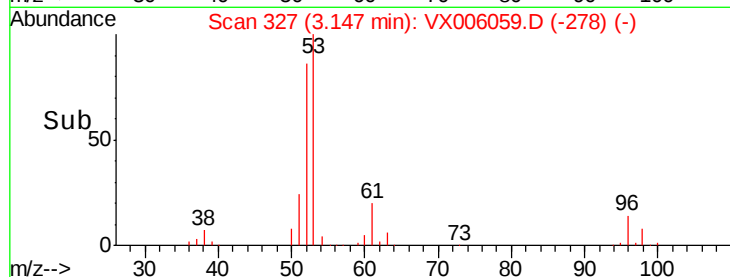
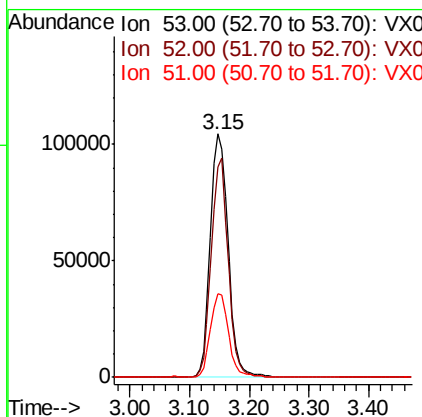
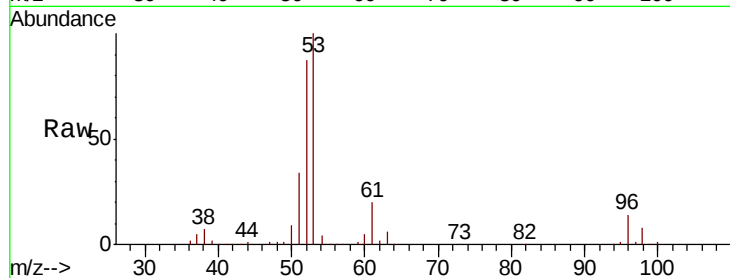
#15
 Acrylonitrile
 Concen: 272.221 ug/l
 RT: 3.15 min Scan# 327
 Delta R.T. -0.00 min
 Lab File: VX006059.D
 Acq: 16 Nov 2018 19:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
53	100		
52	85.1	66.6	99.8
51	35.2	28.4	42.6

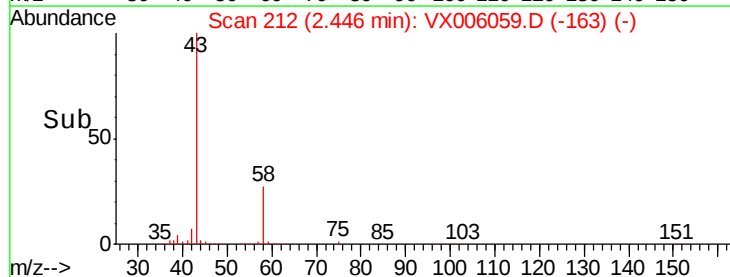
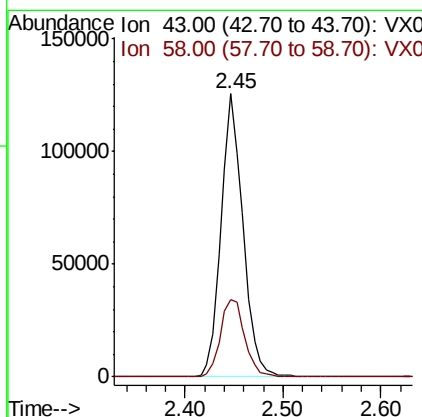
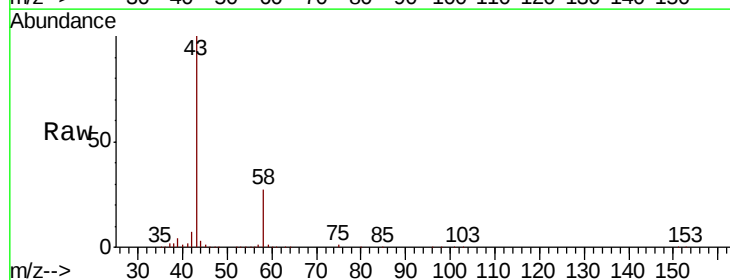
Manual Integrations
 APPROVED

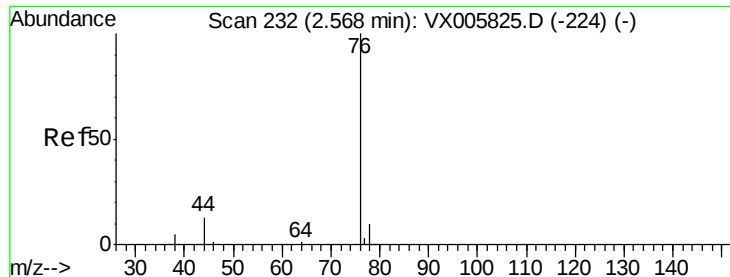
MMDadoda
 11/19/2018 12:22:58 PM



#16
 Acetone
 Concen: 272.699 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX006059.D
 Acq: 16 Nov 2018 19:21

Tgt Ion	Ratio	Lower	Upper
43	100		
58	27.3	23.8	35.6





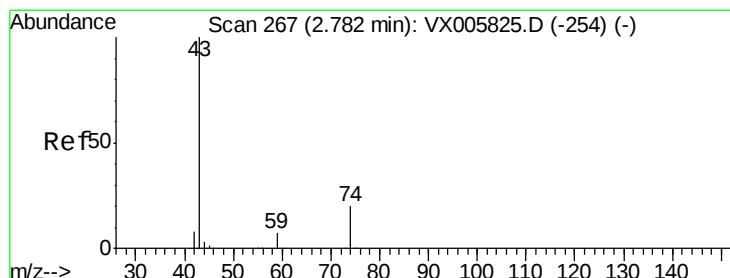
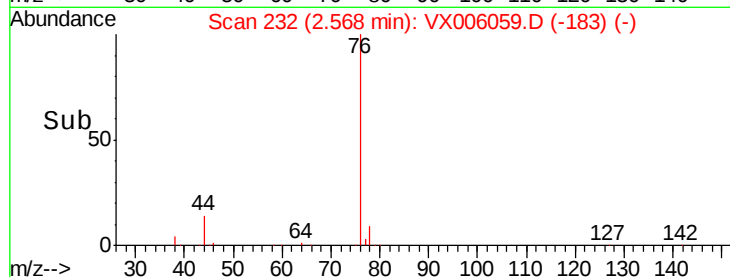
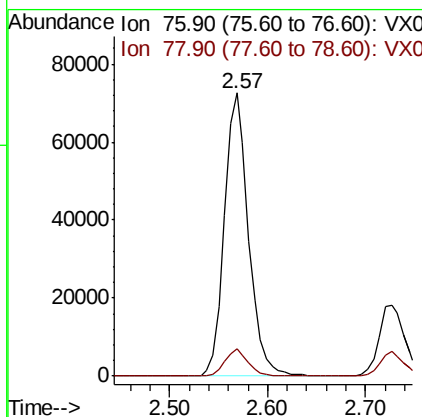
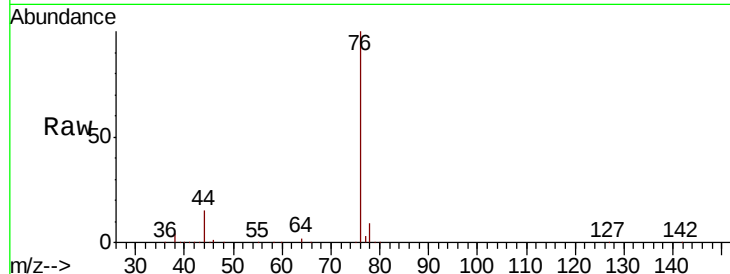
#17
Carbon Disulfide
Concen: 40.644 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX006059.D
Acq: 16 Nov 2018 19:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.3	10.9

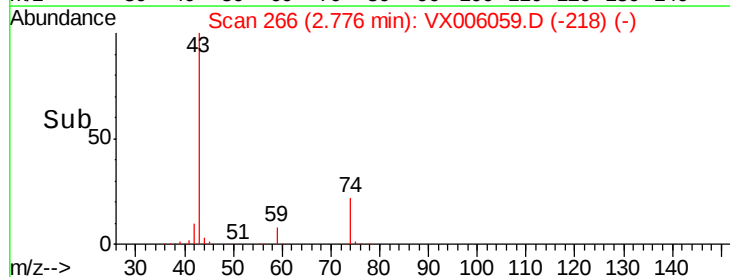
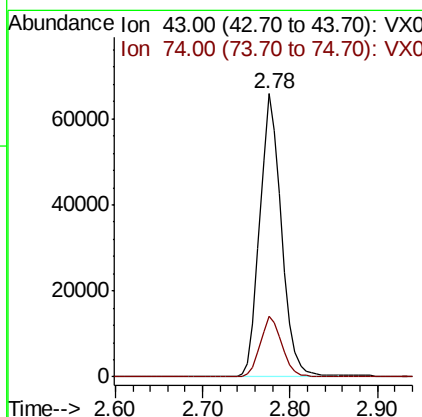
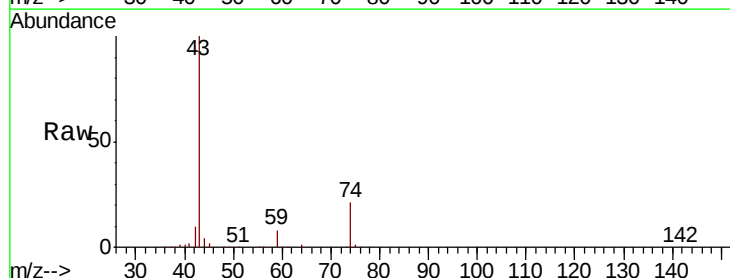
Manual Integrations
APPROVED

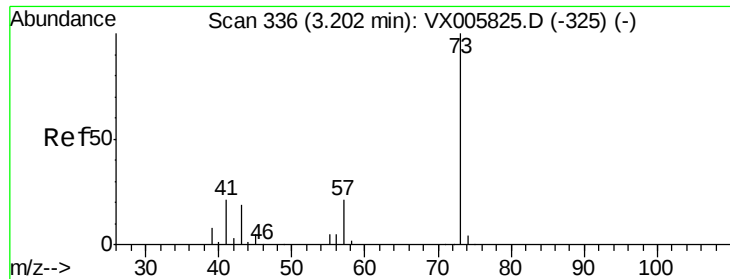
MMDadoda
11/19/2018 12:22:58 PM



#18
Methyl Acetate
Concen: 59.670 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX006059.D
Acq: 16 Nov 2018 19:21

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.2	16.8	25.2





#19

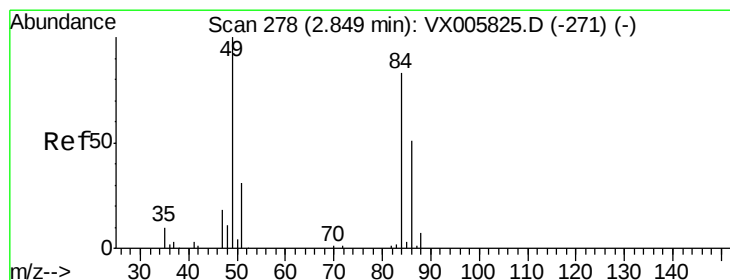
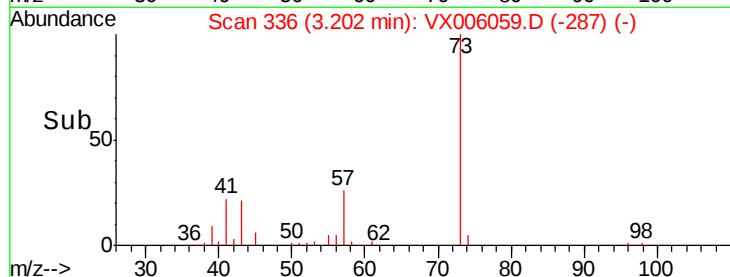
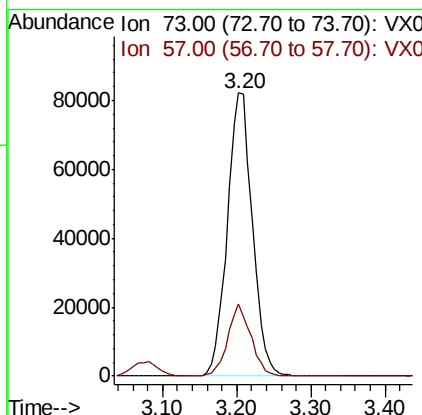
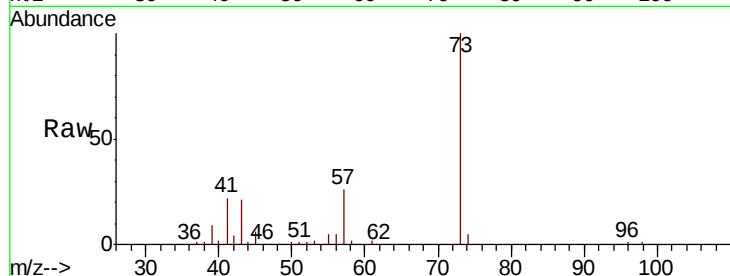
Methyl tert-butyl Ether
 Concen: 55.595 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. -0.00 min
 Lab File: VX006059.D
 Acq: 16 Nov 2018 19:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	25.6	18.8	28.2

Manual Integrations
 APPROVED

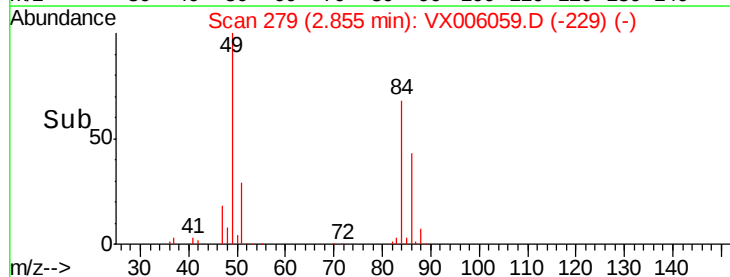
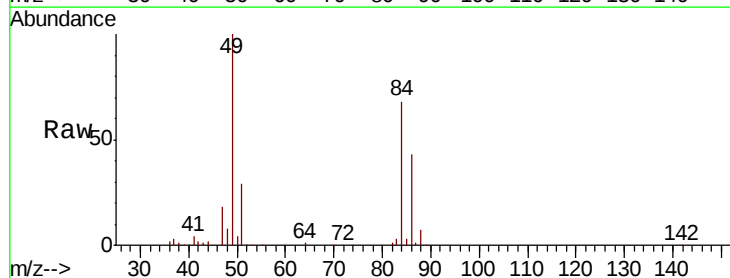
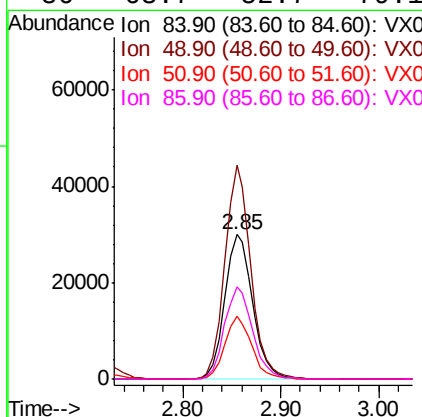
MMDadoda
 11/19/2018 12:22:58 PM

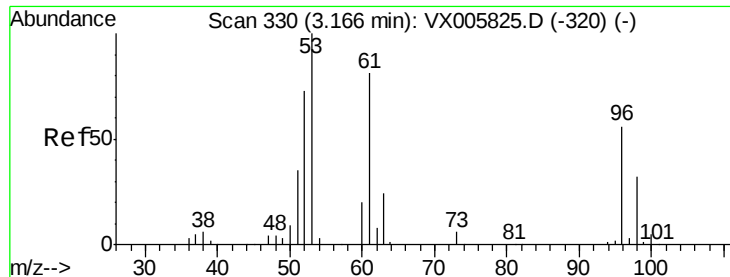


#20

Methylene Chloride
 Concen: 50.411 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.01 min
 Lab File: VX006059.D
 Acq: 16 Nov 2018 19:21

Tgt Ion	Ratio	Lower	Upper
84	100		
49	148.1	109.5	164.3
51	43.4	33.3	49.9
86	63.7	52.7	79.1





#21

trans-1,2-Dichloroethene

Concen: 49.068 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX006059.D

Acq: 16 Nov 2018 19:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 52842

Ion Ratio Lower Upper

96 100

61 155.1 115.6 173.4

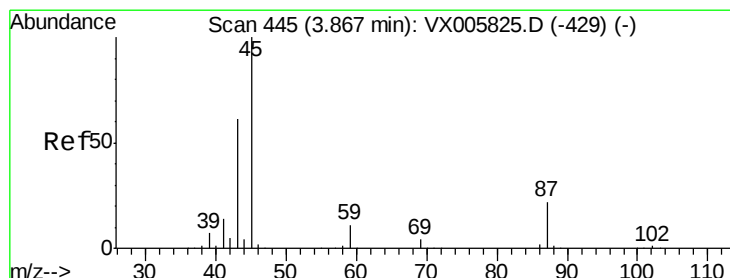
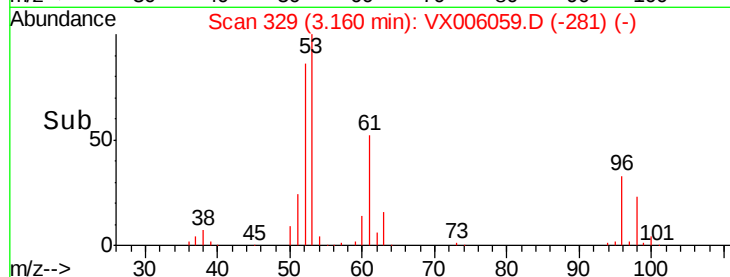
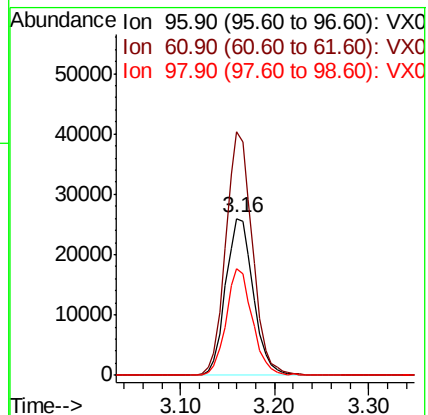
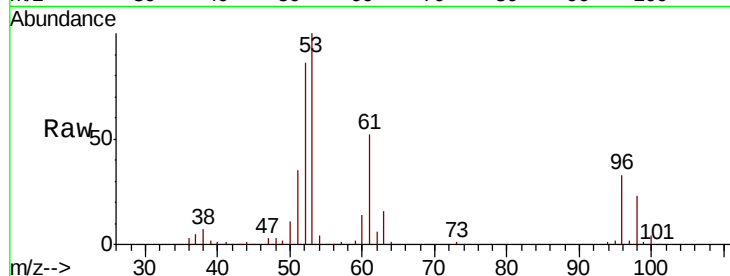
98 68.2 50.2 75.2

Manual Integrations

APPROVED

MMDadoda

11/19/2018 12:22:58 PM



#22

Diisopropyl ether

Concen: 53.332 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.00 min

Lab File: VX006059.D

Acq: 16 Nov 2018 19:21

Tgt Ion: 45 Resp: 213043

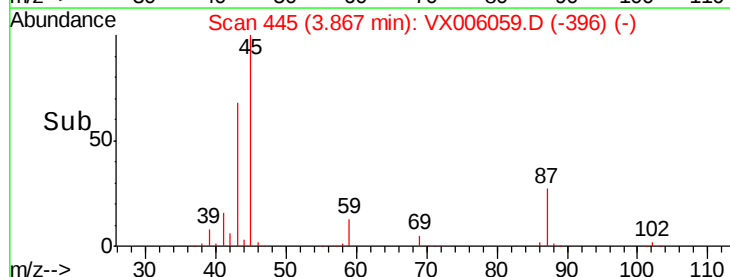
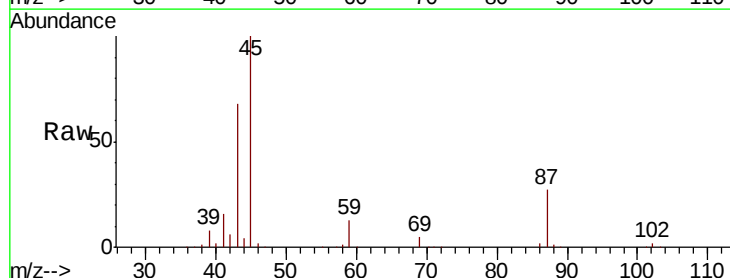
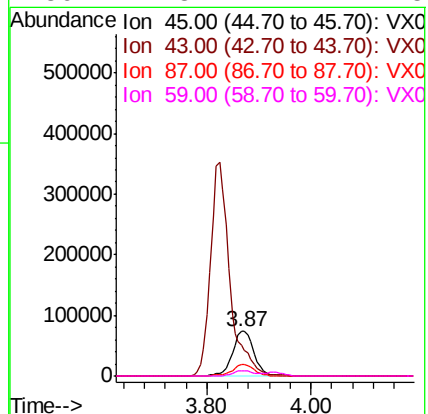
Ion Ratio Lower Upper

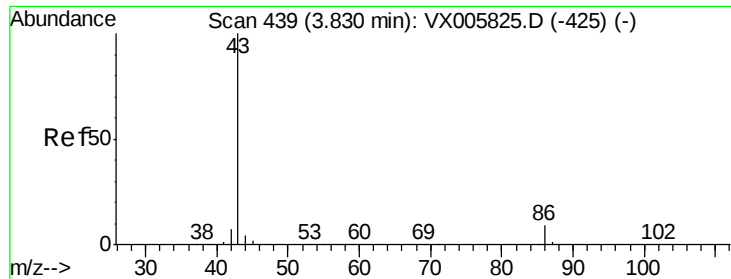
45 100

43 68.3 47.4 71.2

87 26.5 15.9 23.9#

59 12.8 7.7 11.5#





#23

Vinyl Acetate

Concen: 266.856 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.01 min

Lab File: VX006059.D

Acq: 16 Nov 2018 19:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 914002

Ion Ratio Lower Upper

43 100

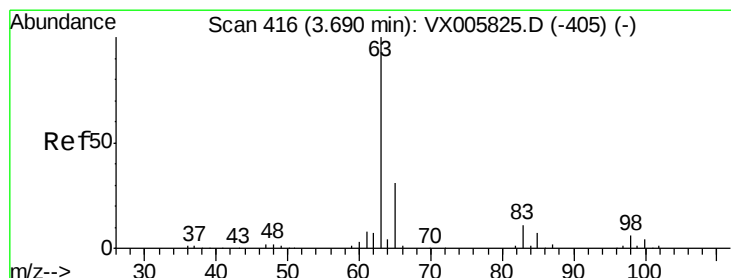
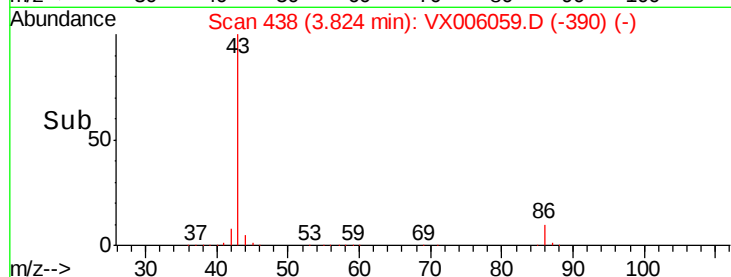
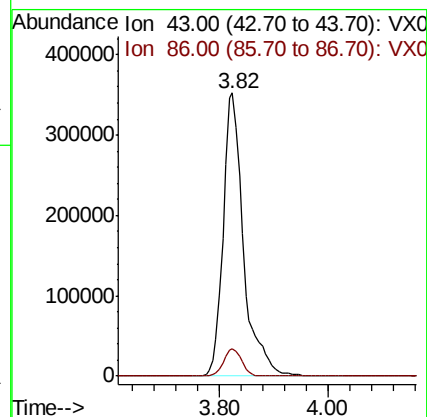
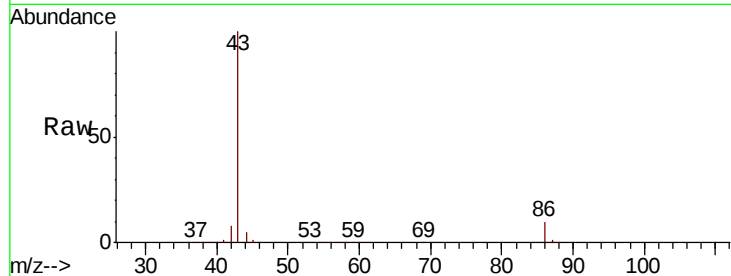
86 9.5 7.4 11.2

Manual Integrations

APPROVED

MMDadoda

11/19/2018 12:22:58 PM



#24

1,1-Dichloroethane

Concen: 52.382 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX006059.D

Acq: 16 Nov 2018 19:21

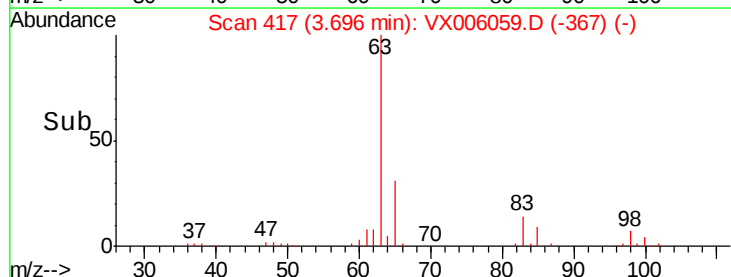
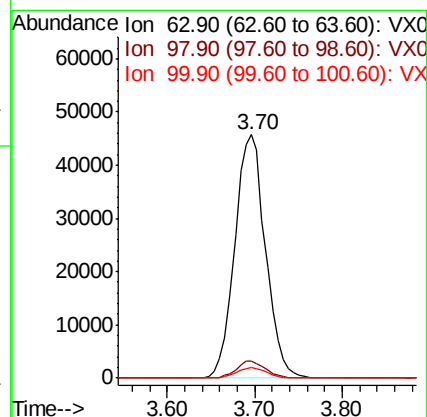
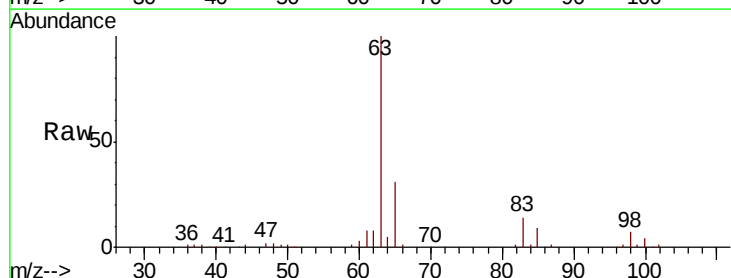
Tgt Ion: 63 Resp: 111637

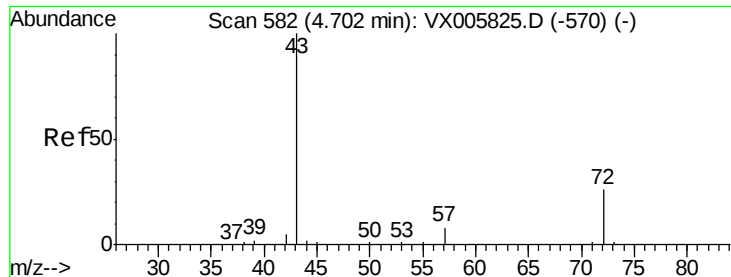
Ion Ratio Lower Upper

63 100

98 7.1 3.2 9.6

100 4.3 2.1 6.2





#25

2-Butanone

Concen: 269.551 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX006059.D

Acq: 16 Nov 2018 19:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 303009

Ion Ratio Lower Upper

43 100

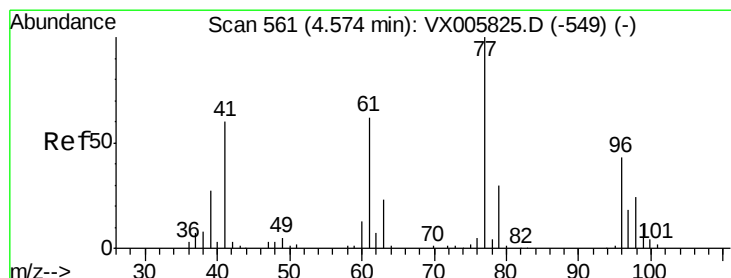
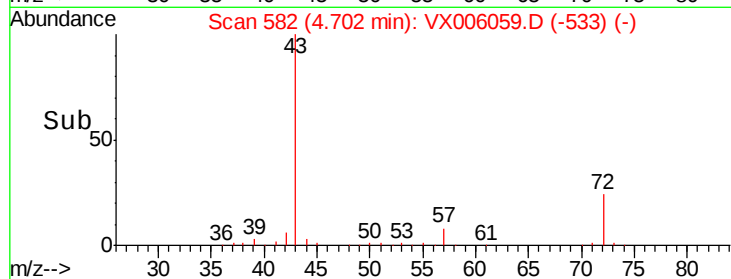
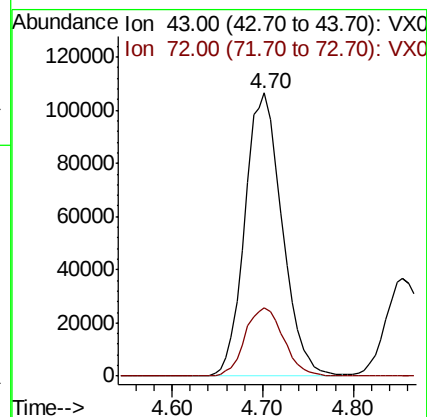
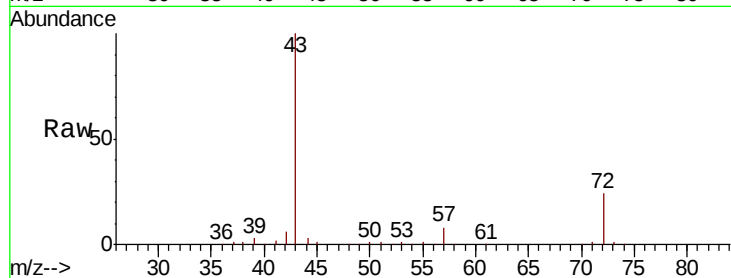
72 24.4 19.2 28.8

Manual Integrations

APPROVED

MMDadoda

11/19/2018 12:22:58 PM



#26

2,2-Dichloropropane

Concen: 50.531 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.00 min

Lab File: VX006059.D

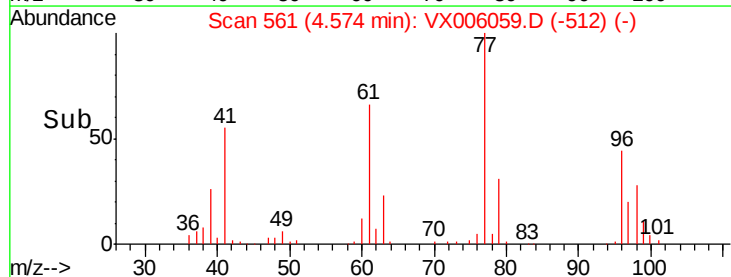
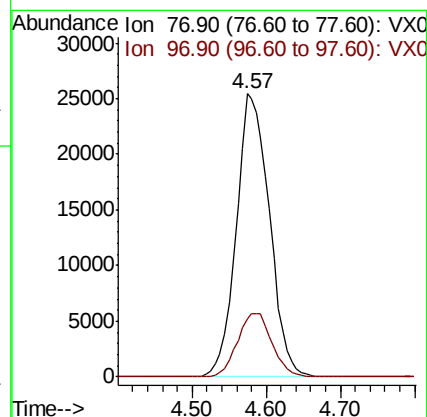
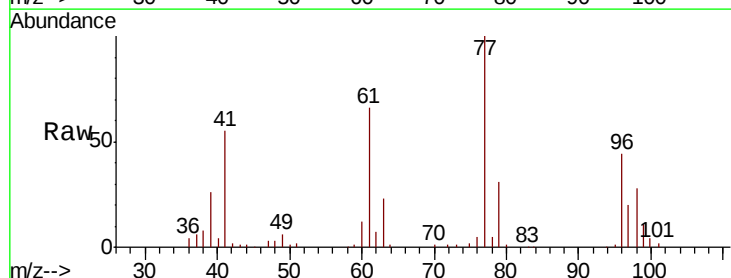
Acq: 16 Nov 2018 19:21

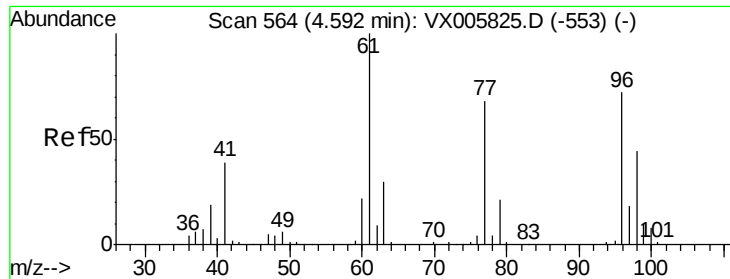
Tgt Ion: 77 Resp: 78998

Ion Ratio Lower Upper

77 100

97 23.5 11.5 34.5





#27

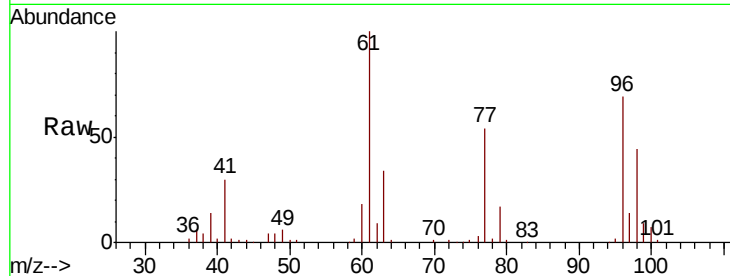
cis-1,2-Dichloroethene
Concen: 54.426 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX006059.D
Acq: 16 Nov 2018 19:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

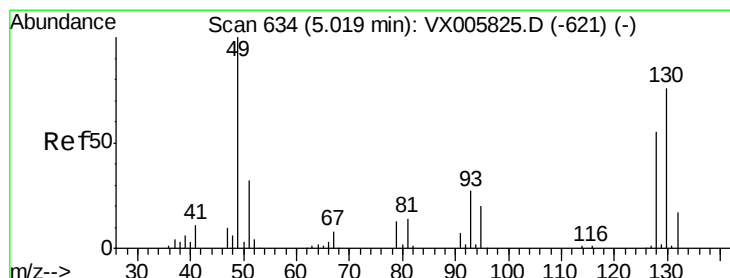
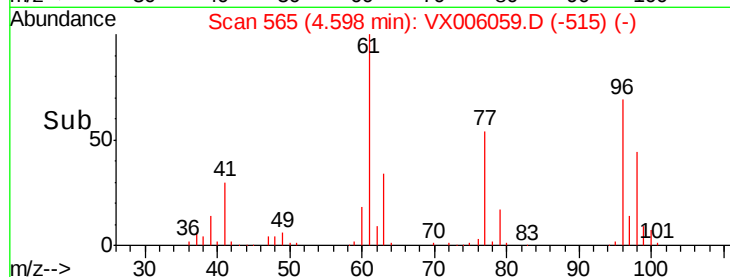
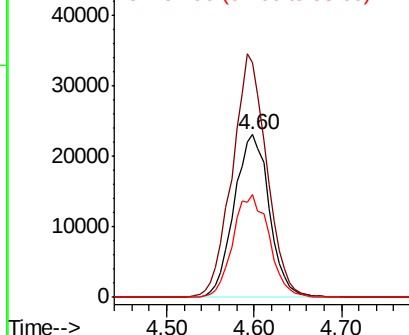
Tot Ion	Ratio	Lower	Upper
96	100		
61	147.2	0.0	304.6
98	64.7	0.0	127.4

Manual Integrations
APPROVED

MMDadoda
11/19/2018 12:22:58 PM



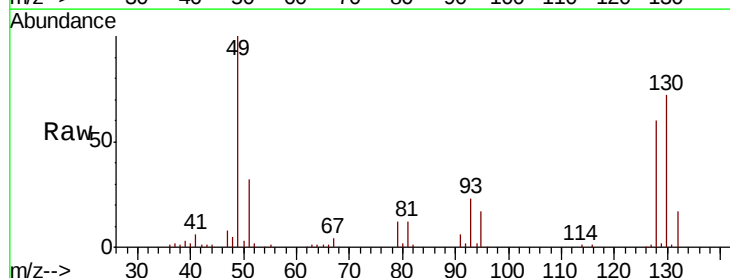
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



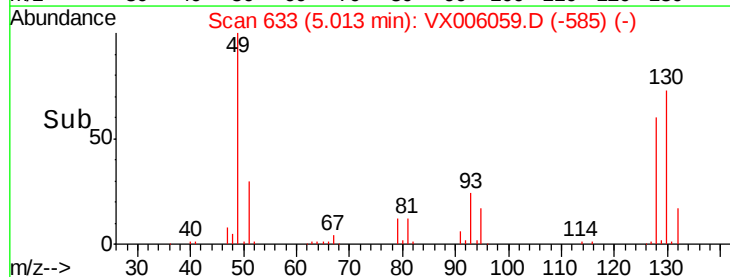
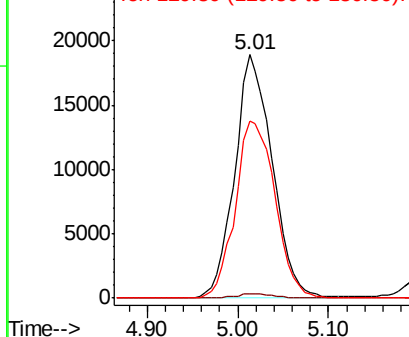
#28

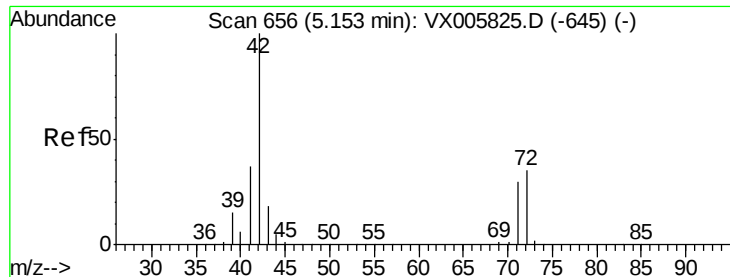
Bromochloromethane
Concen: 56.944 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX006059.D
Acq: 16 Nov 2018 19:21

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	76.9	58.9	88.3



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





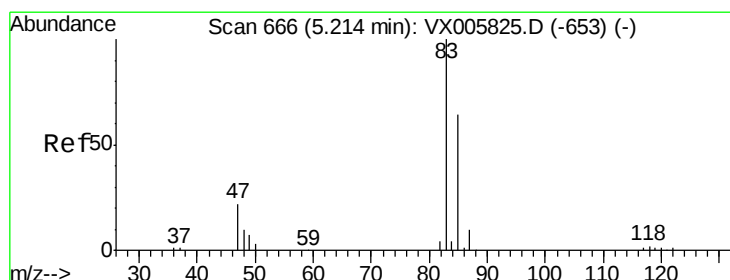
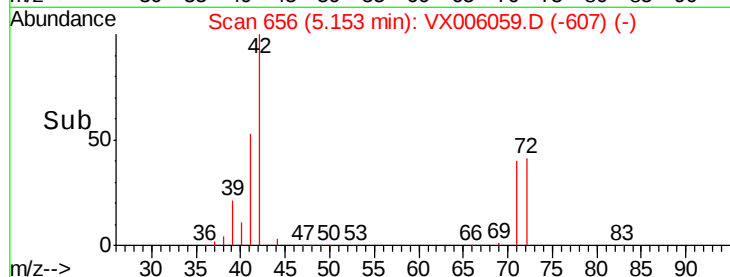
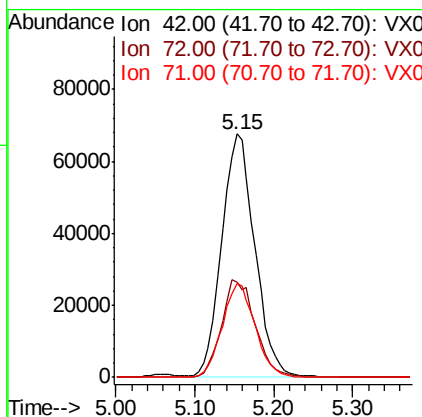
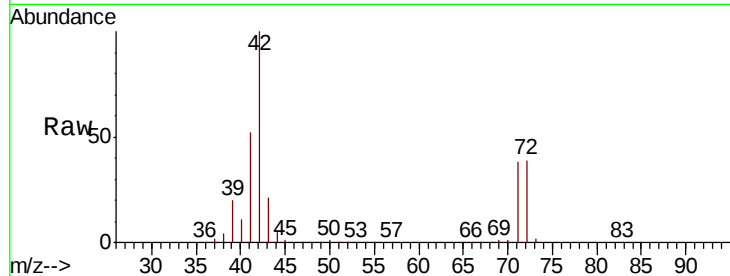
#29
Tetrahydrofuran
Concen: 272.814 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX006059.D
Acq: 16 Nov 2018 19:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.2	32.0	48.0
71	38.6	29.8	44.8

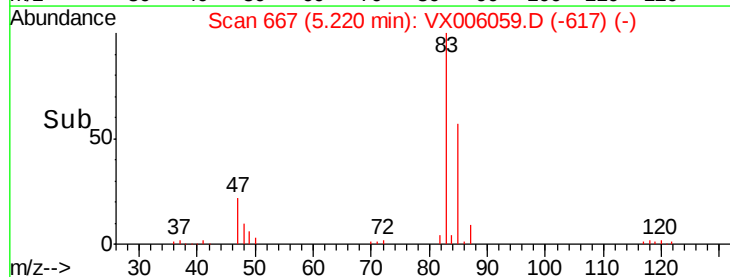
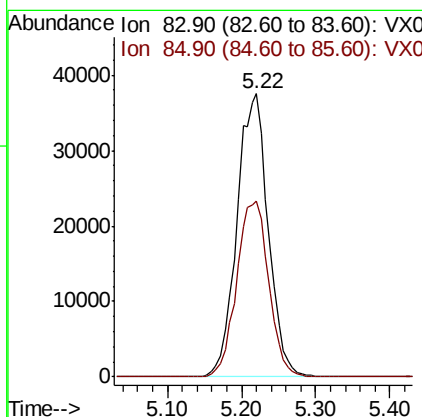
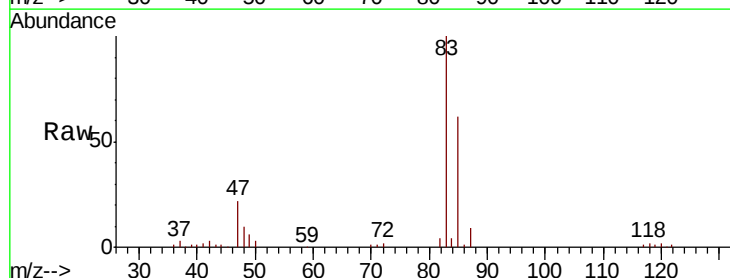
Manual Integrations
APPROVED

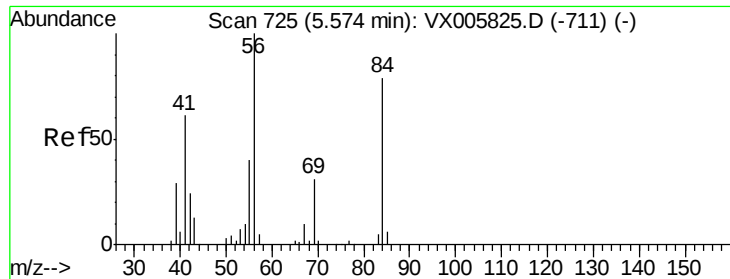
MMDadoda
11/19/2018 12:22:58 PM



#30
Chloroform
Concen: 53.677 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX006059.D
Acq: 16 Nov 2018 19:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.1	50.6	76.0





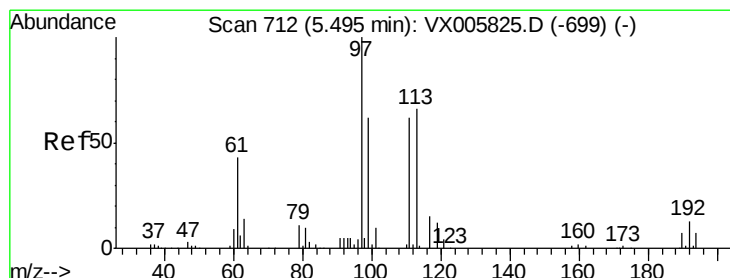
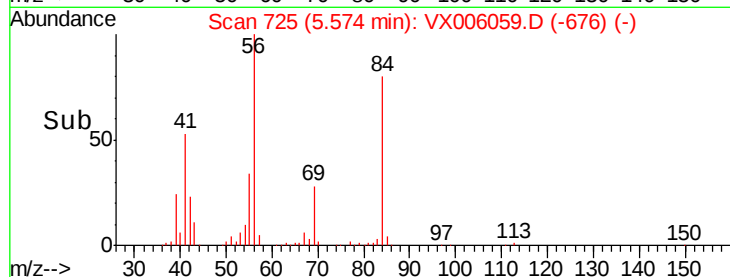
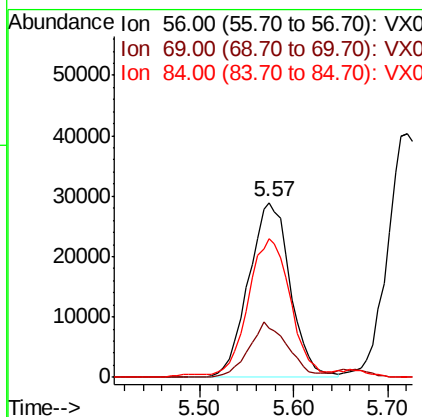
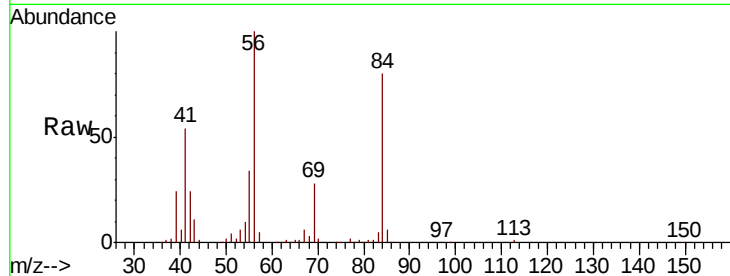
#31
Cyclohexane
Concen: 48.376 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX006059.D
Acq: 16 Nov 2018 19:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.1	22.6	34.0
84	78.0	62.7	94.1

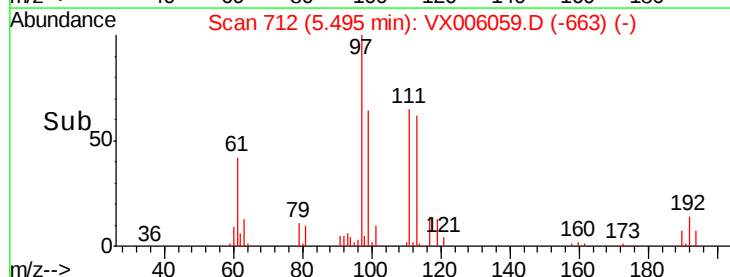
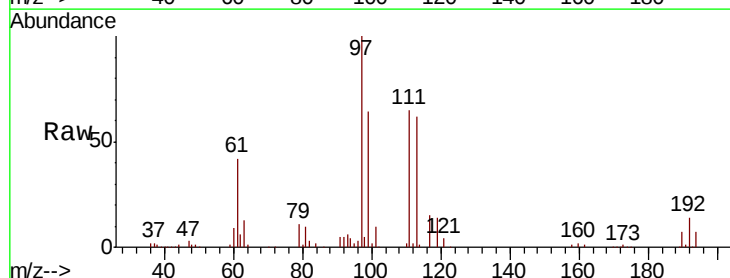
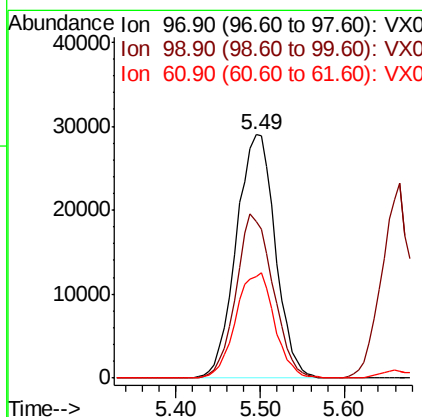
Manual Integrations
APPROVED

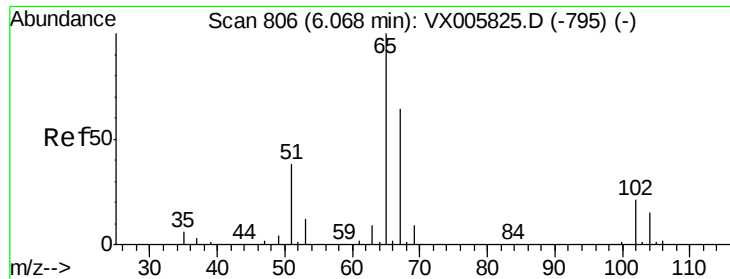
MMDadoda
11/19/2018 12:22:58 PM



#32
1,1,1-Trichloroethane
Concen: 52.993 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX006059.D
Acq: 16 Nov 2018 19:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	52.3	78.5
61	43.2	35.2	52.8





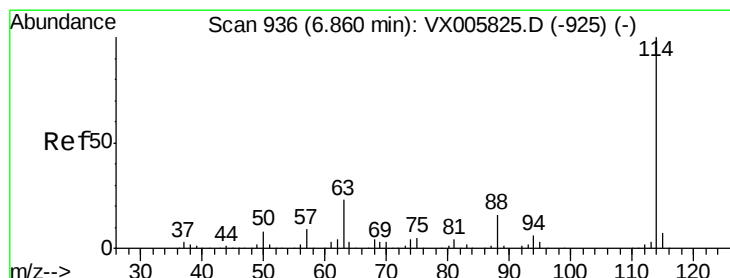
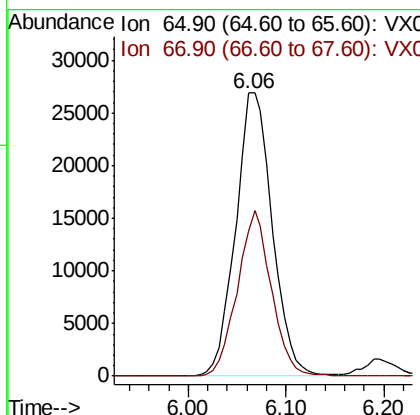
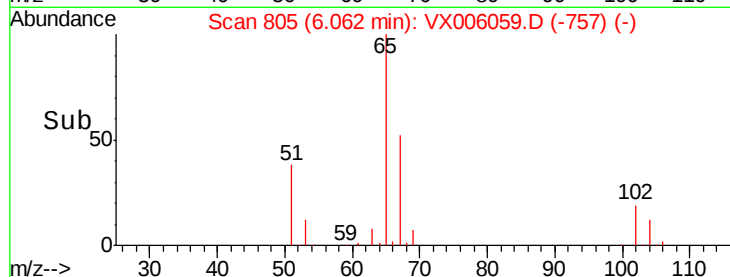
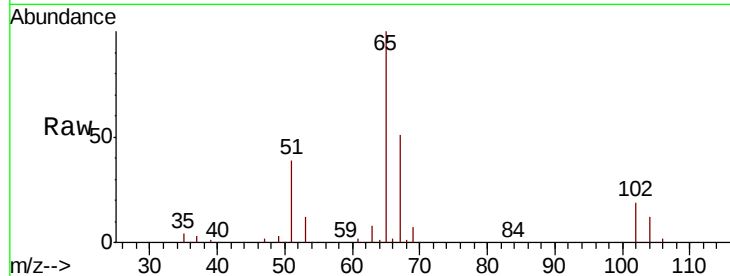
#33
 1,2-Dichloroethane-d4
 Concen: 52.596 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX006059.D
 Acq: 16 Nov 2018 19:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.1	0.0	105.0

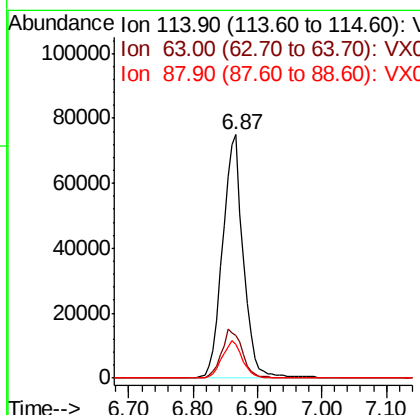
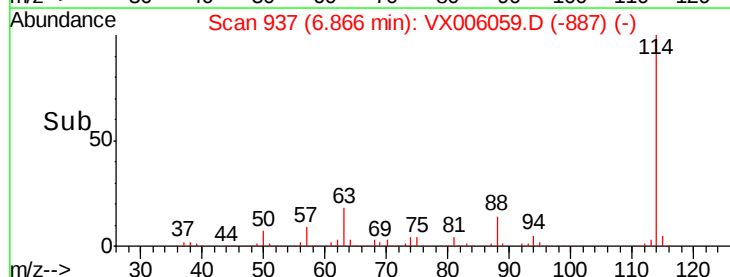
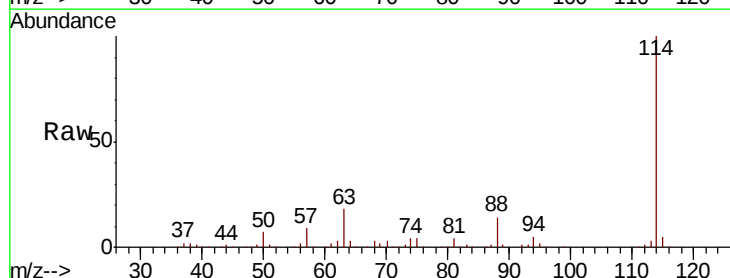
Manual Integrations
 APPROVED

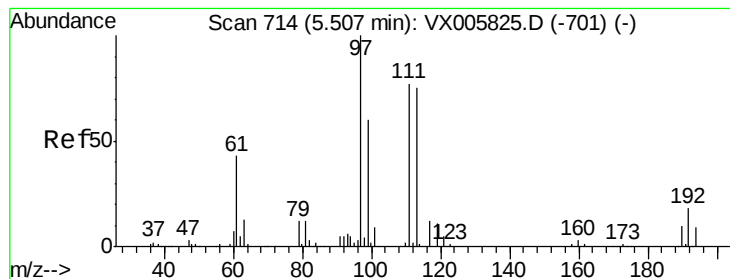
MMDadoda
 11/19/2018 12:22:58 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VX006059.D
 Acq: 16 Nov 2018 19:21

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.7	0.0	42.8
88	13.9	0.0	31.2





#35

Dibromofluoromethane

Concen: 48.955 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX006059.D

Acq: 16 Nov 2018 19:21

Instrument :

MSVOA_X

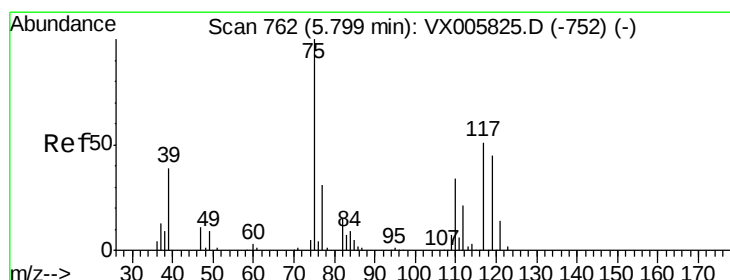
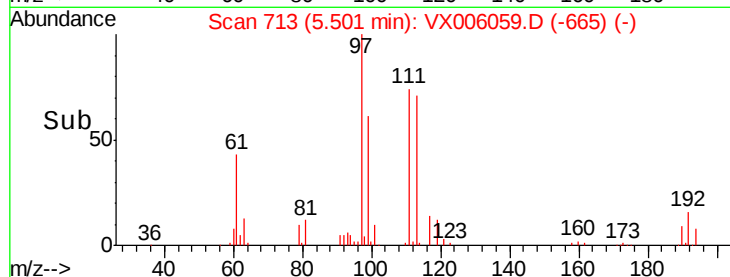
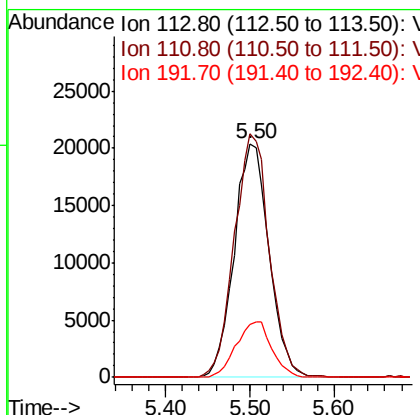
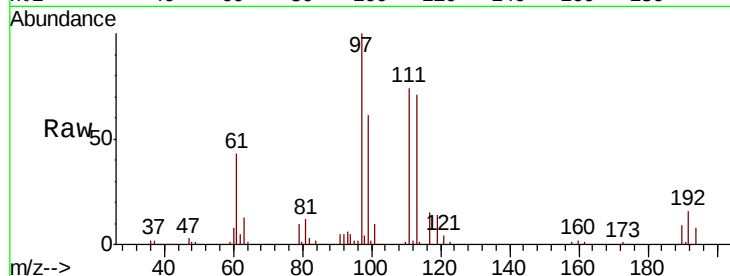
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	57022
Ion	Ratio	Lower	Upper
113	100		
111	104.3	82.3	123.5
192	24.3	17.9	26.9

Manual Integrations
APPROVED

MMDadoda
11/19/2018 12:22:58 PM



#36

1,1-Dichloropropene

Concen: 47.076 ug/l

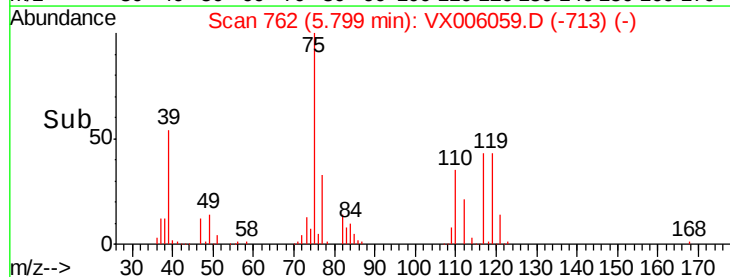
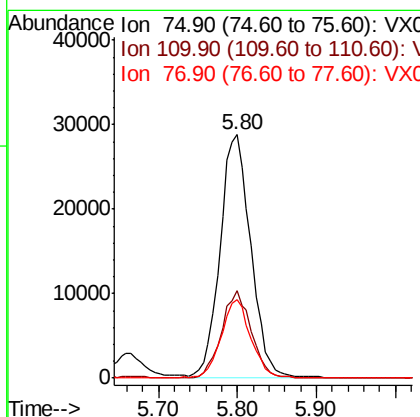
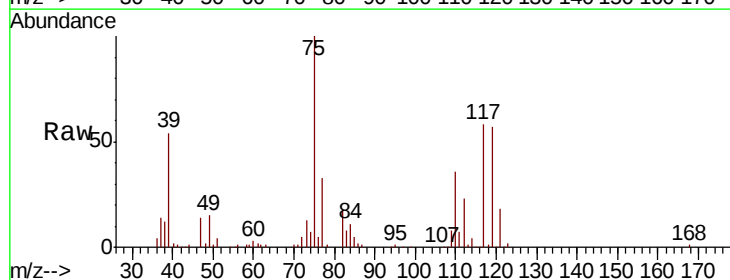
RT: 5.80 min Scan# 762

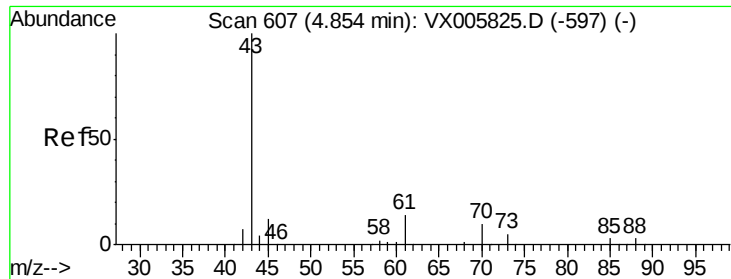
Delta R.T. -0.00 min

Lab File: VX006059.D

Acq: 16 Nov 2018 19:21

Tgt Ion:	75	Resp:	77720
Ion	Ratio	Lower	Upper
75	100		
110	35.0	17.4	52.2
77	31.8	25.8	38.6





#37

Ethyl Acetate

Concen: 50.368 ug/l

RT: 4.85 min Scan# 607

Delta R.T. -0.00 min

Lab File: VX006059.D

Acq: 16 Nov 2018 19:21

Instrument :

MSVOA_X

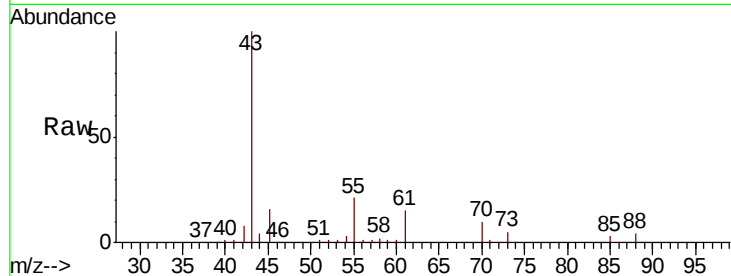
ClientSampleId :

VSTDCCC050EC

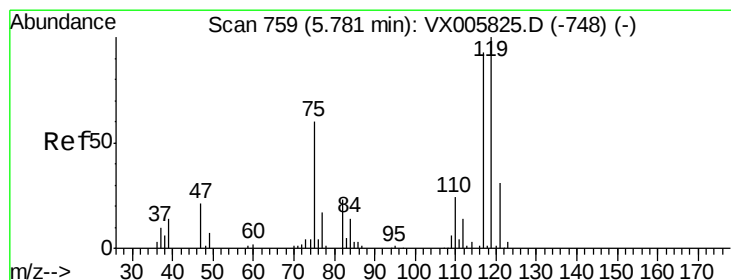
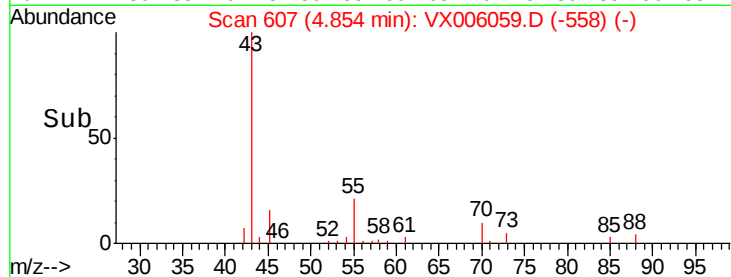
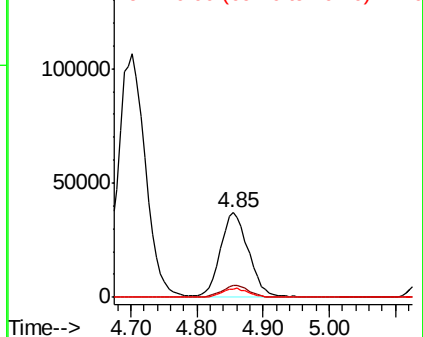
Tot Ion:	43	Resp:	109349
Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.8	16.2
70	10.1	7.8	11.8

Manual Integrations
APPROVED

MMDadoda
11/19/2018 12:22:58 PM



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



#38

Carbon Tetrachloride

Concen: 46.369 ug/l

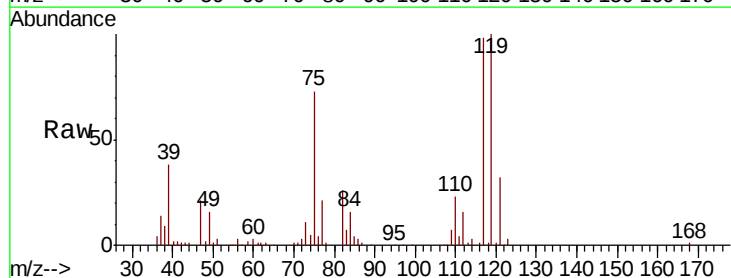
RT: 5.78 min Scan# 759

Delta R.T. -0.00 min

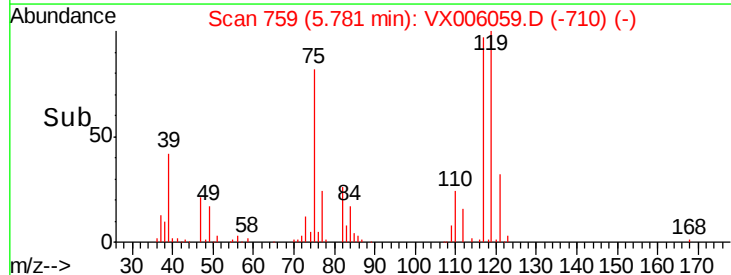
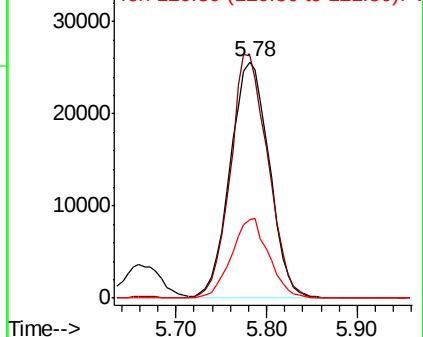
Lab File: VX006059.D

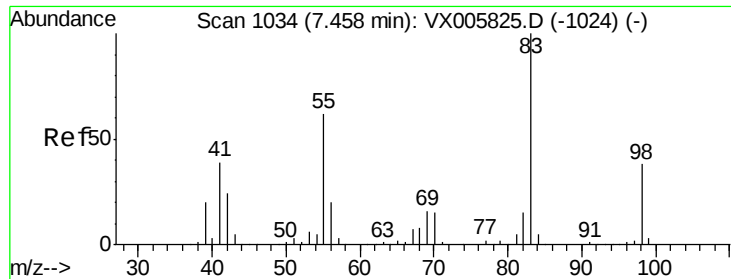
Acq: 16 Nov 2018 19:21

Tgt Ion:	117	Resp:	76637
Ion	Ratio	Lower	Upper
117	100		
119	102.3	78.1	117.1
121	33.0	24.6	36.8



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





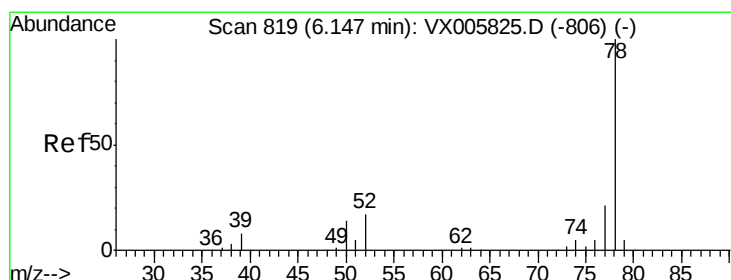
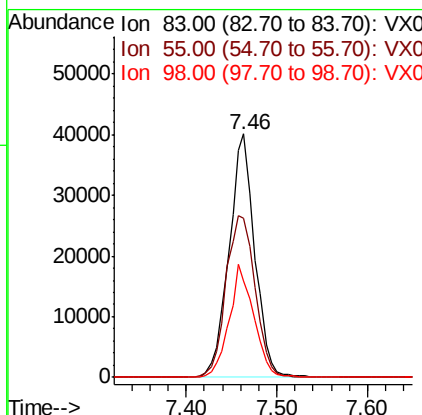
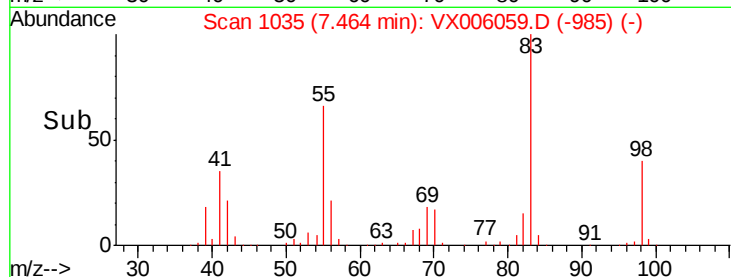
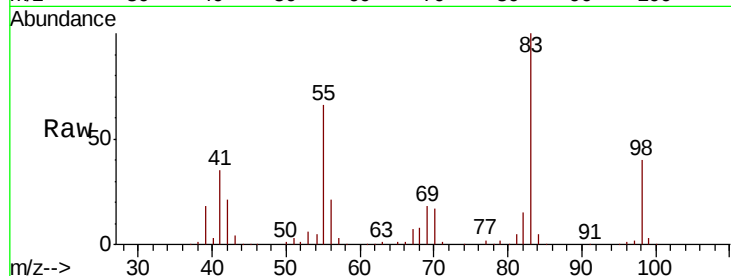
#39
Methvlcvclohexane
Concen: 47.249 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX006059.D
Acq: 16 Nov 2018 19:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	65.6	63.7	95.5
98	39.8	36.2	54.2

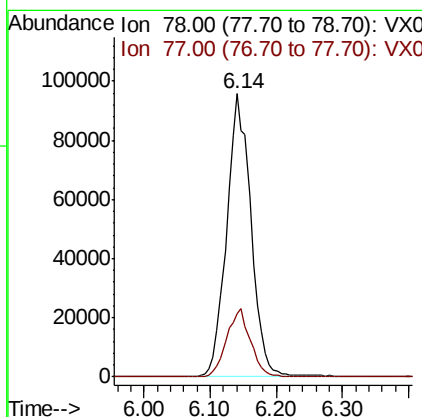
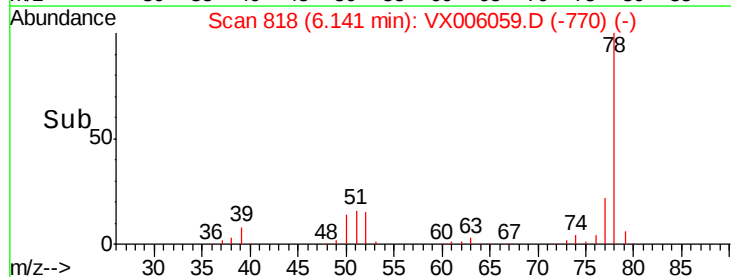
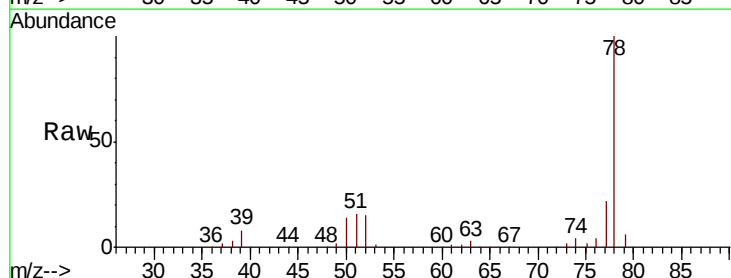
Manual Integrations
APPROVED

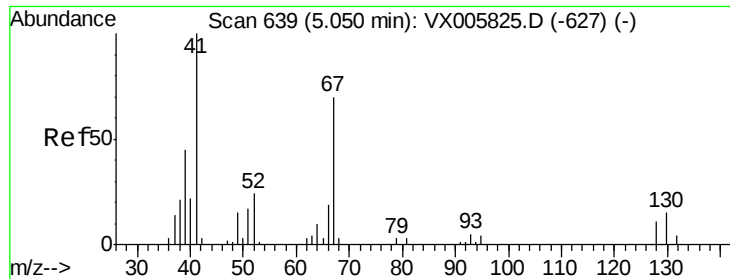
MMDadoda
11/19/2018 12:22:58 PM



#40
Benzene
Concen: 50.725 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX006059.D
Acq: 16 Nov 2018 19:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.1	18.4	27.6





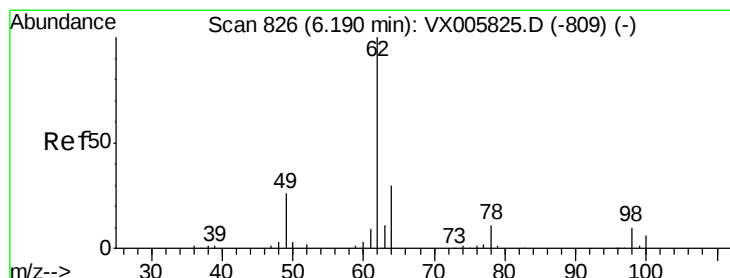
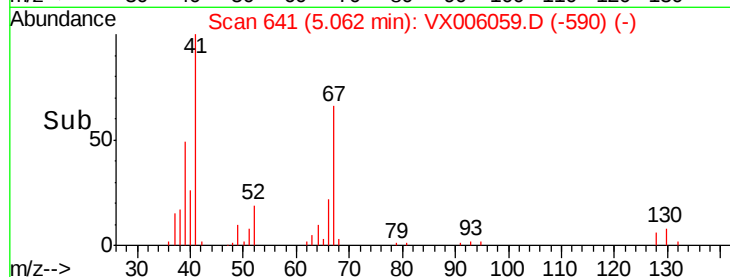
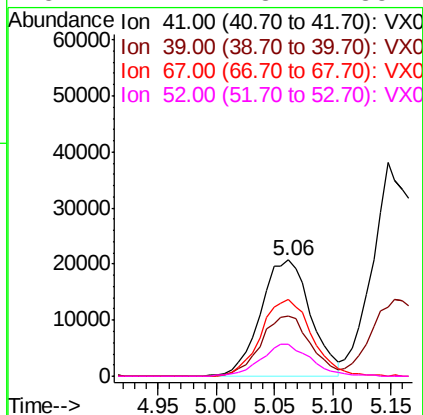
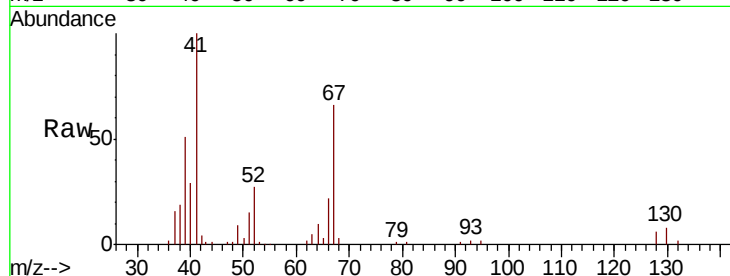
#41
Methacrylonitrile
Concen: 52.637 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.01 min
Lab File: VX006059.D
Acq: 16 Nov 2018 19:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	61749
Ion	Ratio	Lower	Upper
41	100		
39	51.3	42.2	63.2
67	67.4	53.4	80.0
52	27.7	23.4	35.2

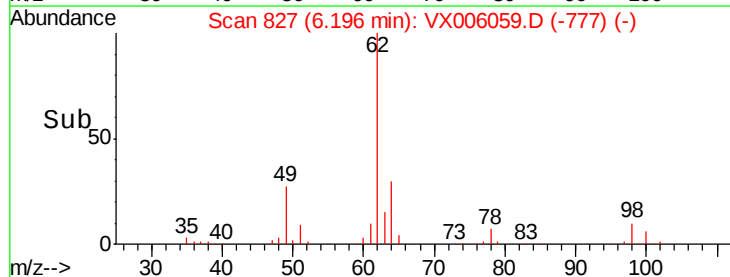
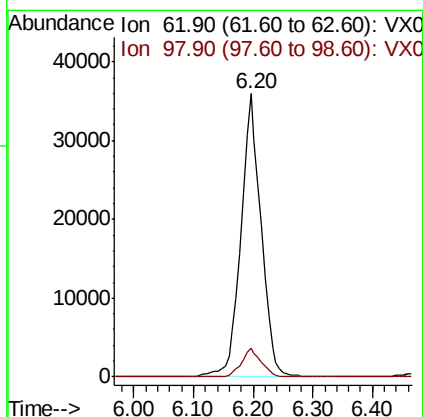
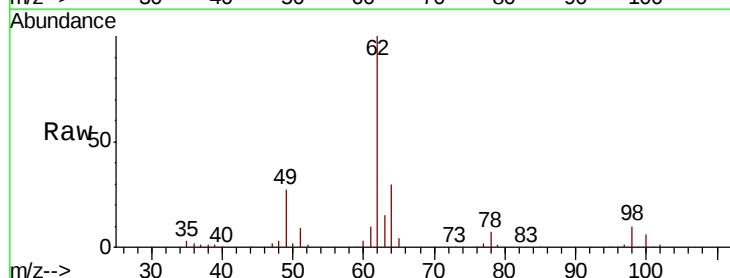
Manual Integrations
APPROVED

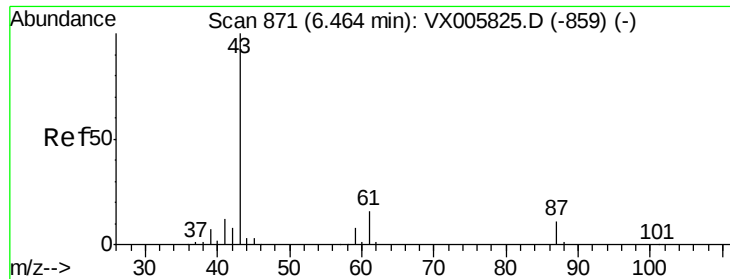
MMDadoda
11/19/2018 12:22:58 PM



#42
1,2-Dichloroethane
Concen: 49.332 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.01 min
Lab File: VX006059.D
Acq: 16 Nov 2018 19:21

Tgt Ion:	62	Resp:	85041
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	17.8





#43

Isopropyl Acetate

Concen: 51.804 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.00 min

Lab File: VX006059.D

Acq: 16 Nov 2018 19:21

Instrument :

MSVOA_X

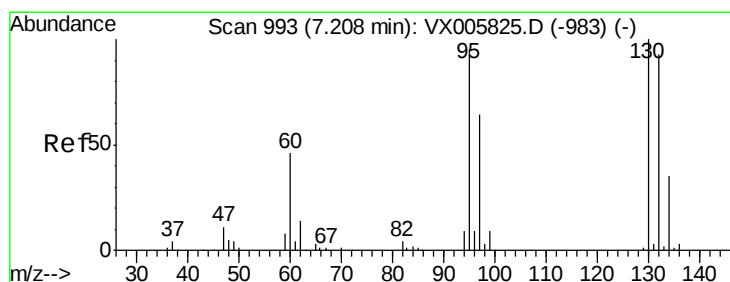
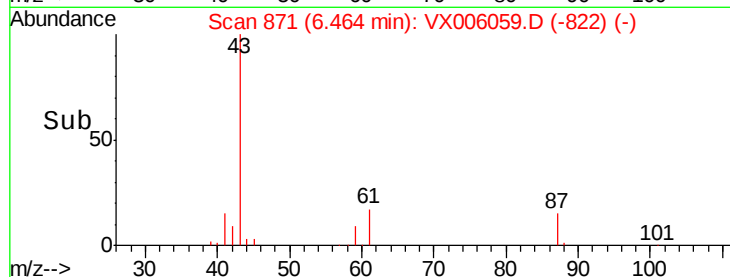
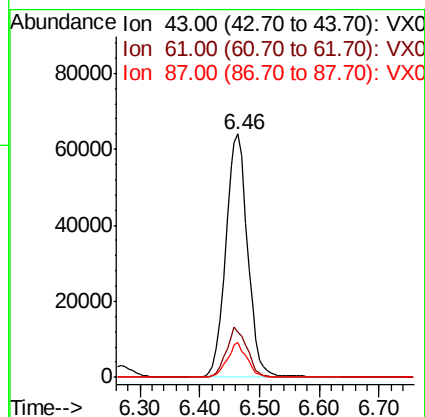
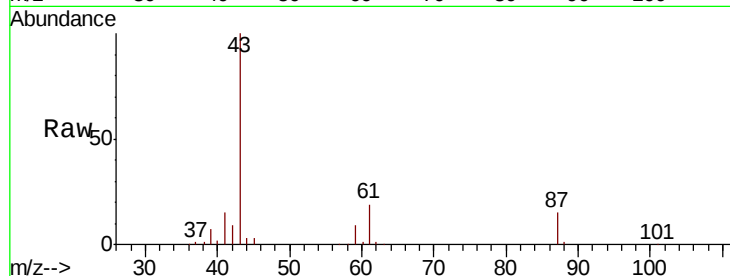
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	162968
Ion	Ratio	Lower	Upper
43	100		
61	19.9	14.6	22.0
87	13.0	9.6	14.4

Manual Integrations
APPROVED

MMDadoda
11/19/2018 12:22:58 PM



#44

Trichloroethene

Concen: 47.955 ug/l

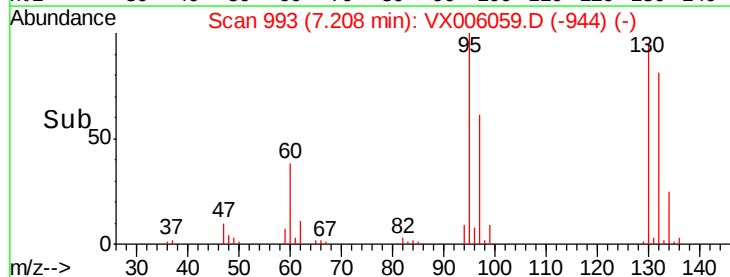
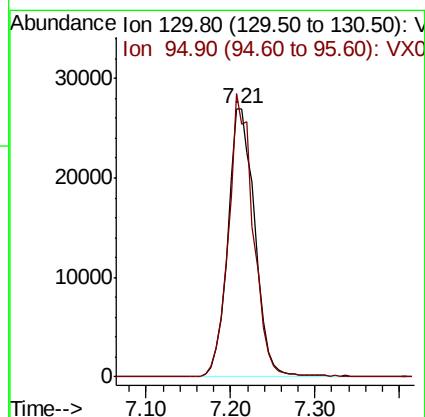
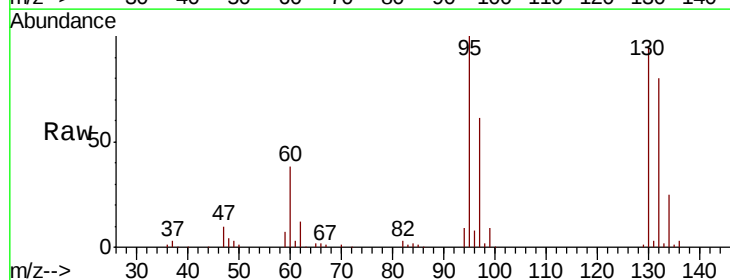
RT: 7.21 min Scan# 993

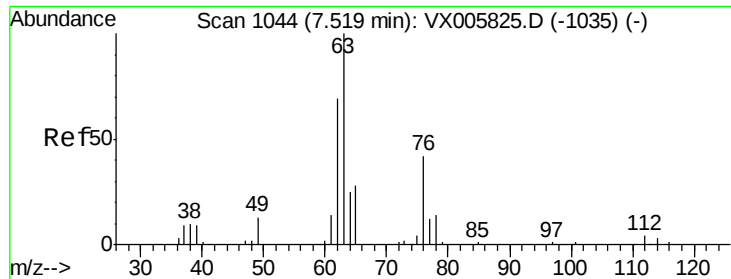
Delta R.T. -0.00 min

Lab File: VX006059.D

Acq: 16 Nov 2018 19:21

Tgt Ion:	130	Resp:	58613
Ion	Ratio	Lower	Upper
130	100		
95	105.6	0.0	194.2





#45

1,2-Dichloropropane

Concen: 52.132 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX006059.D

Acq: 16 Nov 2018 19:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 60899

Ion Ratio Lower Upper

63 100

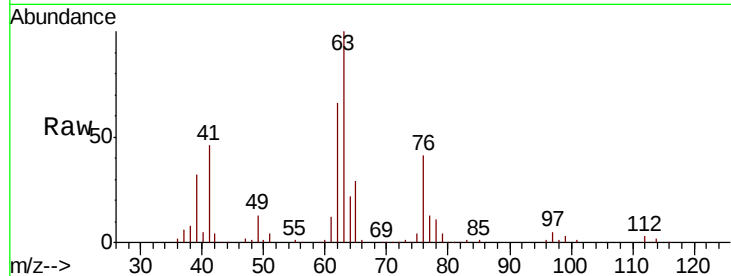
65 29.4 24.8 37.2

Manual Integrations

APPROVED

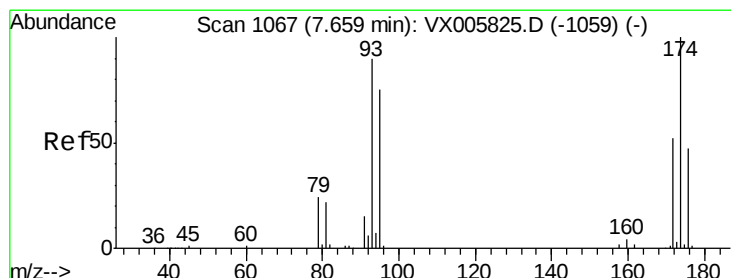
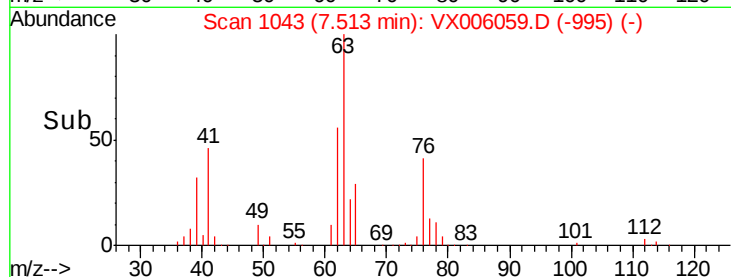
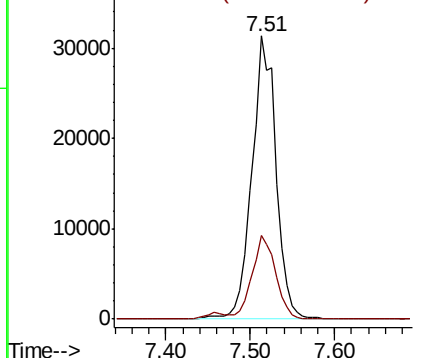
MMDadoda

11/19/2018 12:22:58 PM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 49.489 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX006059.D

Acq: 16 Nov 2018 19:21

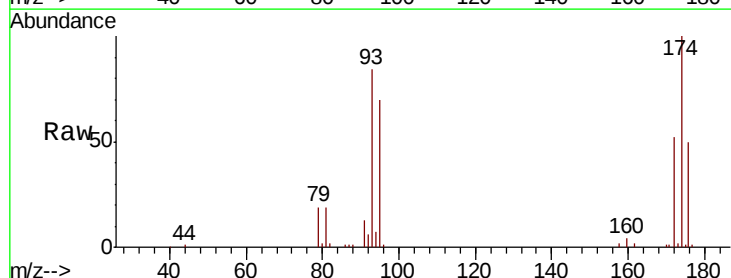
Tgt Ion: 93 Resp: 36277

Ion Ratio Lower Upper

93 100

95 84.2 67.4 101.0

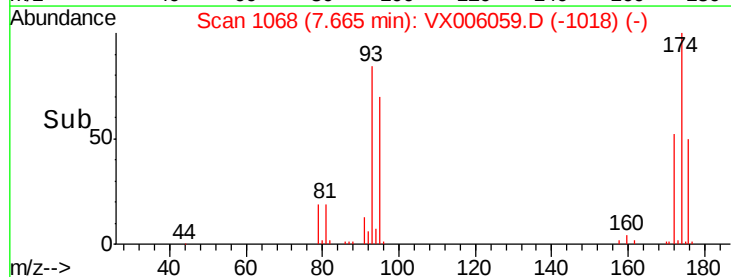
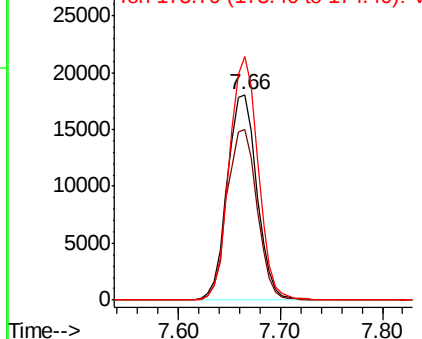
174 114.7 91.5 137.3

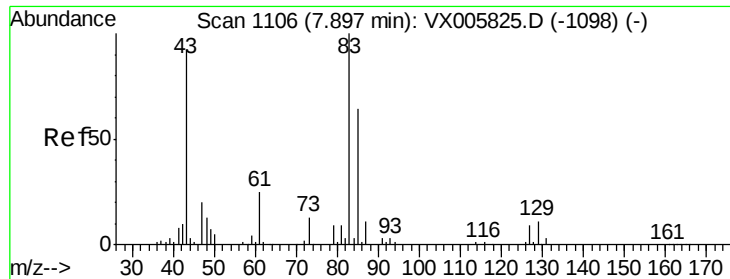


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 50.952 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VX006059.D

Acq: 16 Nov 2018 19:21

Instrument :

MSVOA_X

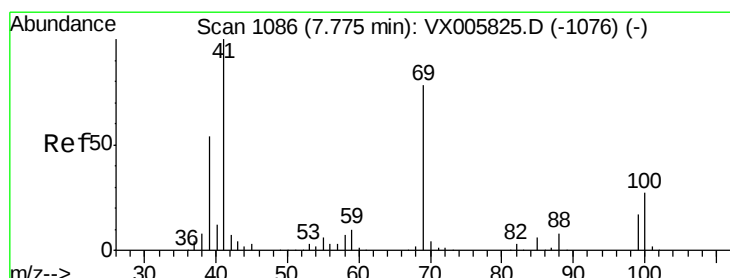
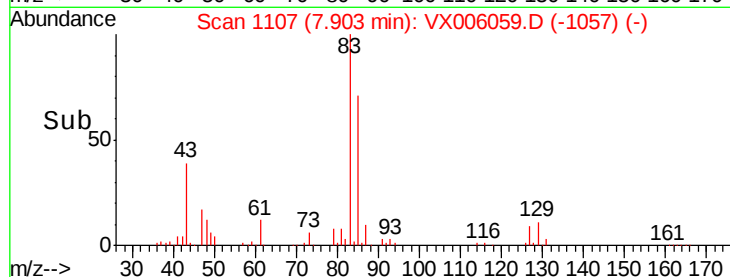
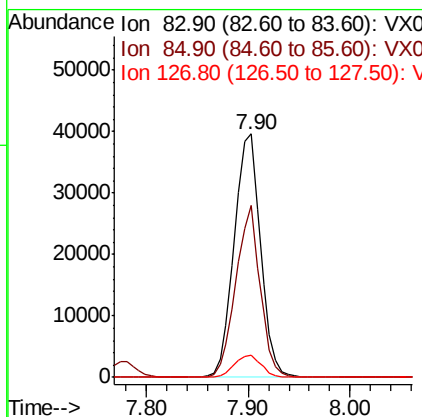
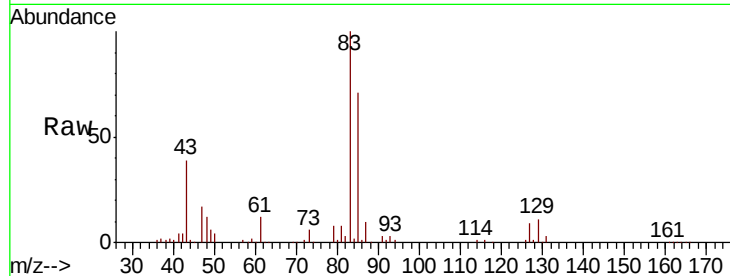
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	70585
Ion Ratio	Lower	Upper	
83	100		
85	70.7	50.2	75.4
127	9.0	6.9	10.3

Manual Integrations
APPROVED

MMDadoda
11/19/2018 12:22:58 PM



#48

Methyl methacrylate

Concen: 52.675 ug/l

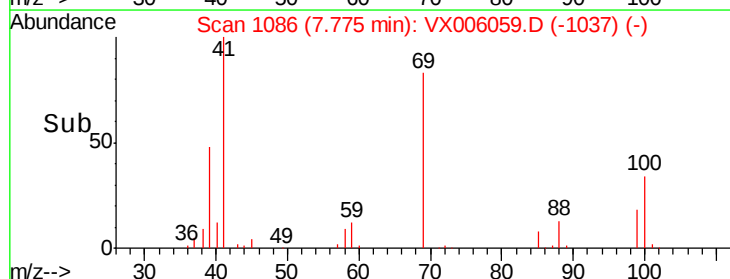
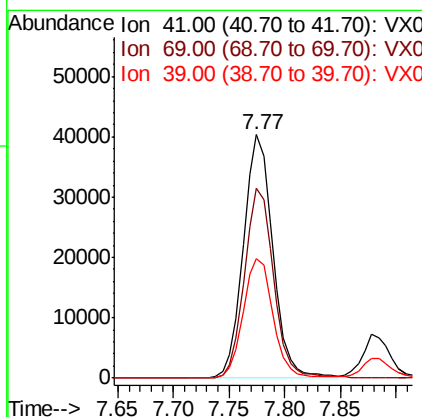
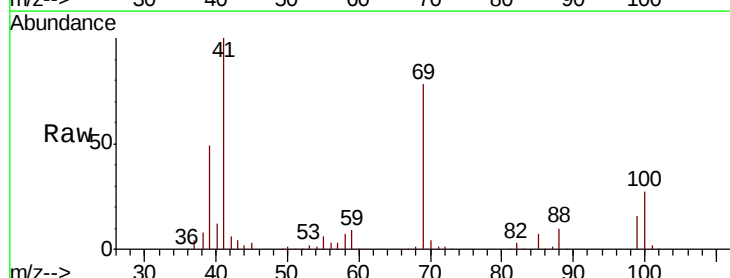
RT: 7.77 min Scan# 1086

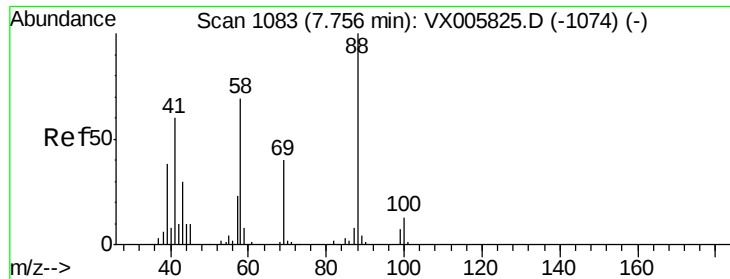
Delta R.T. -0.00 min

Lab File: VX006059.D

Acq: 16 Nov 2018 19:21

Tgt Ion:	41	Resp:	74406
Ion Ratio	Lower	Upper	
41	100		
69	77.9	63.2	94.8
39	49.8	42.2	63.2





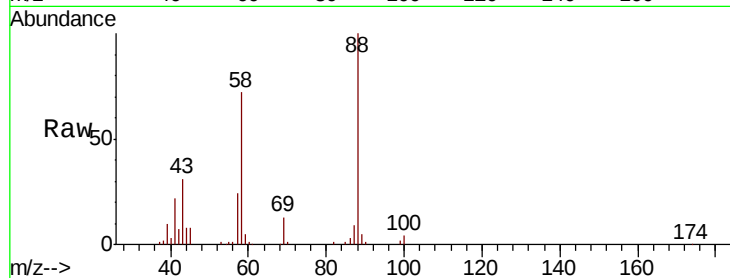
#49
1,4-Dioxane
Concen: 1067.902 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX006059.D
Acq: 16 Nov 2018 19:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.1	27.4	41.0
58	74.8	59.4	89.2

Manual Integrations
APPROVED

MMDadoda
11/19/2018 12:22:58 PM

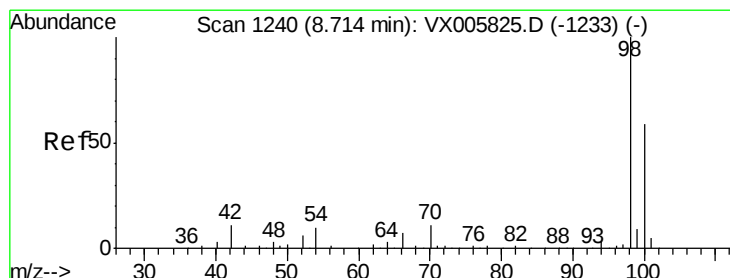
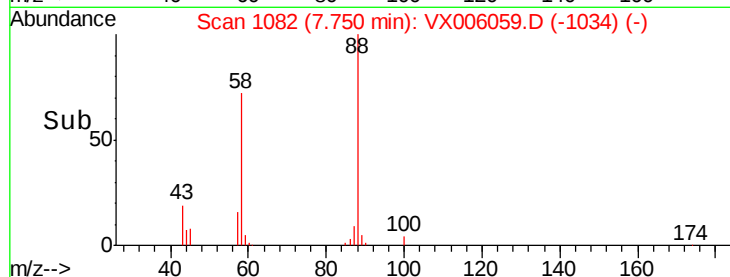
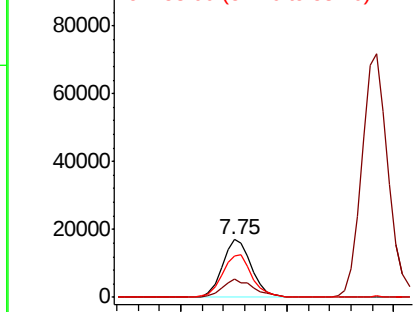


Abundance

Ion 88.00 (87.70 to 88.70): VX0

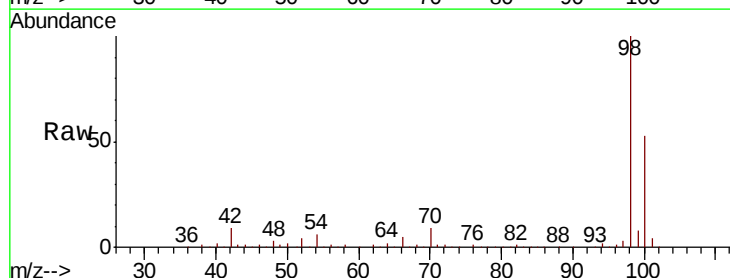
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 52.839 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VX006059.D
Acq: 16 Nov 2018 19:21

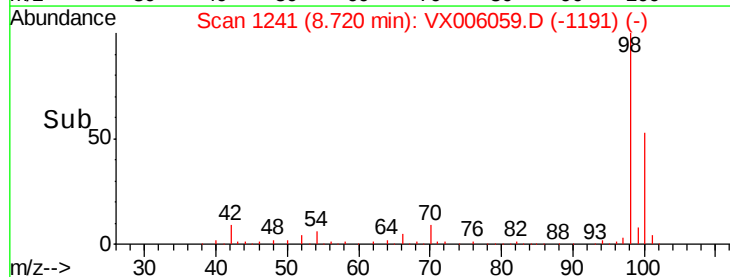
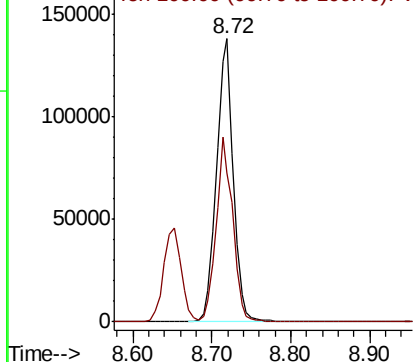
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.3	76.9

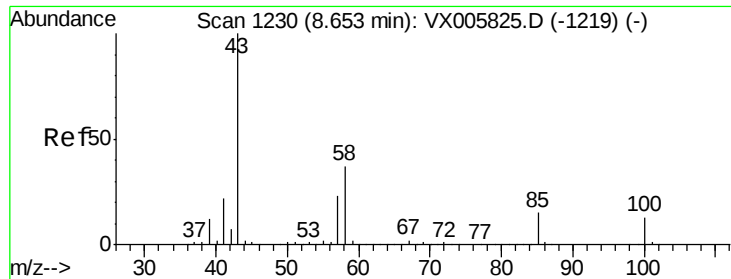


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 254.911 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX006059.D

Acq: 16 Nov 2018 19:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 505393

Ion Ratio Lower Upper

43 100

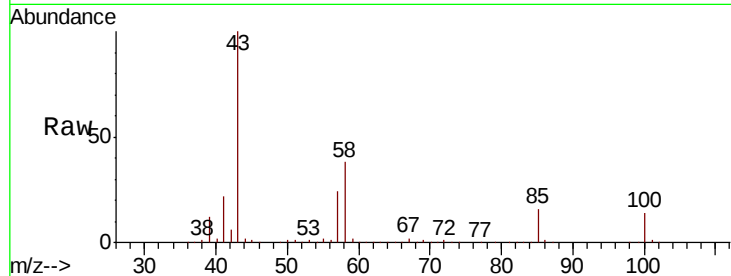
58 38.1 29.7 44.5

Manual Integrations

APPROVED

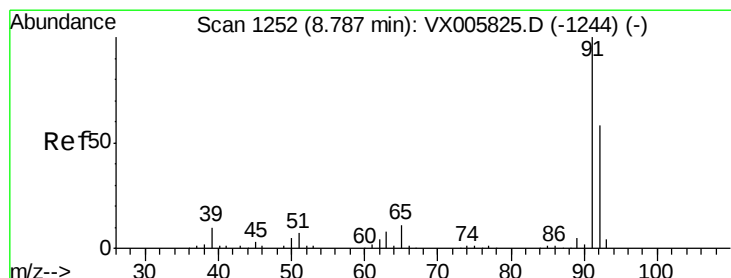
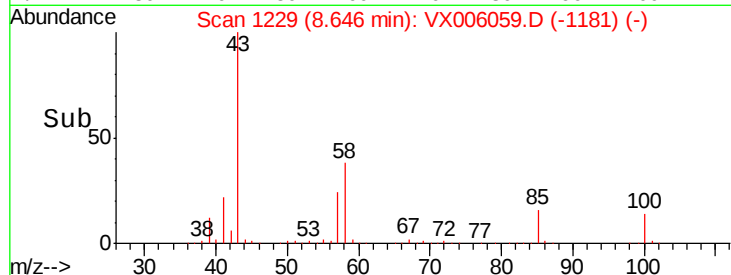
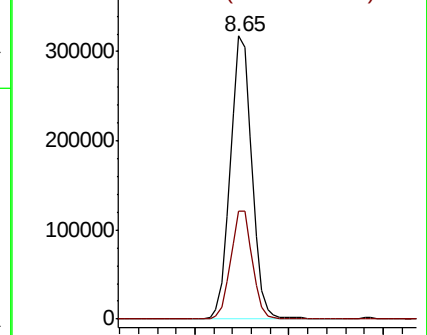
MMDadoda

11/19/2018 12:22:58 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 51.984 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX006059.D

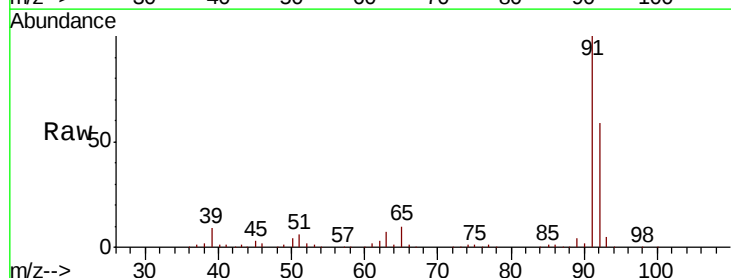
Acq: 16 Nov 2018 19:21

Tgt Ion: 92 Resp: 139829

Ion Ratio Lower Upper

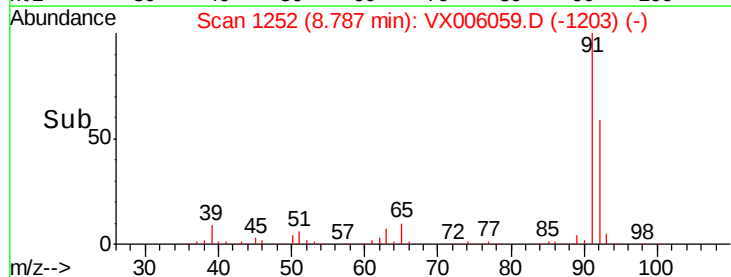
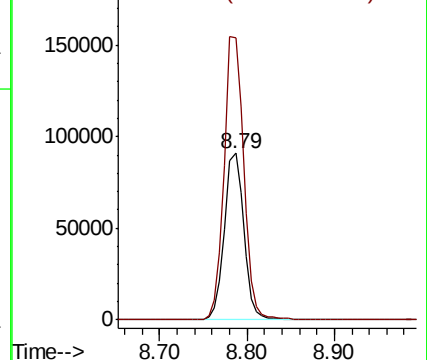
92 100

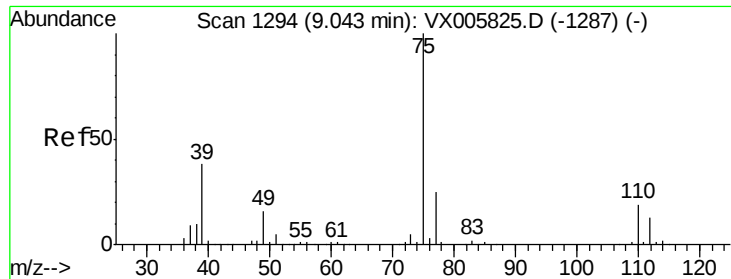
91 172.1 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





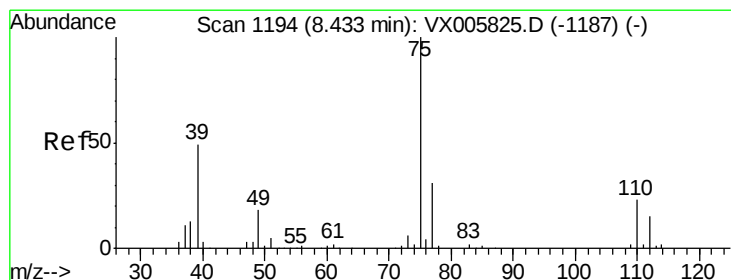
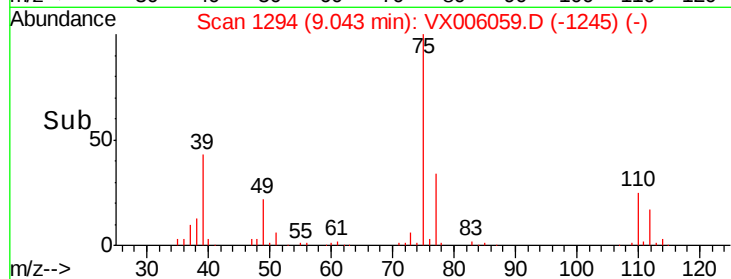
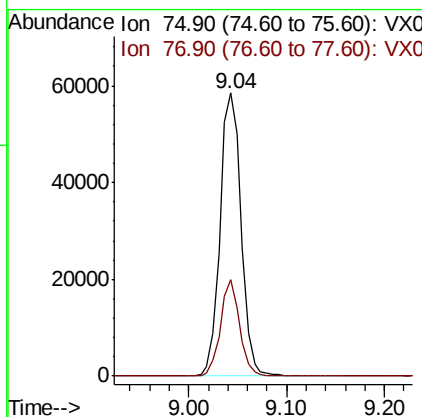
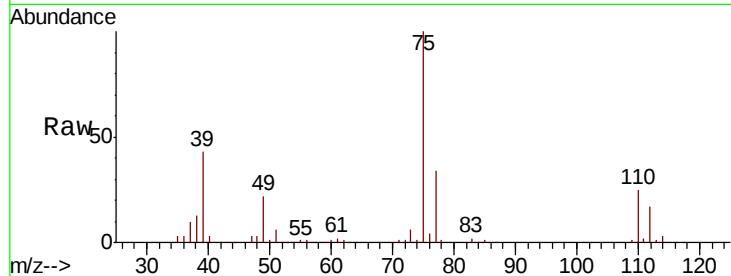
#53
t-1,3-Dichloropropene
Concen: 53.316 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX006059.D
Acq: 16 Nov 2018 19:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 87162
Ion Ratio Lower Upper
75 100
77 34.3 25.4 38.2

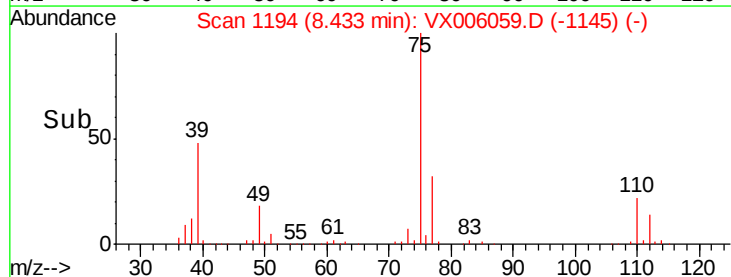
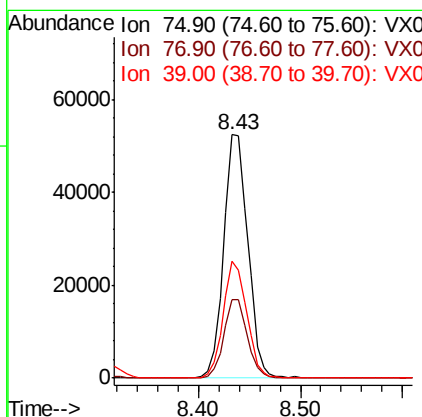
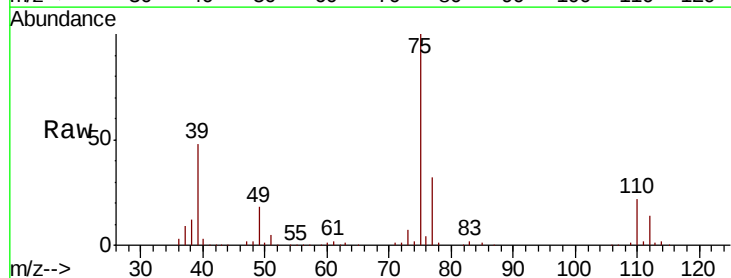
Manual Integrations
APPROVED

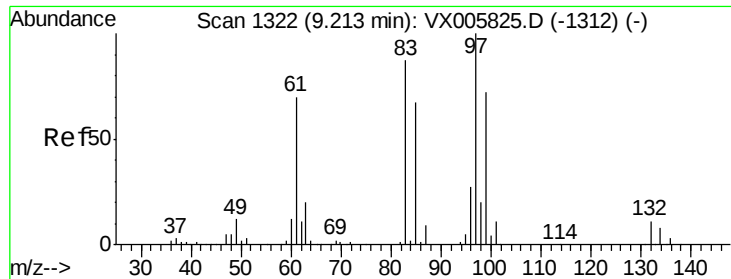
MMDadoda
11/19/2018 12:22:58 PM



#54
cis-1,3-Dichloropropene
Concen: 51.716 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX006059.D
Acq: 16 Nov 2018 19:21

Tgt Ion: 75 Resp: 86175
Ion Ratio Lower Upper
75 100
77 32.2 25.2 37.8
39 47.7 38.2 57.2





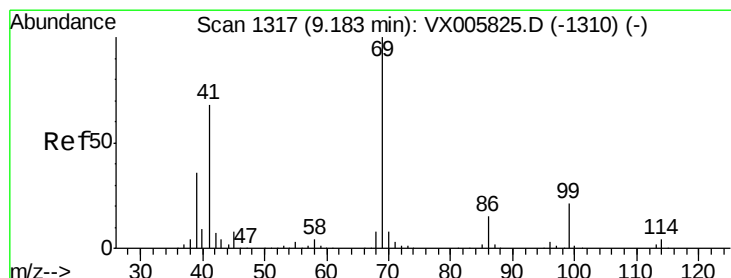
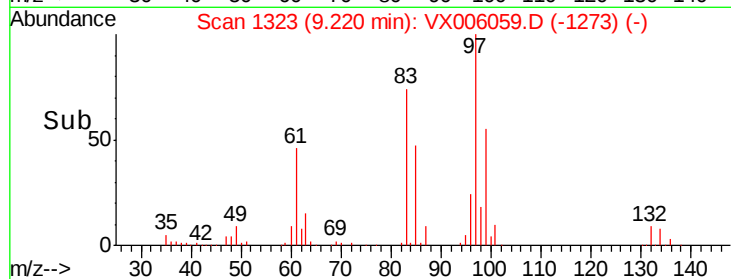
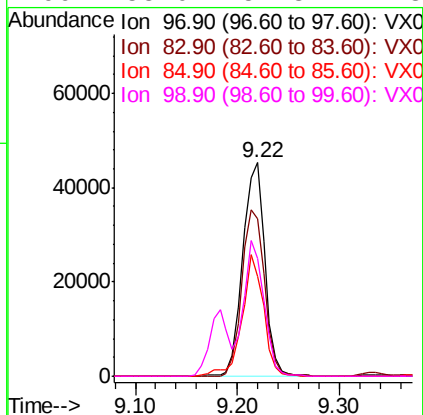
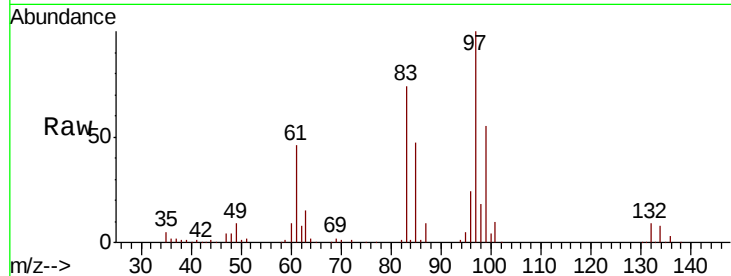
#55
 1,1,2-Trichloroethane
 Concen: 56.719 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VX006059.D
 Acq: 16 Nov 2018 19:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	67995
Ion	Ratio	Lower	Upper
97	100		
83	74.0	70.7	106.1
85	46.6	45.8	68.6
99	55.0	51.8	77.8

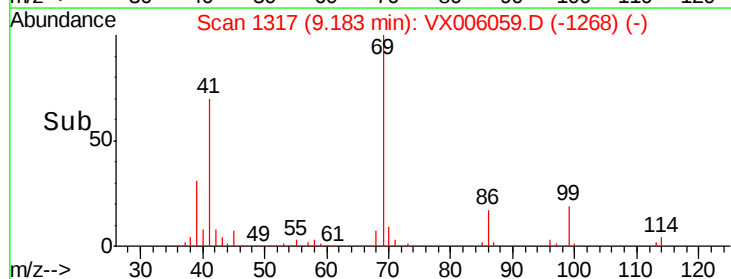
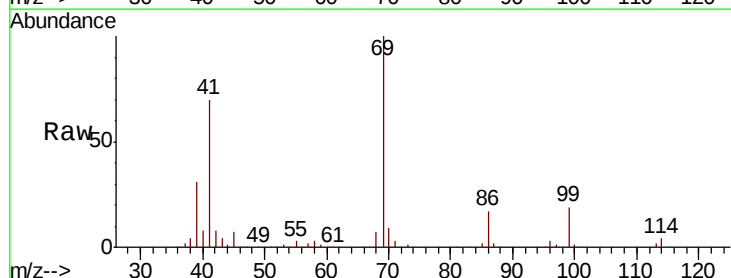
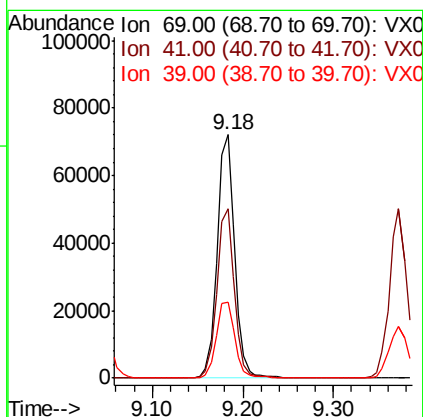
Manual Integrations
 APPROVED

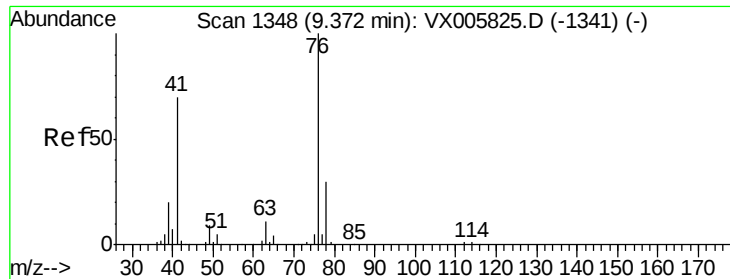
MMDadoda
 11/19/2018 12:22:58 PM



#56
 Ethyl methacrylate
 Concen: 53.843 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX006059.D
 Acq: 16 Nov 2018 19:21

Tgt Ion:	69	Resp:	96579
Ion	Ratio	Lower	Upper
69	100		
41	69.6	57.0	85.6
39	33.4	28.3	42.5





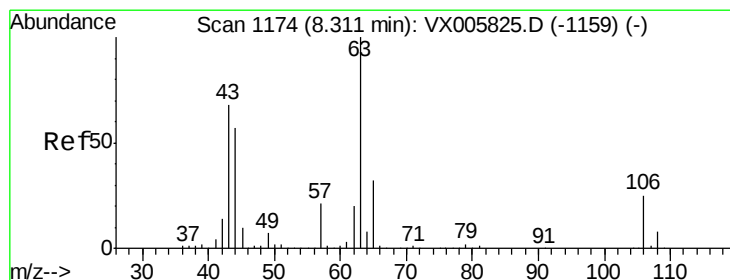
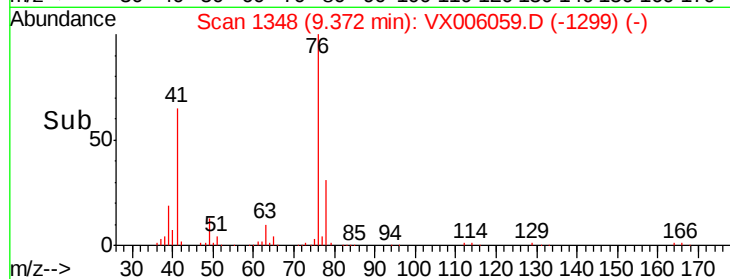
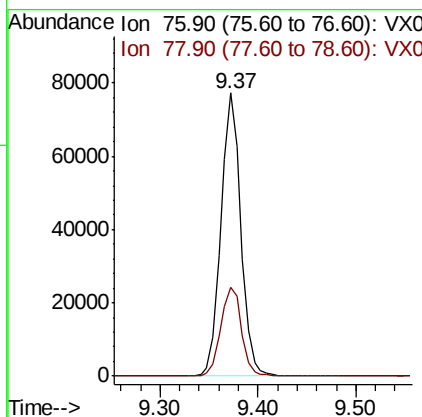
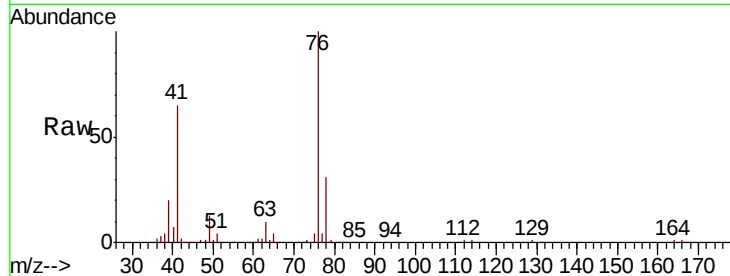
#57
 1,3-Dichloropropane
 Concen: 53.923 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX006059.D
 Acq: 16 Nov 2018 19:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.3	37.9

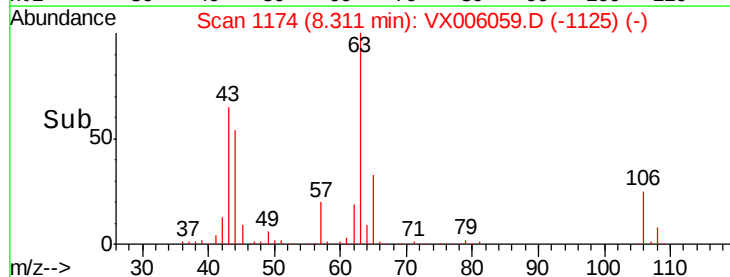
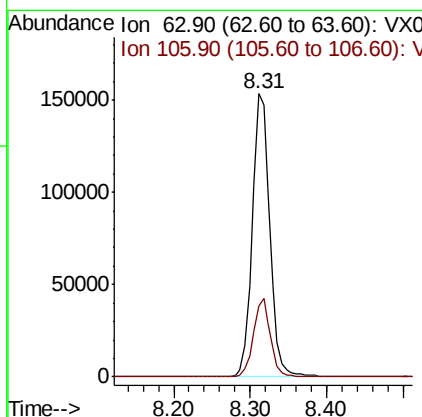
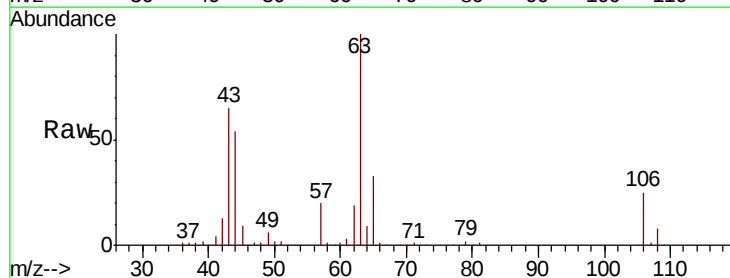
Manual Integrations
 APPROVED

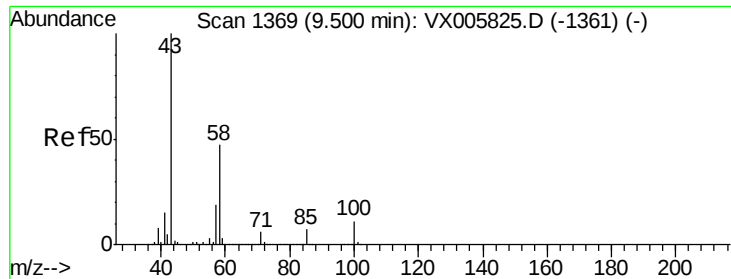
MMDadoda
 11/19/2018 12:22:58 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 250.334 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX006059.D
 Acq: 16 Nov 2018 19:21

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.7	21.3	31.9





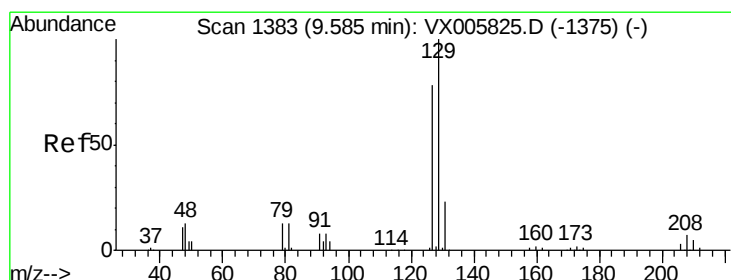
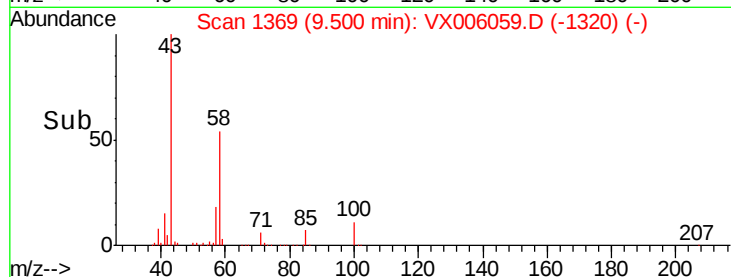
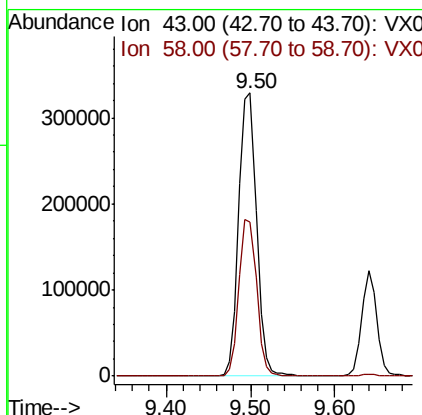
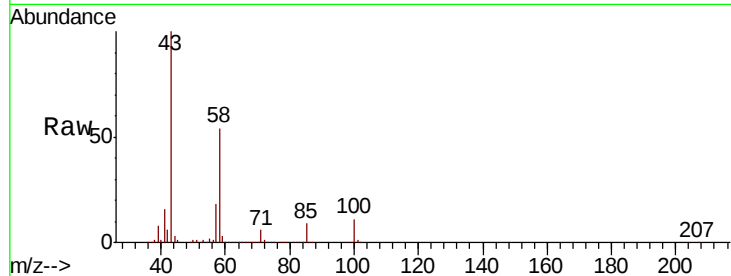
#59
2-Hexanone
Concen: 266.746 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX006059.D
Acq: 16 Nov 2018 19:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 466164
Ion Ratio Lower Upper
43 100
58 55.3 25.9 77.8

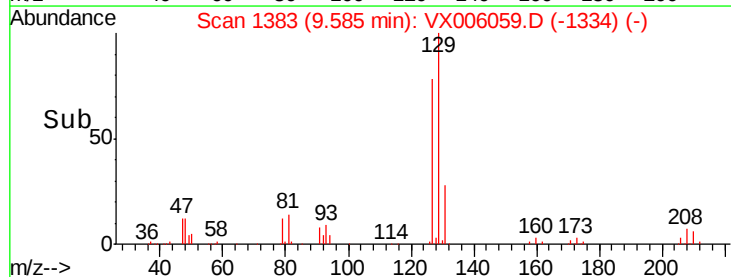
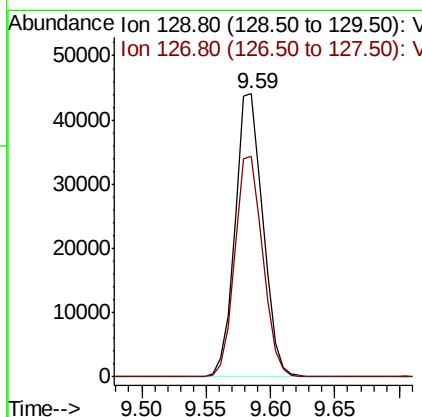
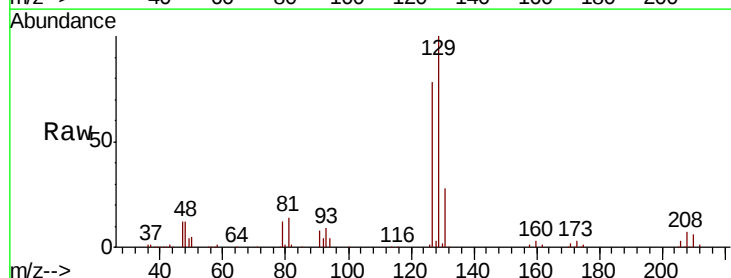
Manual Integrations
APPROVED

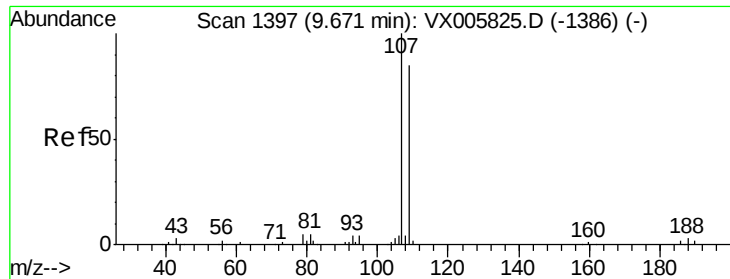
MMDadoda
11/19/2018 12:22:58 PM



#60
Dibromochloromethane
Concen: 51.170 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX006059.D
Acq: 16 Nov 2018 19:21

Tgt Ion: 129 Resp: 66295
Ion Ratio Lower Upper
129 100
127 78.4 38.9 116.7





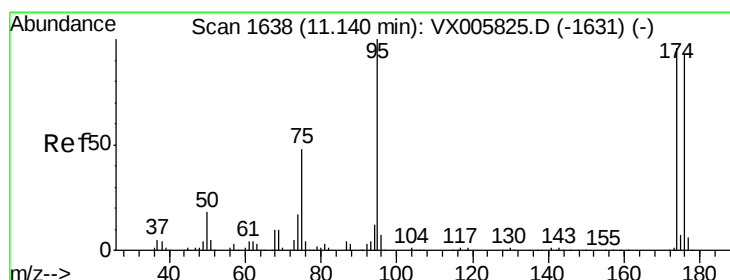
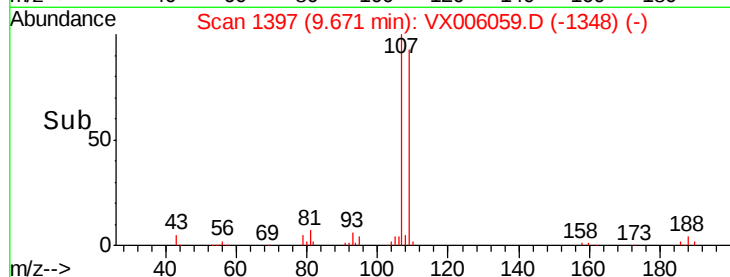
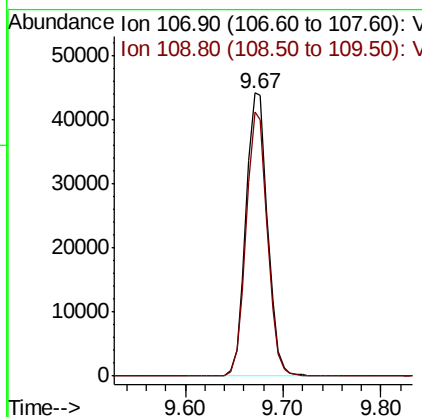
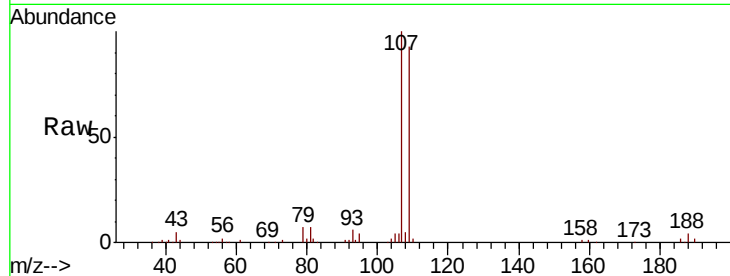
#61
 1,2-Dibromoethane
 Concen: 51.110 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX006059.D
 Acq: 16 Nov 2018 19:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.7	75.7	113.5

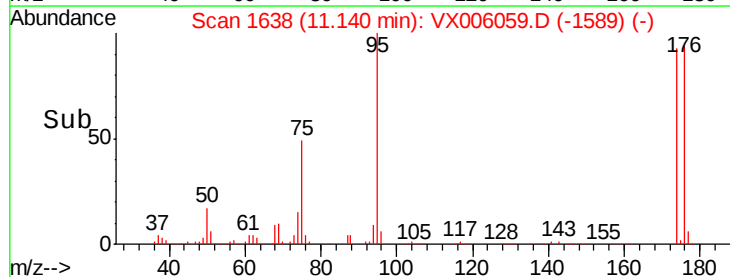
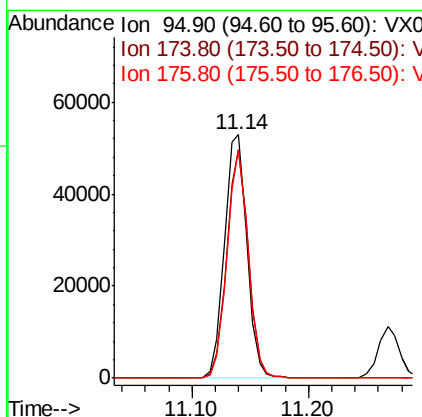
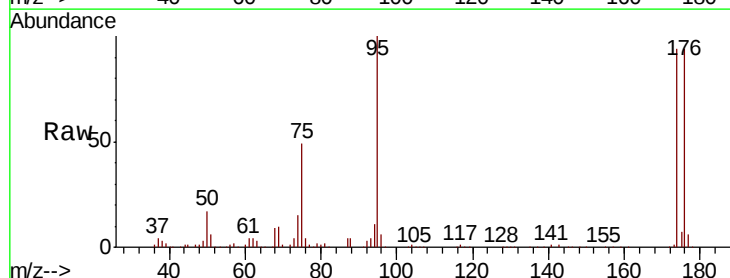
Manual Integrations
 APPROVED

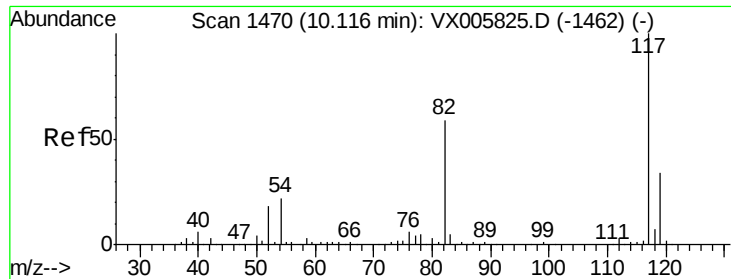
MMDadoda
 11/19/2018 12:22:58 PM



#62
 4-Bromofluorobenzene
 Concen: 50.658 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: VX006059.D
 Acq: 16 Nov 2018 19:21

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.5	0.0	184.4
176	88.7	0.0	177.4





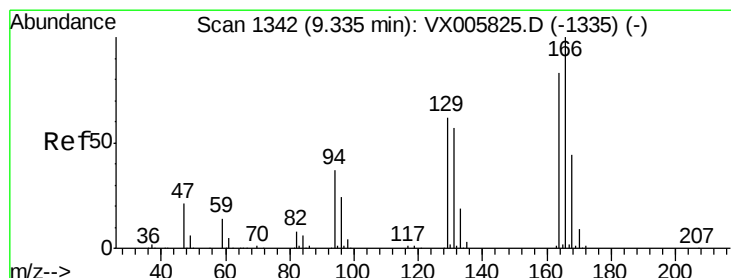
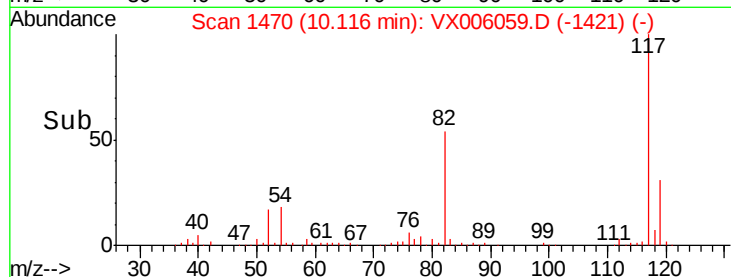
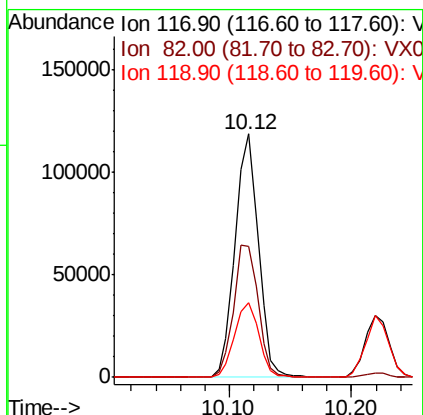
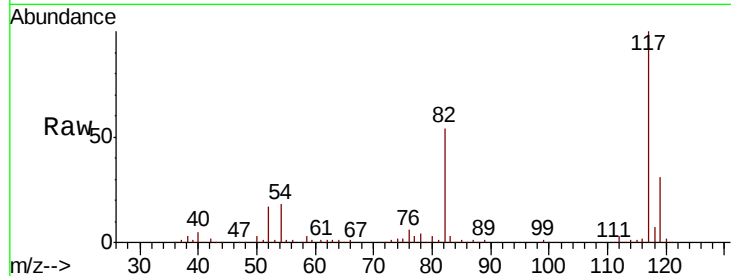
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX006059.D
Acq: 16 Nov 2018 19:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.5	44.1	66.1
119	30.8	26.2	39.2

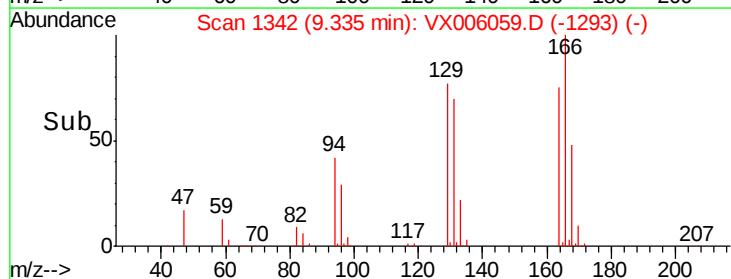
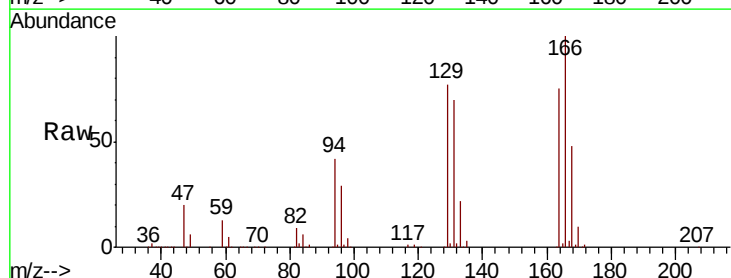
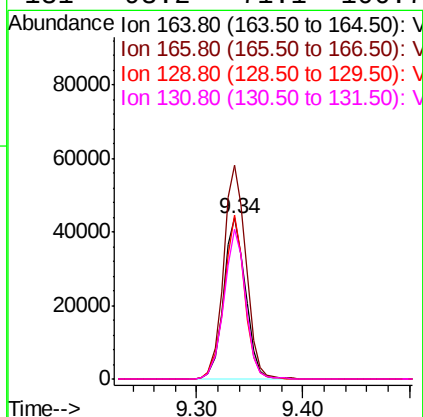
Manual Integrations
APPROVED

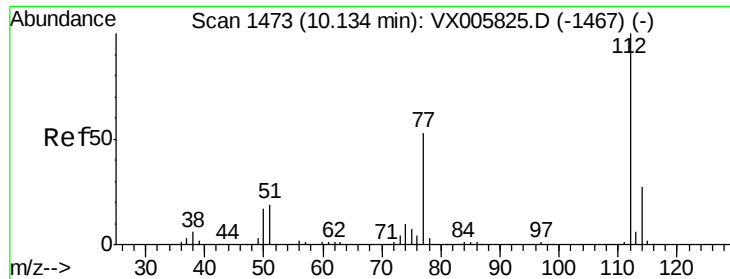
MMDadoda
11/19/2018 12:22:58 PM



#64
Tetrachloroethene
Concen: 47.424 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX006059.D
Acq: 16 Nov 2018 19:21

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.7	101.9	152.9
129	101.6	72.6	109.0
131	93.2	71.1	106.7





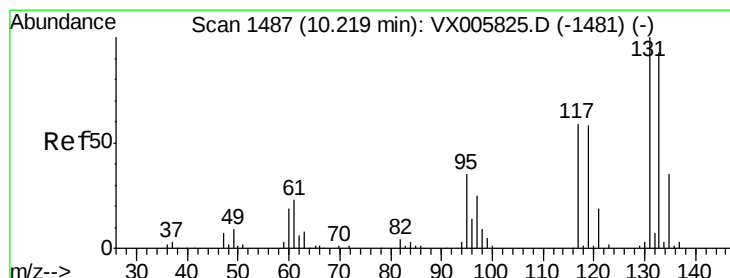
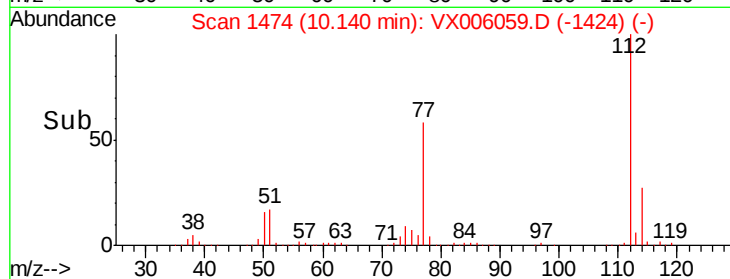
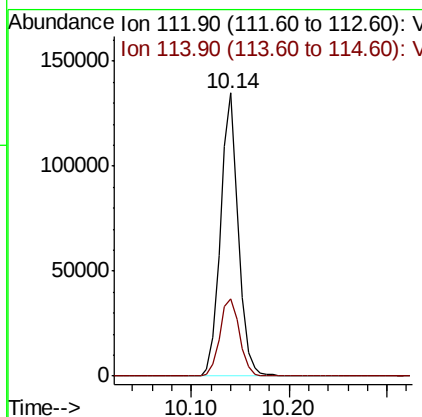
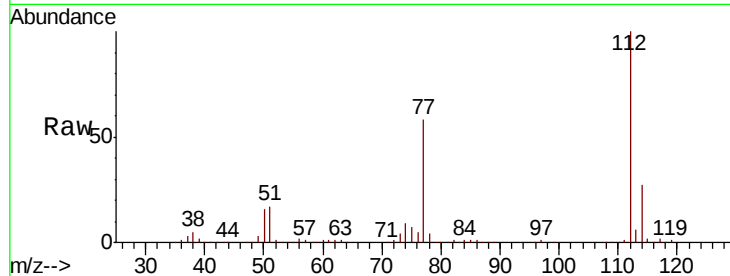
#65
Chlorobenzene
Concen: 53.949 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX006059.D
Acq: 16 Nov 2018 19:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 168920
Ion Ratio Lower Upper
112 100
114 27.1 25.8 38.6

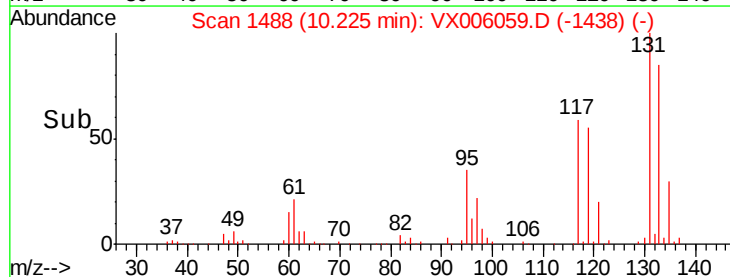
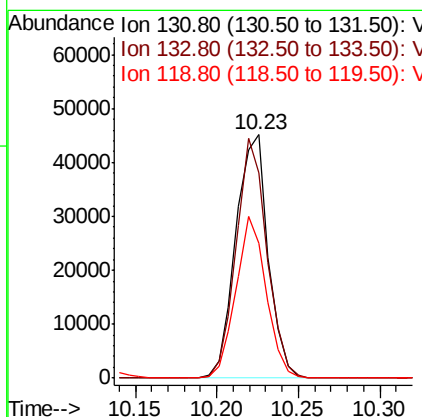
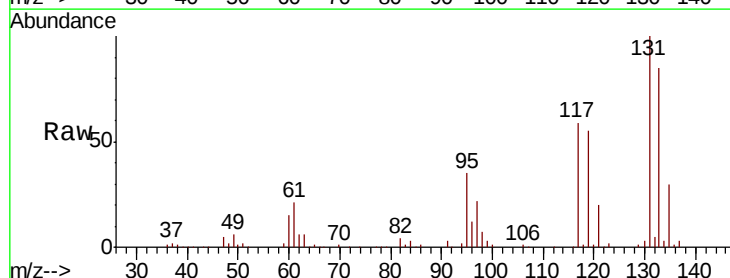
Manual Integrations
APPROVED

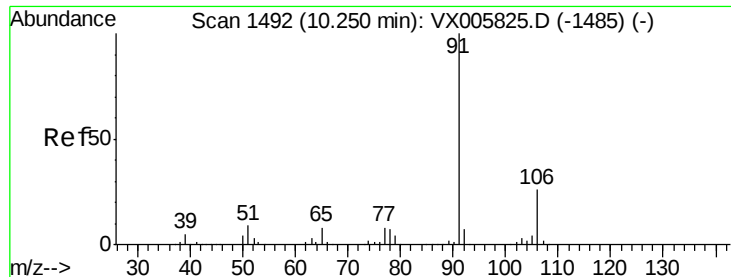
MMDadoda
11/19/2018 12:22:58 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 57.212 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VX006059.D
Acq: 16 Nov 2018 19:21

Tgt Ion:131 Resp: 62278
Ion Ratio Lower Upper
131 100
133 93.8 47.5 142.5
119 62.5 31.8 95.3





#67

Ethyl Benzene

Concen: 56.805 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. 0.01 min

Lab File: VX006059.D

Acq: 16 Nov 2018 19:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 285205

Ion Ratio Lower Upper

91 100

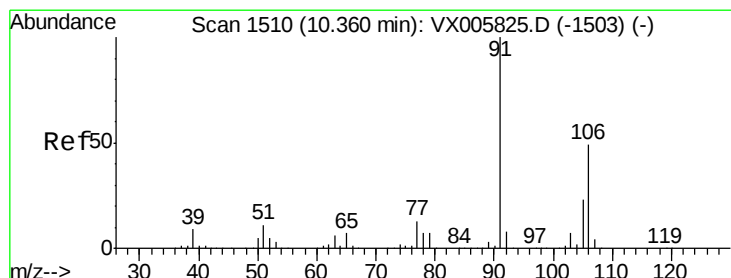
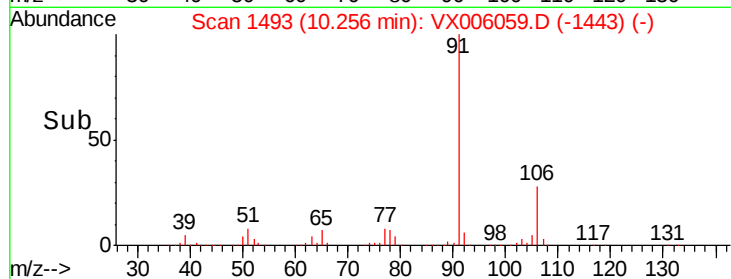
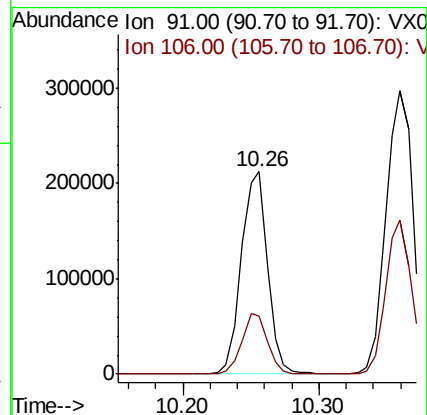
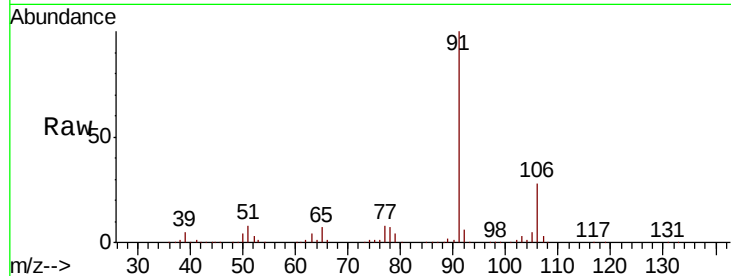
106 28.4 24.4 36.6

Manual Integrations

APPROVED

MMDadoda

11/19/2018 12:22:58 PM



#68

m/p-Xylenes

Concen: 112.594 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX006059.D

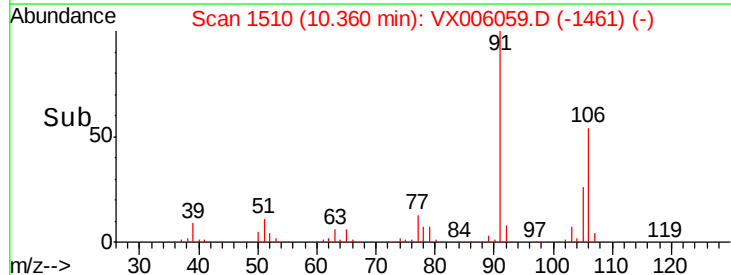
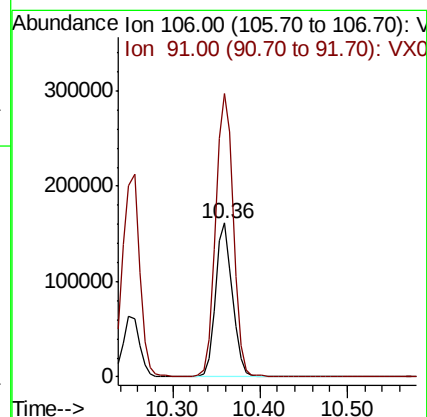
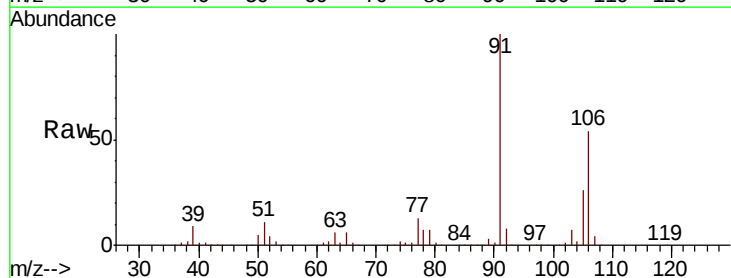
Acq: 16 Nov 2018 19:21

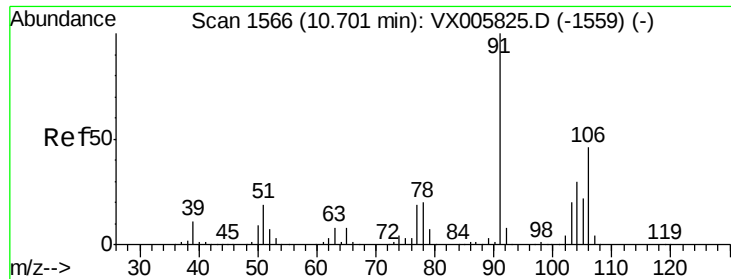
Tgt Ion: 106 Resp: 215630

Ion Ratio Lower Upper

106 100

91 193.6 164.2 246.4





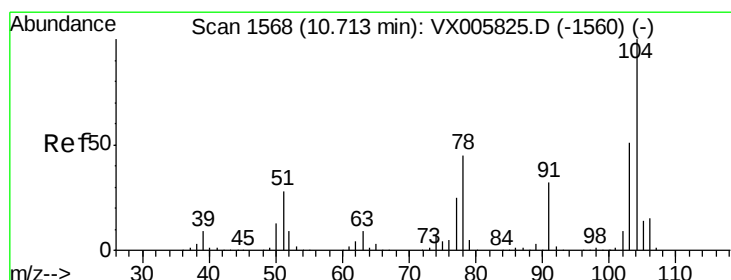
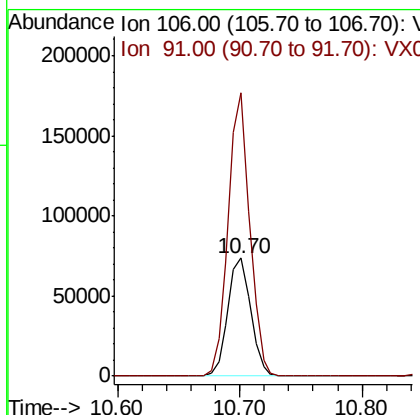
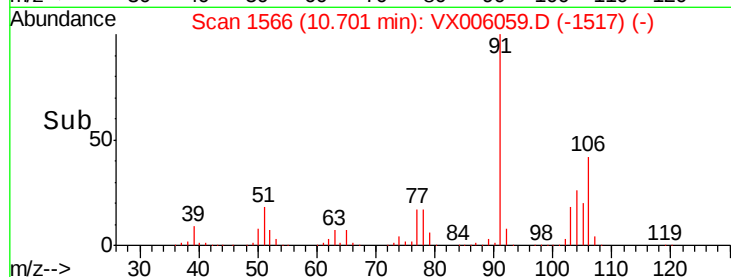
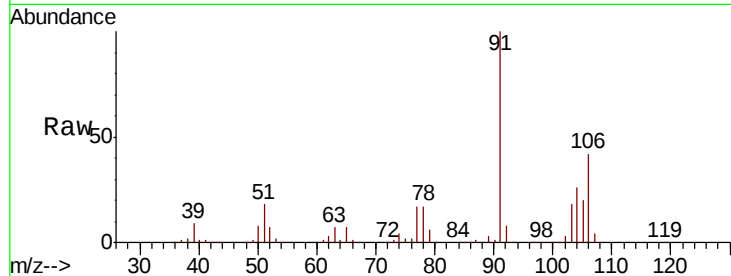
#69
o-Xylene
Concen: 55.684 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX006059.D
Acq: 16 Nov 2018 19:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 95626
Ion Ratio Lower Upper
106 100
91 225.4 108.5 325.5

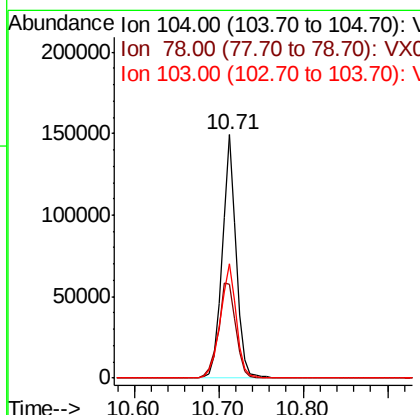
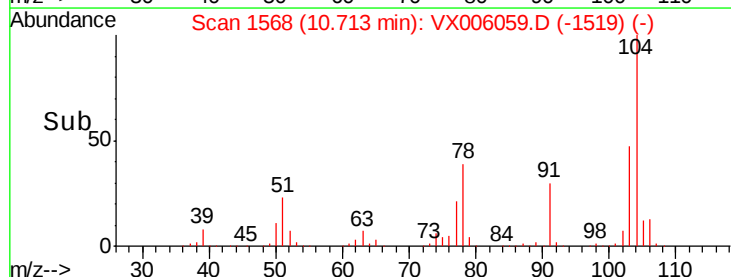
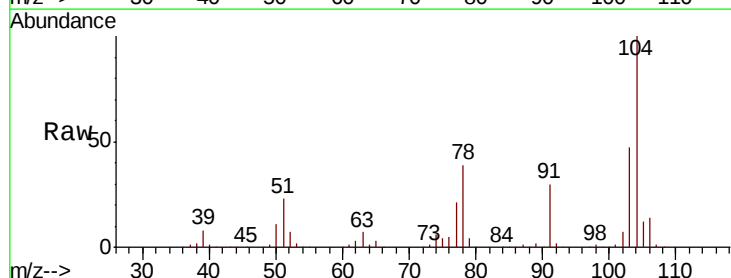
Manual Integrations
APPROVED

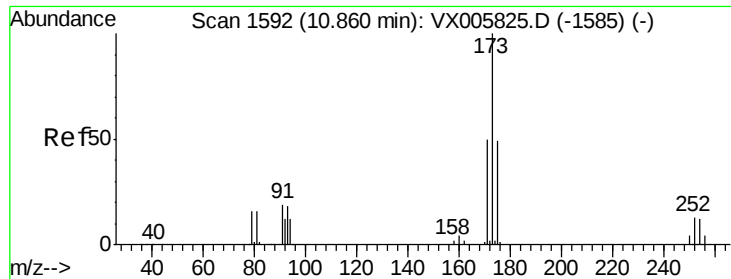
MMDadoda
11/19/2018 12:22:58 PM



#70
Styrene
Concen: 60.042 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX006059.D
Acq: 16 Nov 2018 19:21

Tgt Ion:104 Resp: 170092
Ion Ratio Lower Upper
104 100
78 49.6 40.2 60.4
103 54.2 44.9 67.3





#71

Bromoform

Concen: 59.174 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX006059.D

Acq: 16 Nov 2018 19:21

Instrument :

MSVOA_X

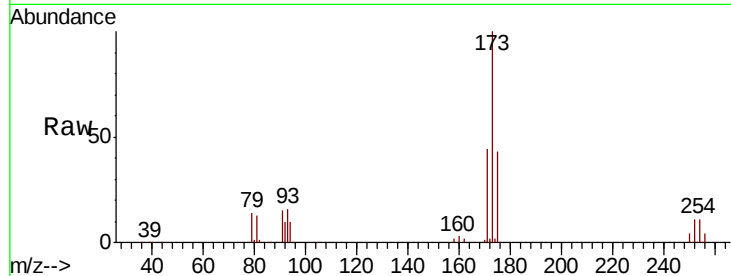
ClientSampleId :

VSTDCCC050EC

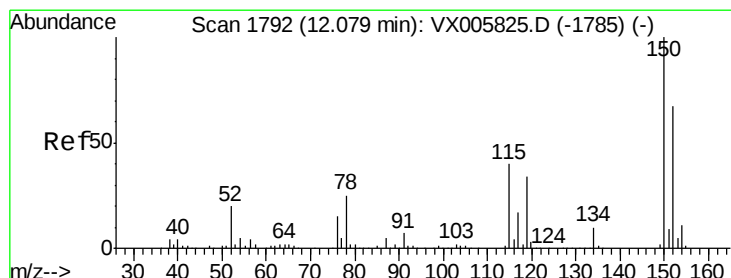
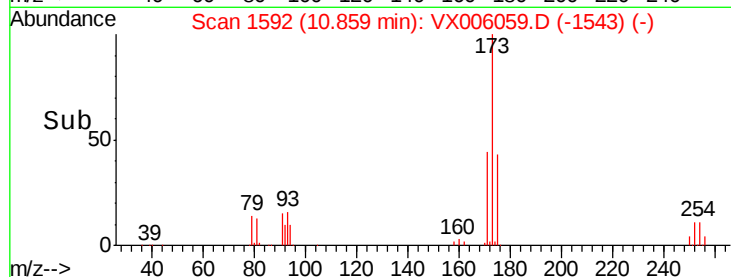
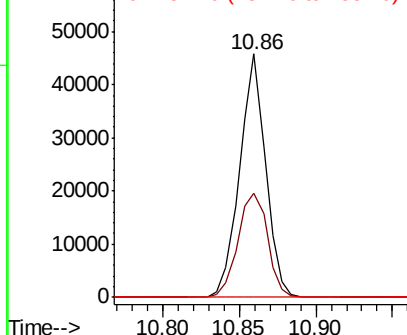
Tot Ion:173	Resp:	53997
Ion Ratio	Lower	Upper
173 100		
175 48.6	24.8	74.3
254 0.2	0.2	0.2

Manual Integrations
APPROVED

MMDadoda
11/19/2018 12:22:58 PM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

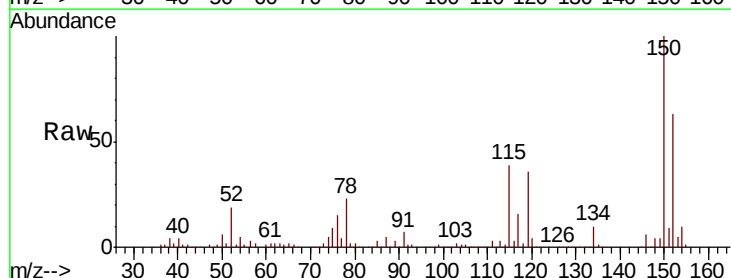
RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

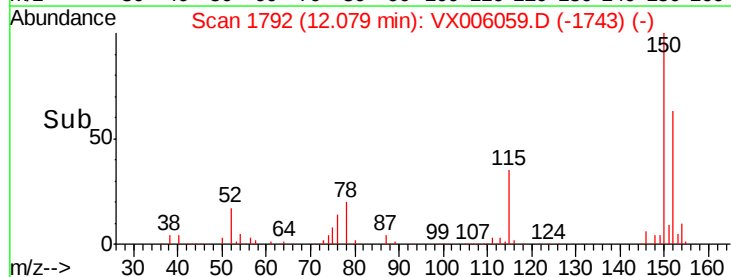
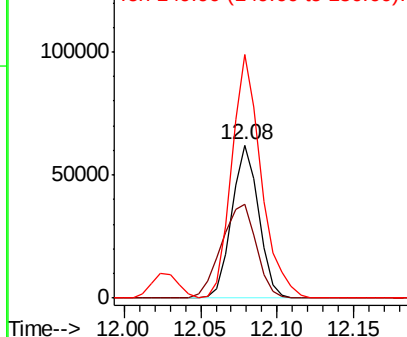
Lab File: VX006059.D

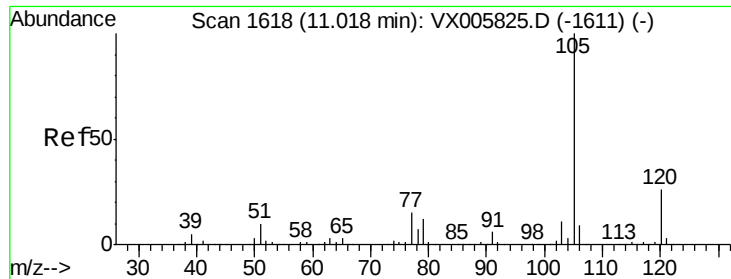
Acq: 16 Nov 2018 19:21

Tgt Ion:152	Resp:	75569
Ion Ratio	Lower	Upper
152 100		
115 79.6	39.4	118.1
150 174.5	0.0	346.4



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





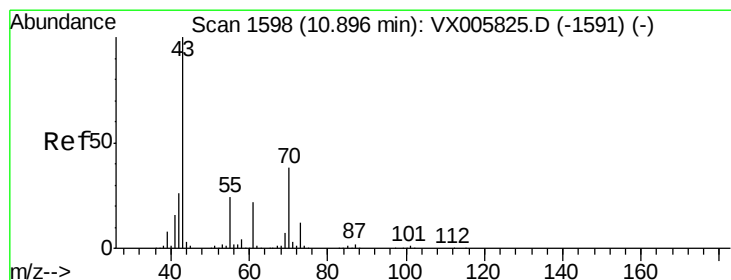
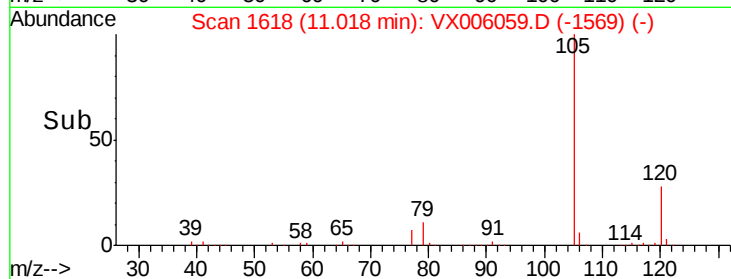
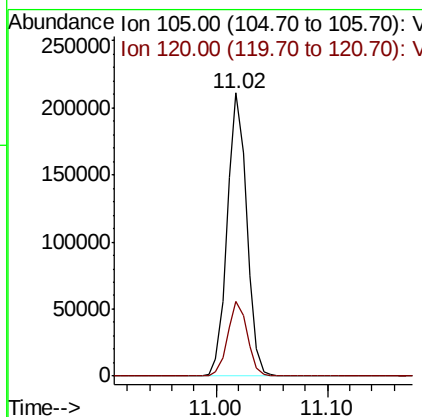
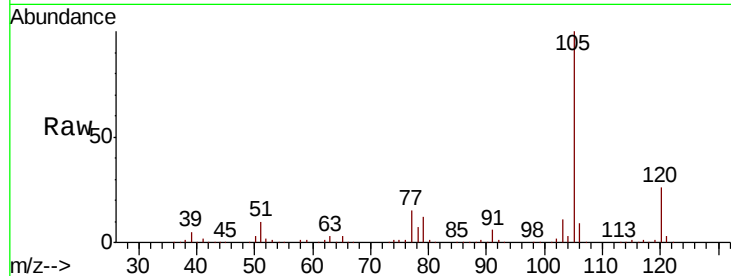
#73
Isopropylbenzene
Concen: 58.373 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX006059.D
Acq: 16 Nov 2018 19:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.1	39.3

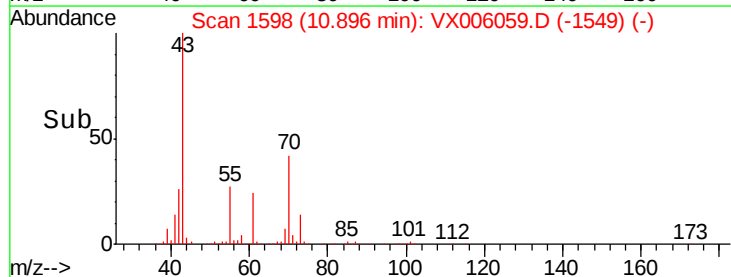
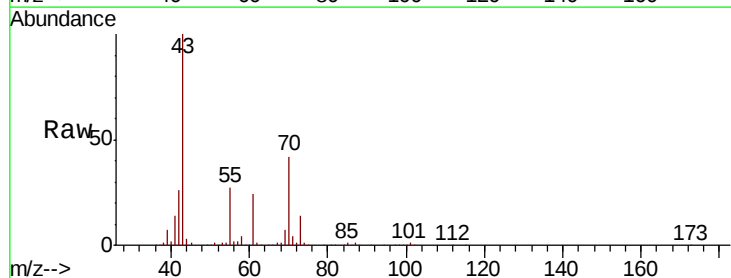
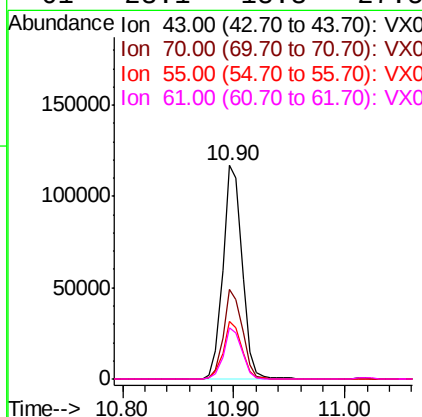
Manual Integrations
APPROVED

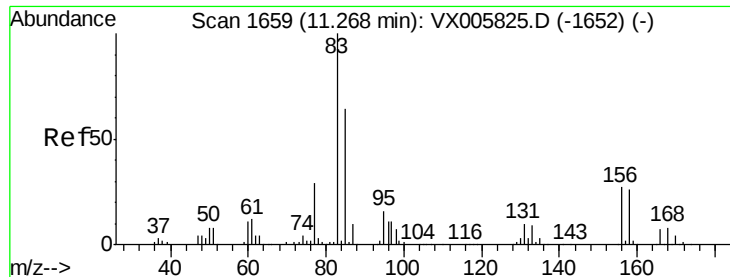
MMDadoda
11/19/2018 12:22:58 PM



#74
N-ethyl acetate
Concen: 56.911 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX006059.D
Acq: 16 Nov 2018 19:21

Tgt Ion	Ratio	Lower	Upper
43	100		
70	41.0	31.6	47.4
55	25.9	19.7	29.5
61	23.1	18.3	27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 57.132 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX006059.D

Acq: 16 Nov 2018 19:21

Instrument :

MSVOA_X

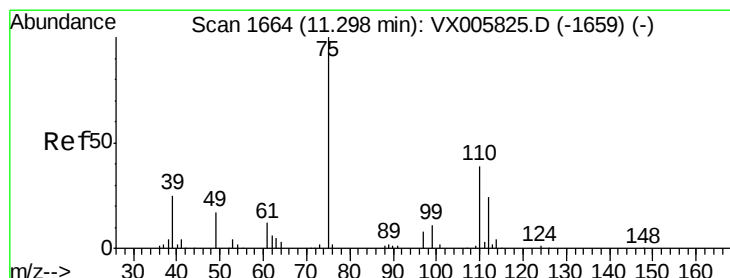
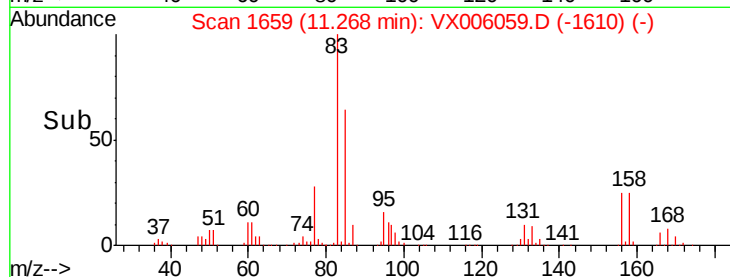
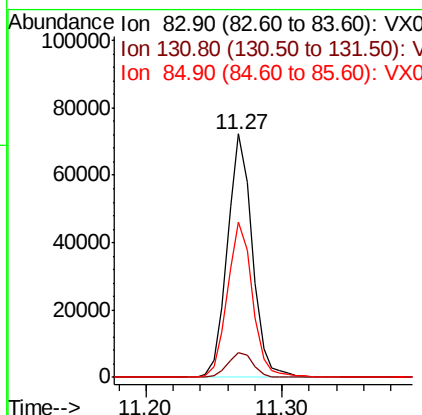
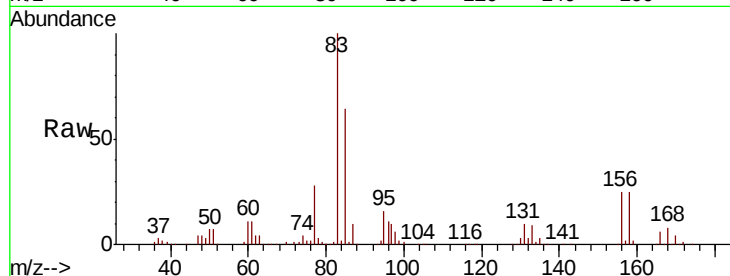
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	91641
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.3	15.9
85	64.5	32.0	96.2

Manual Integrations
APPROVED

MMDadoda
11/19/2018 12:22:58 PM



#76

1,2,3-Trichloropropane

Concen: 56.970 ug/l m

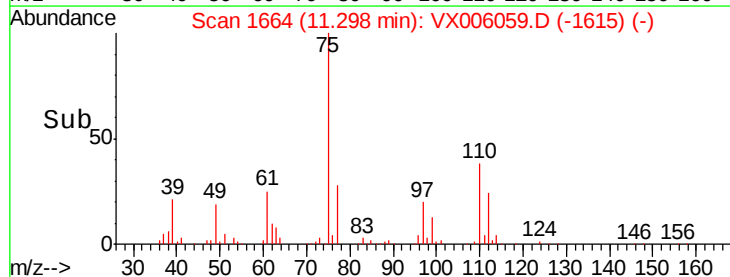
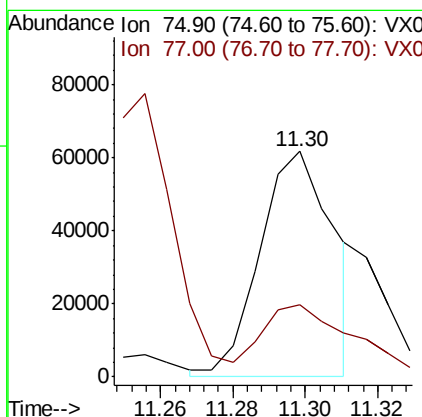
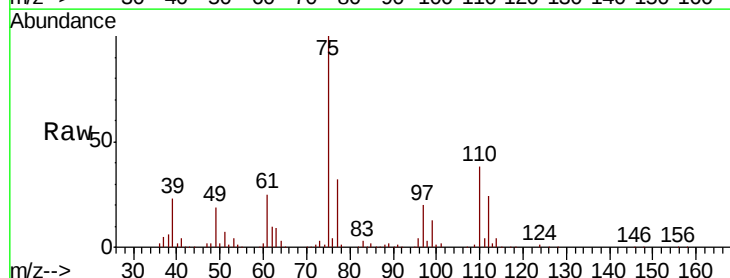
RT: 11.30 min Scan# 1664

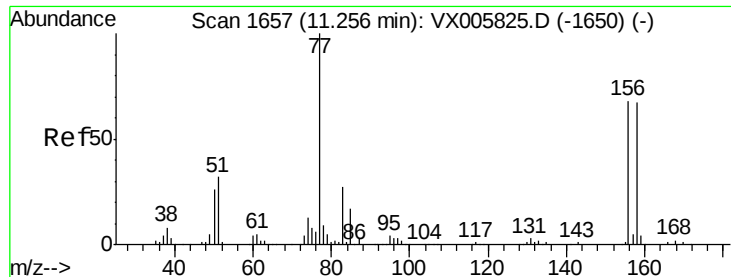
Delta R.T. -0.00 min

Lab File: VX006059.D

Acq: 16 Nov 2018 19:21

Tgt Ion:	75	Resp:	87663
Ion Ratio	Lower	Upper	
75	100		
77	39.4	20.5	61.6





#77

Bromobenzene

Concen: 55.165 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX006059.D

Acq: 16 Nov 2018 19:21

Instrument :

MSVOA_X

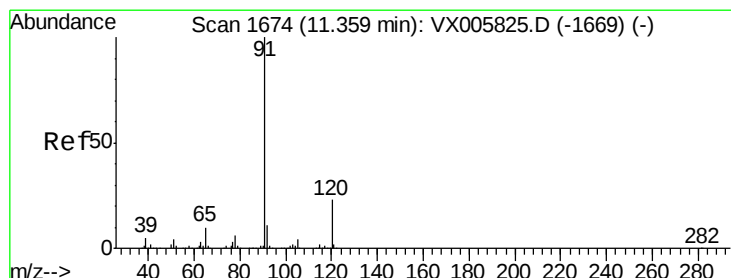
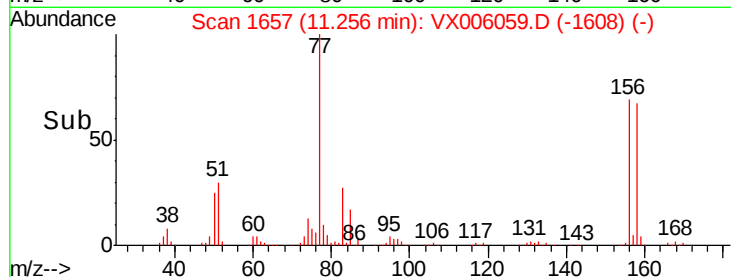
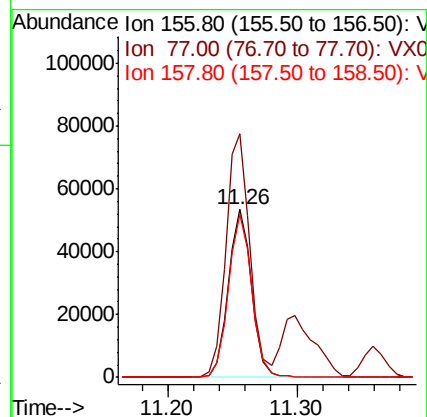
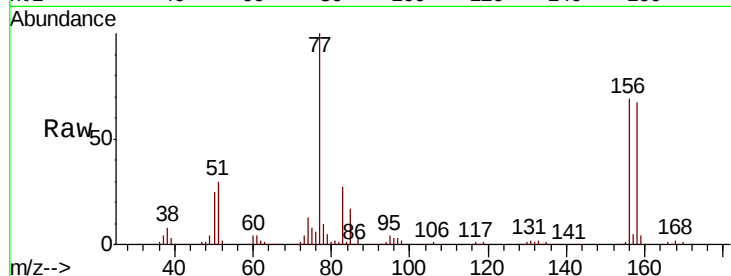
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	148.7	74.8	224.4	
158	97.1	49.1	147.3	

Manual Integrations
APPROVED

MMDadoda
11/19/2018 12:22:58 PM



#78

n-propylbenzene

Concen: 56.935 ug/l

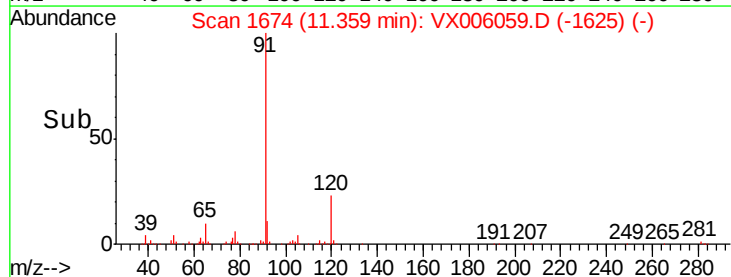
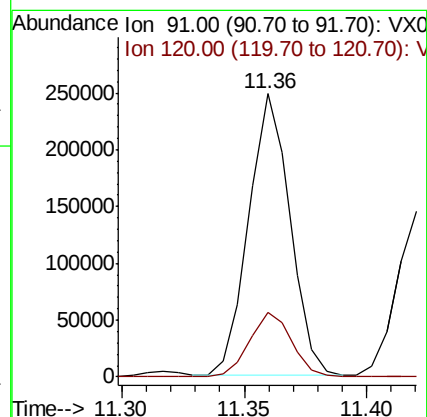
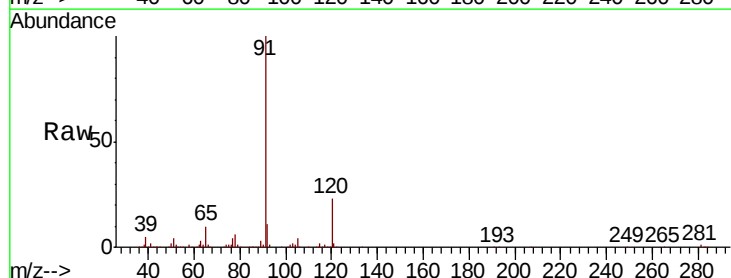
RT: 11.36 min Scan# 1674

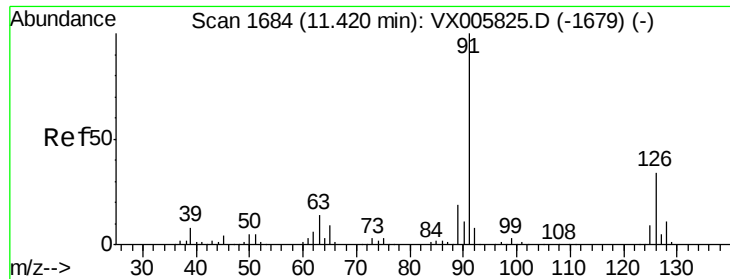
Delta R.T. -0.00 min

Lab File: VX006059.D

Acq: 16 Nov 2018 19:21

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.4	11.9	35.5	





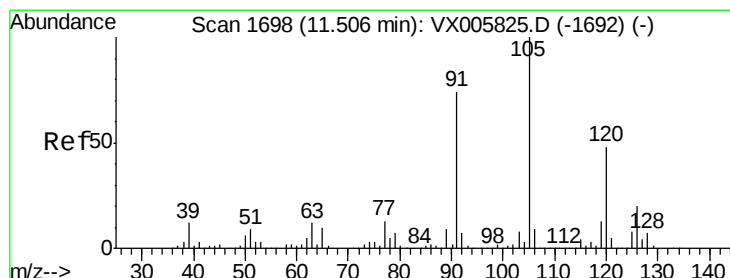
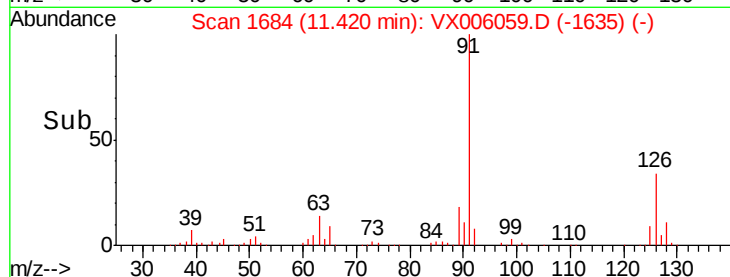
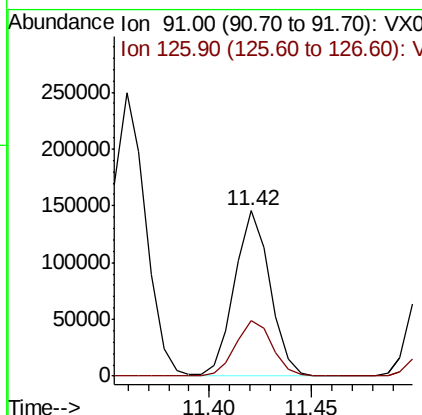
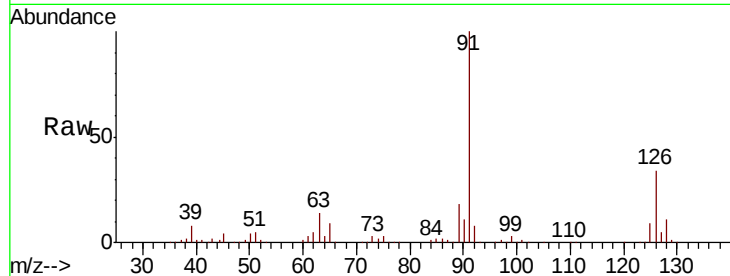
#79
 2-Chlorotoluene
 Concen: 56.071 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX006059.D
 Acq: 16 Nov 2018 19:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 174548
 Ion Ratio Lower Upper
 91 100
 126 34.9 17.3 52.0

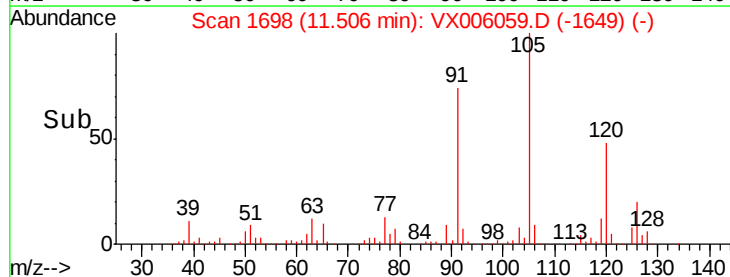
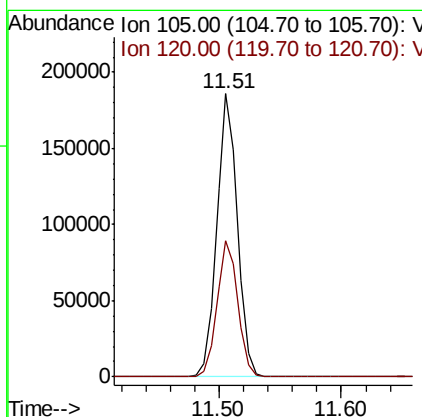
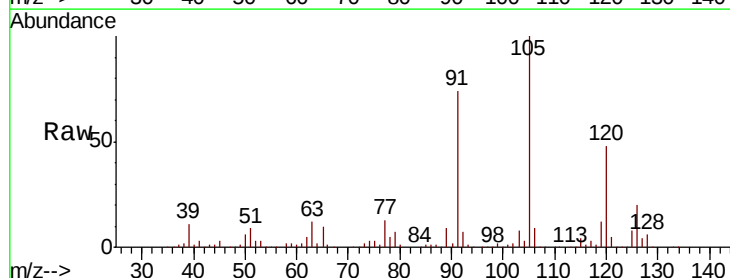
Manual Integrations
 APPROVED

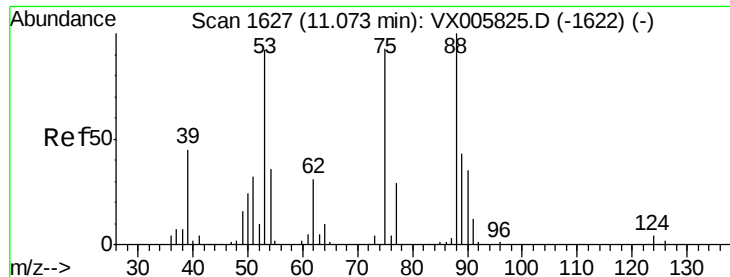
MMDadoda
 11/19/2018 12:22:58 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 58.665 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX006059.D
 Acq: 16 Nov 2018 19:21

Tgt Ion: 105 Resp: 217861
 Ion Ratio Lower Upper
 105 100
 120 48.6 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 58.157 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX006059.D

Acq: 16 Nov 2018 19:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 28078

Ion Ratio Lower Upper

75 100

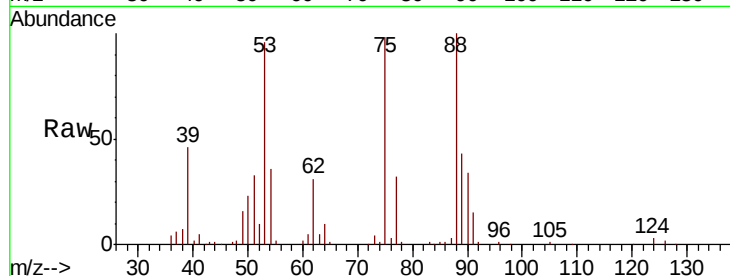
53 95.4 80.2 120.2

89 44.9 39.8 59.8

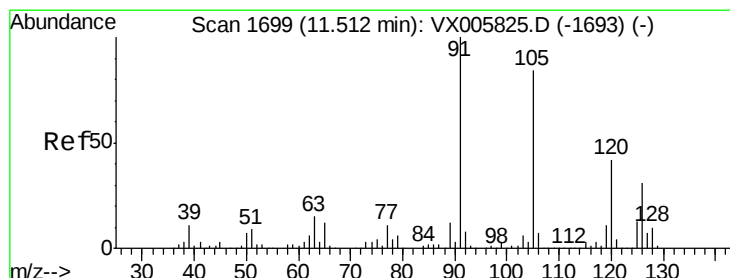
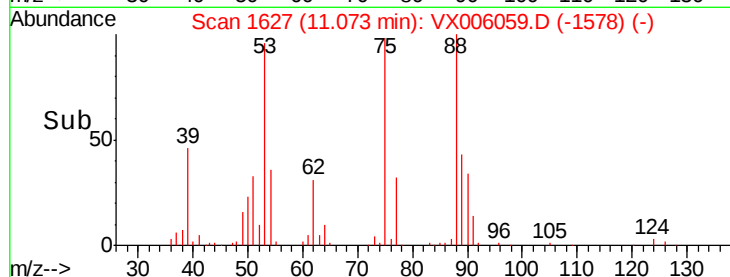
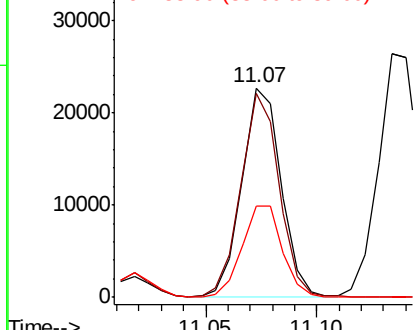
Manual Integrations
APPROVED

MMDadoda

11/19/2018 12:22:58 PM



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 56.445 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX006059.D

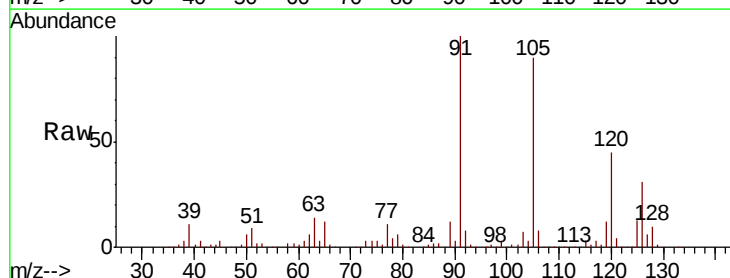
Acq: 16 Nov 2018 19:21

Tgt Ion: 91 Resp: 207086

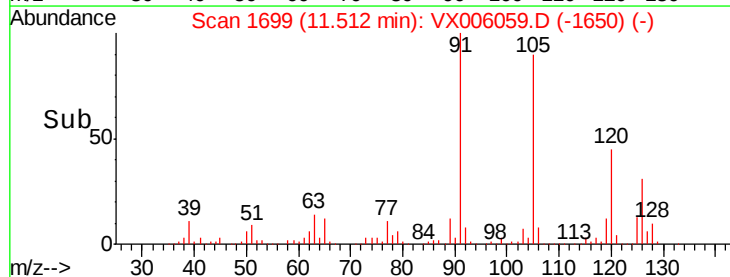
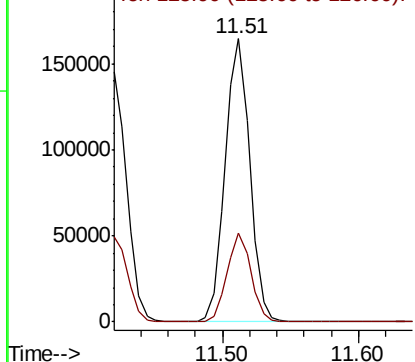
Ion Ratio Lower Upper

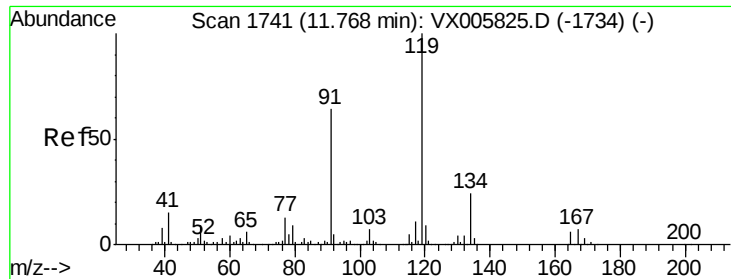
91 100

126 30.5 15.2 45.6



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





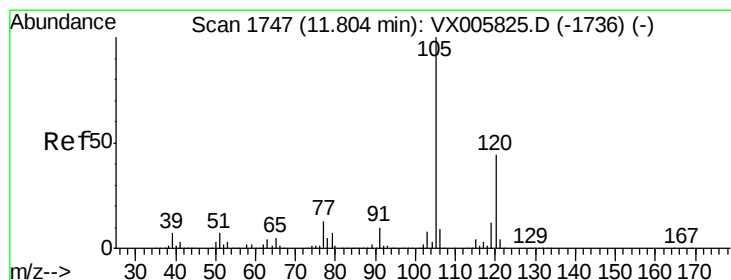
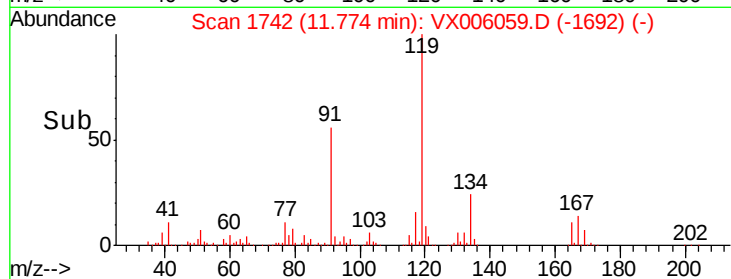
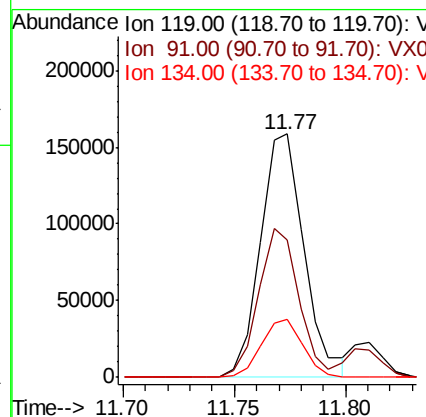
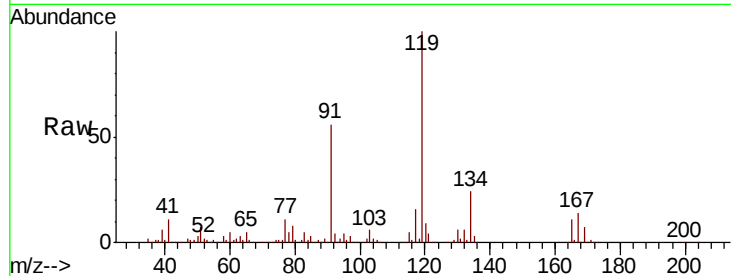
#83
tert-Butylbenzene
Concen: 57.641 ug/l
RT: 11.77 min Scan# 1742
Delta R.T. 0.01 min
Lab File: VX006059.D
Acq: 16 Nov 2018 19:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	216556		
91	56.7	28.5	85.5	
134	22.7	11.3	33.8	

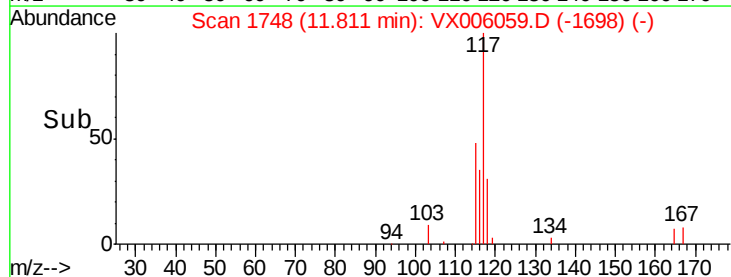
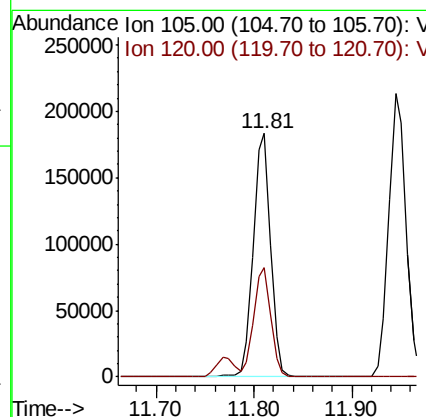
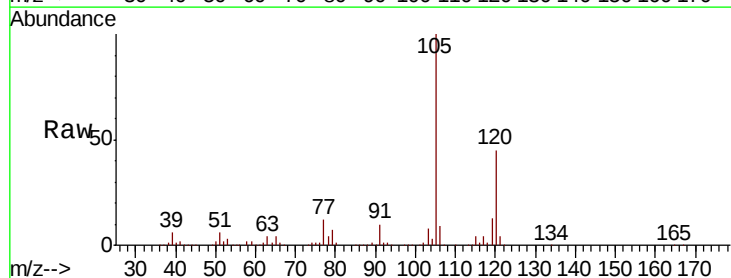
Manual Integrations
APPROVED

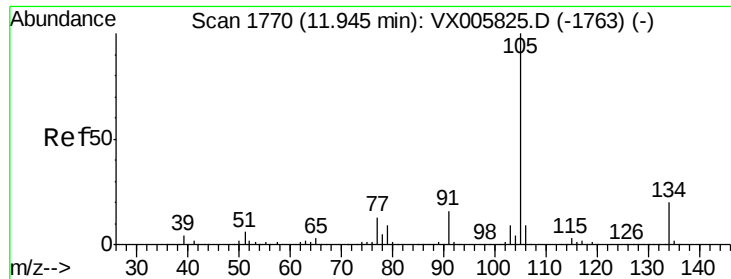
MMDadoda
11/19/2018 12:22:58 PM



#84
1,2,4-Trimethylbenzene
Concen: 54.965 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VX006059.D
Acq: 16 Nov 2018 19:21

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	225215		
120	44.4	22.4	67.0	





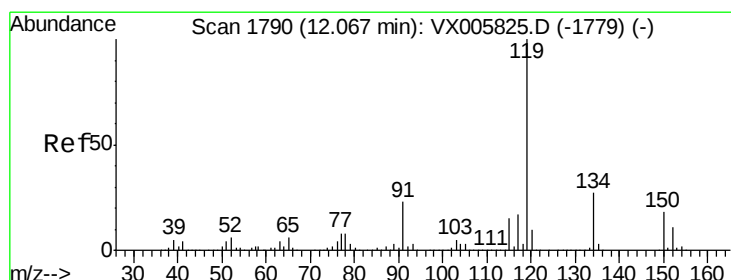
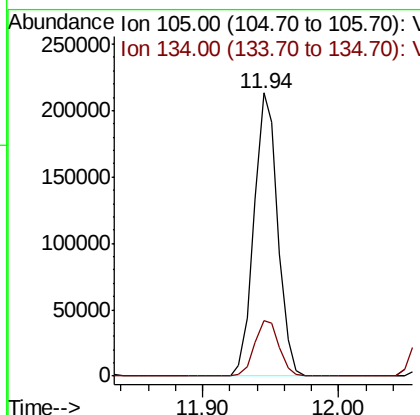
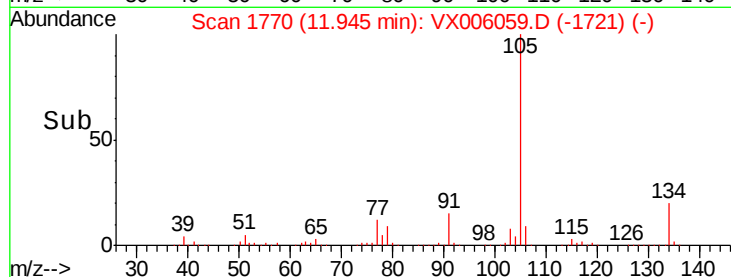
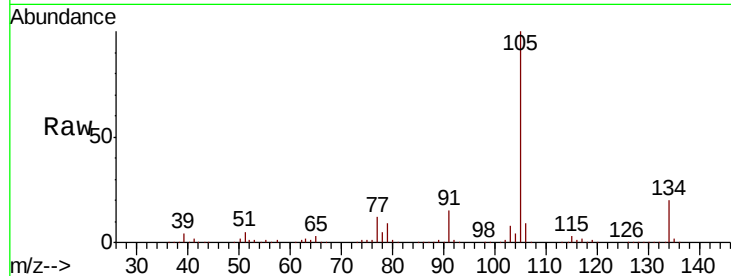
#85
 sec-Butylbenzene
 Concen: 57.001 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX006059.D
 Acq: 16 Nov 2018 19:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.3	10.2	30.4

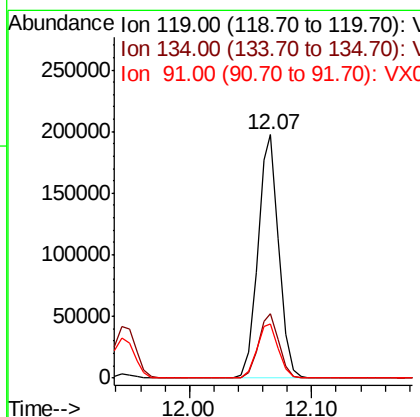
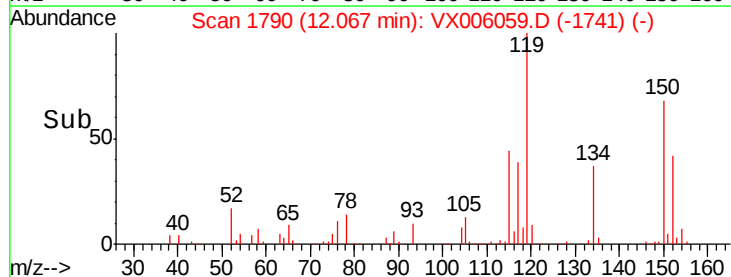
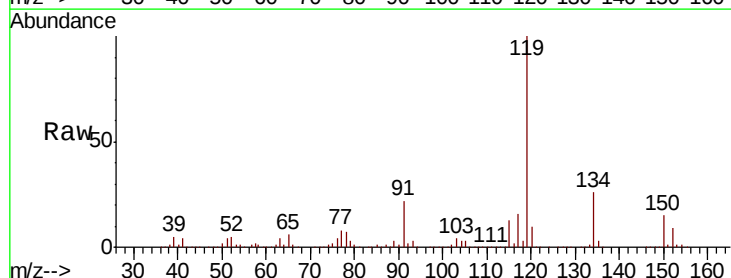
Manual Integrations
 APPROVED

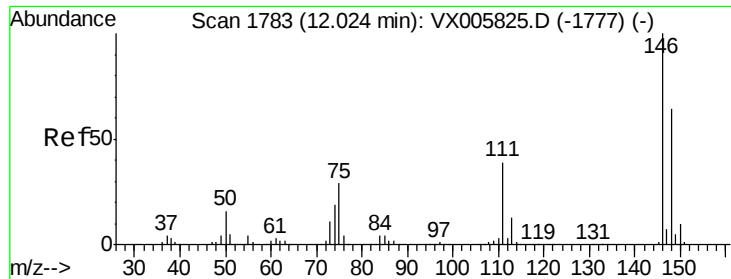
MMDadoda
 11/19/2018 12:22:58 PM



#86
 p-Isopropyltoluene
 Concen: 57.743 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX006059.D
 Acq: 16 Nov 2018 19:21

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.0	39.0
91	23.1	11.4	34.2





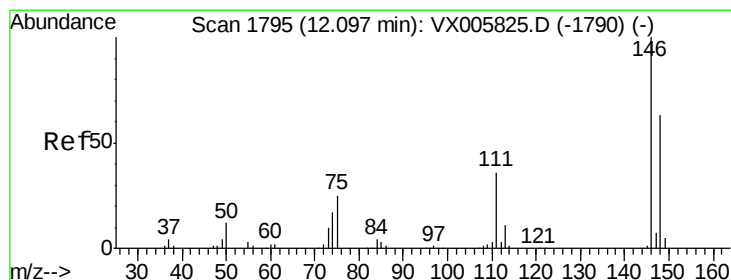
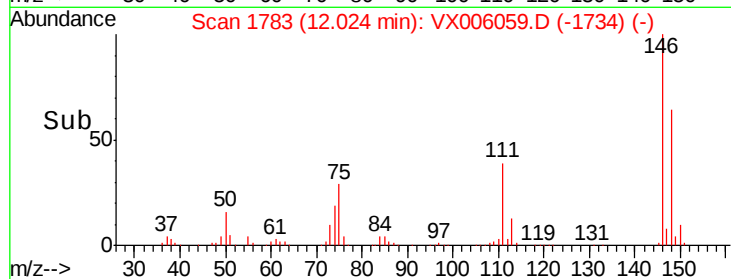
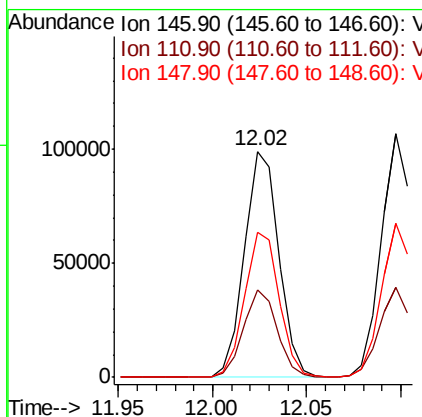
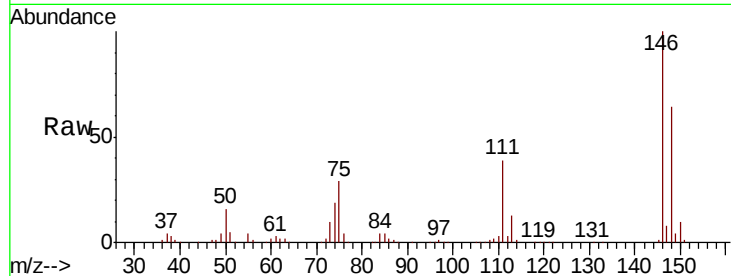
#87
 1,3-Dichlorobenzene
 Concen: 53.330 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX006059.D
 Acq: 16 Nov 2018 19:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.0	57.0
148	64.4	31.9	95.9

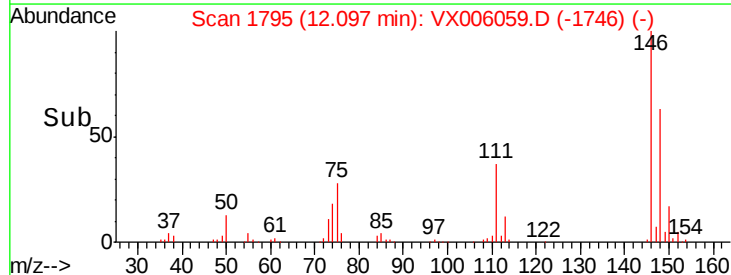
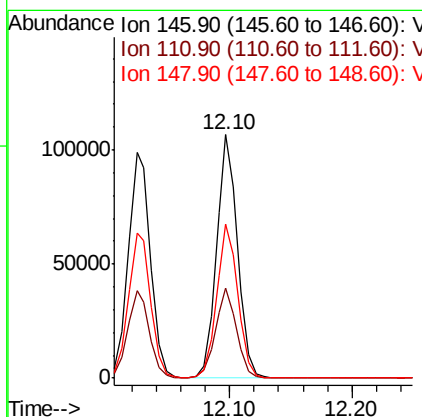
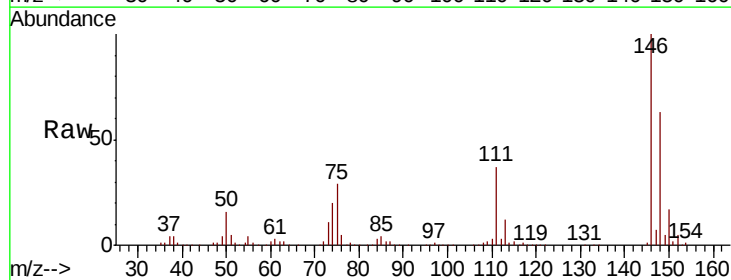
Manual Integrations
 APPROVED

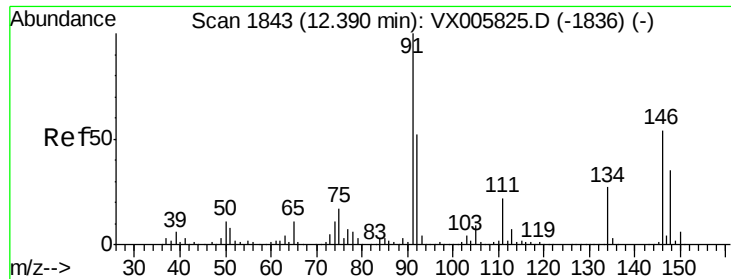
MMDadoda
 11/19/2018 12:22:58 PM



#88
 1,4-Dichlorobenzene
 Concen: 52.700 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX006059.D
 Acq: 16 Nov 2018 19:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.6	55.8
148	64.0	32.1	96.3





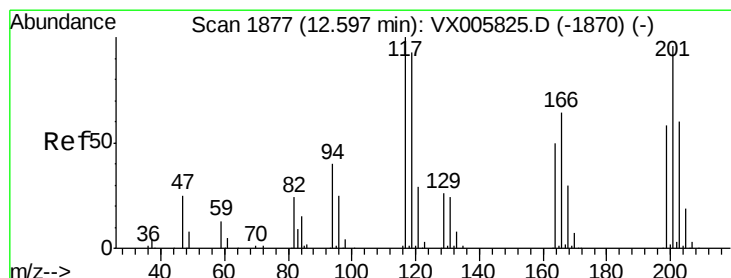
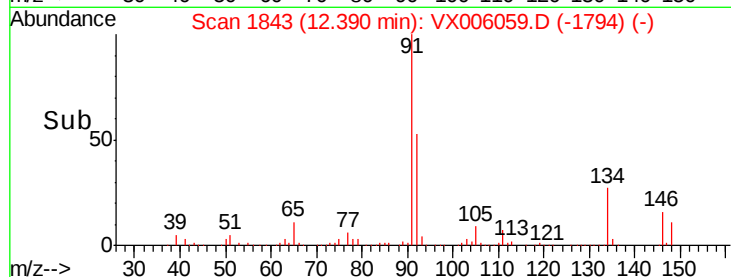
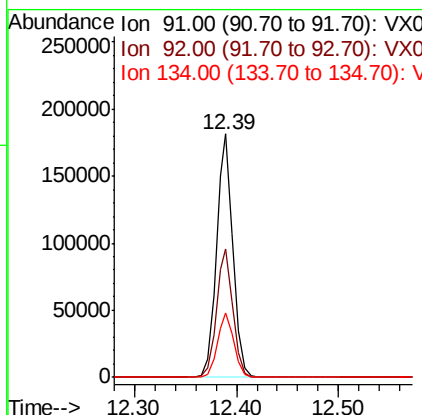
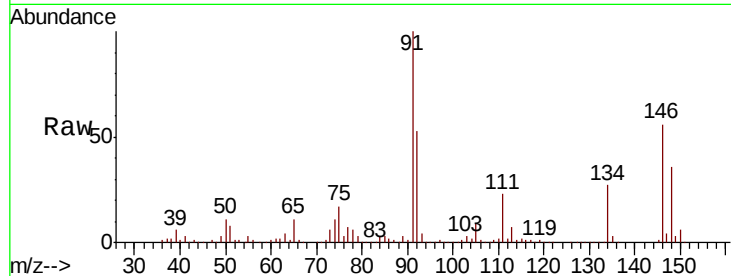
#89
n-Butylbenzene
Concen: 54.281 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX006059.D
Acq: 16 Nov 2018 19:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.1	78.2
134	26.4	13.1	39.3

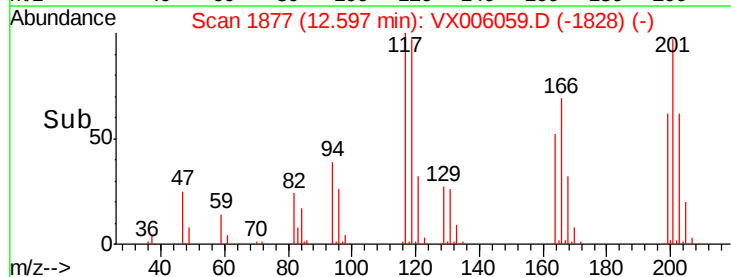
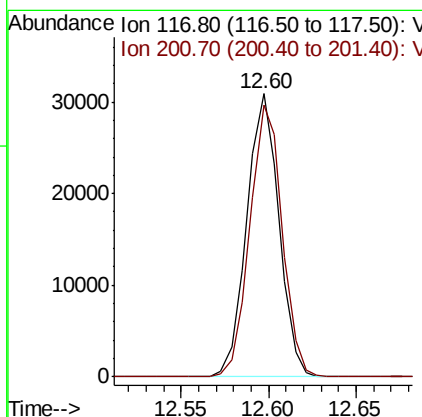
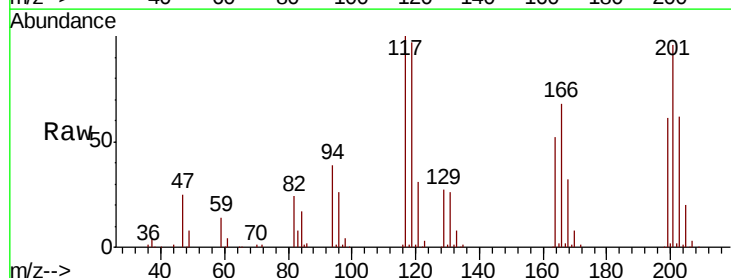
Manual Integrations
APPROVED

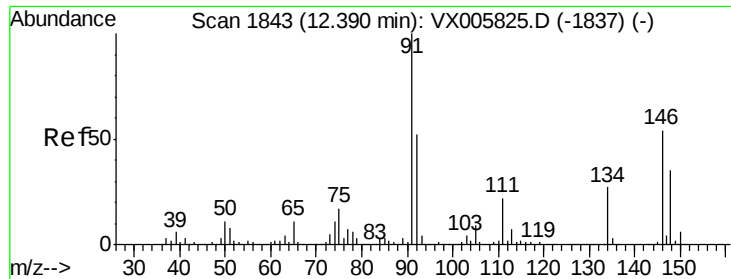
MMDadoda
11/19/2018 12:22:58 PM



#90
Hexachloroethane
Concen: 57.880 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX006059.D
Acq: 16 Nov 2018 19:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.7	47.9	143.6





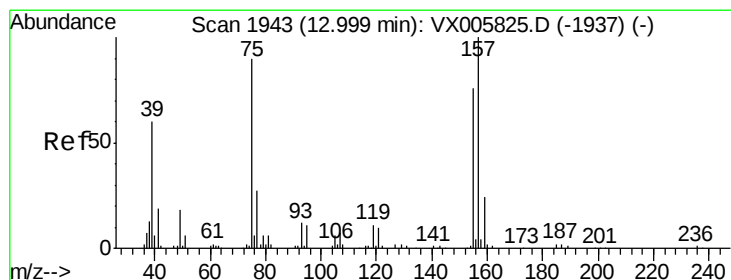
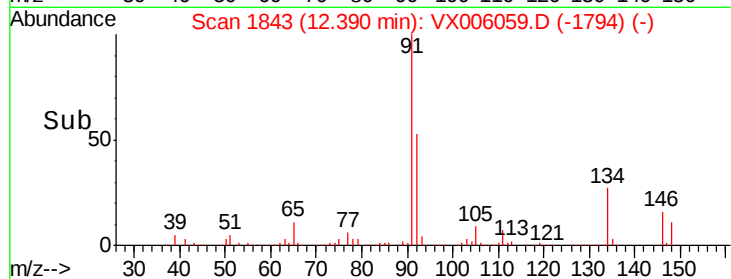
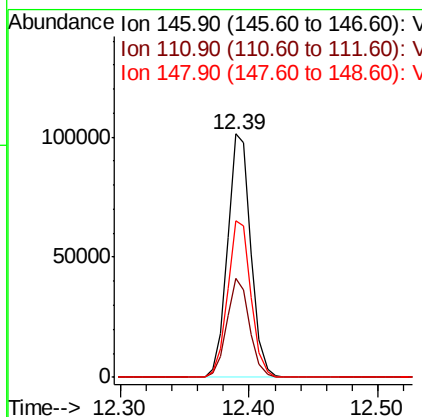
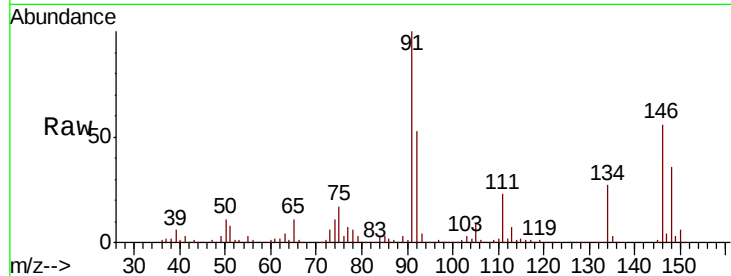
#91
 1,2-Dichlorobenzene
 Concen: 54.309 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX006059.D
 Acq: 16 Nov 2018 19:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.0	59.9
148	64.2	32.2	96.6

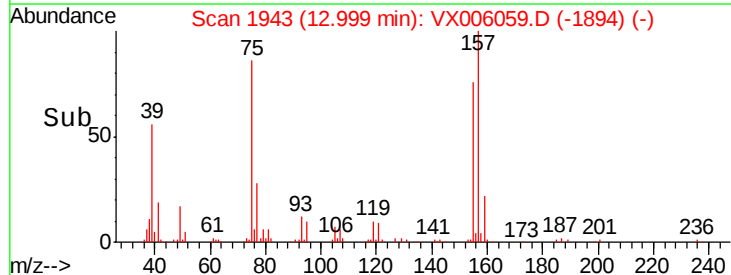
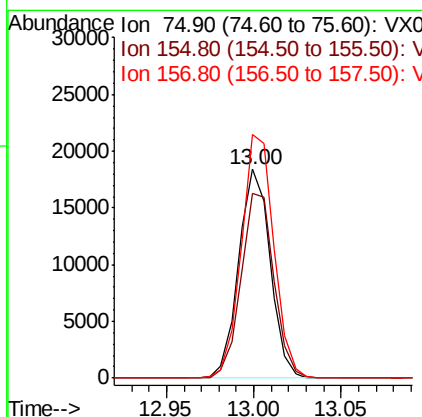
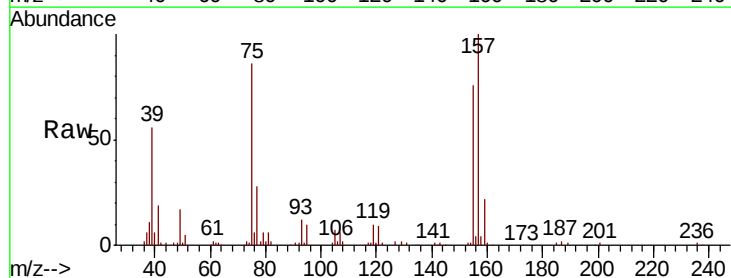
Manual Integrations
 APPROVED

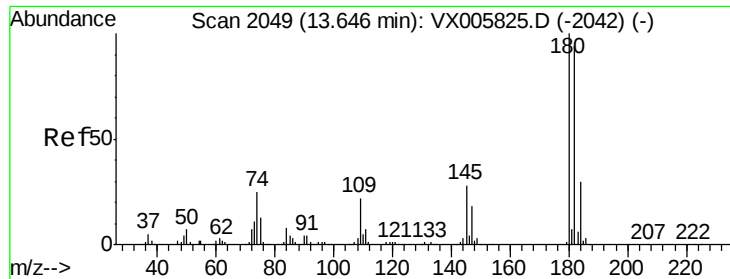
MMDadoda
 11/19/2018 12:22:58 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 59.019 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX006059.D
 Acq: 16 Nov 2018 19:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.8	45.4	136.1
157	119.5	57.4	172.0





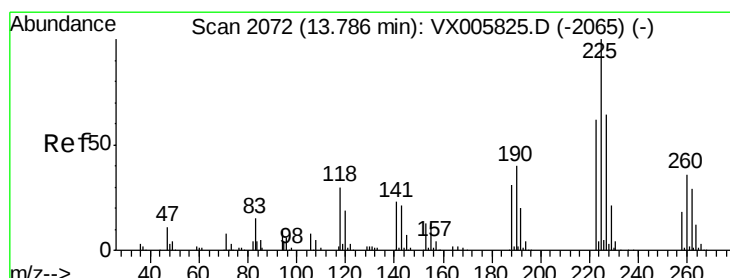
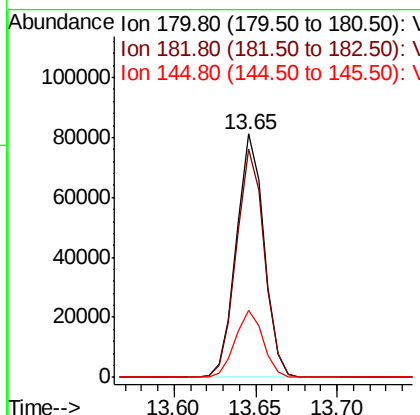
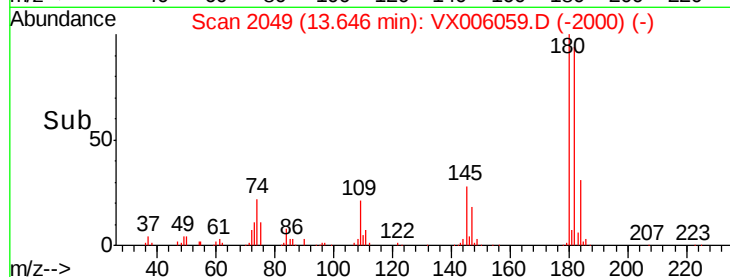
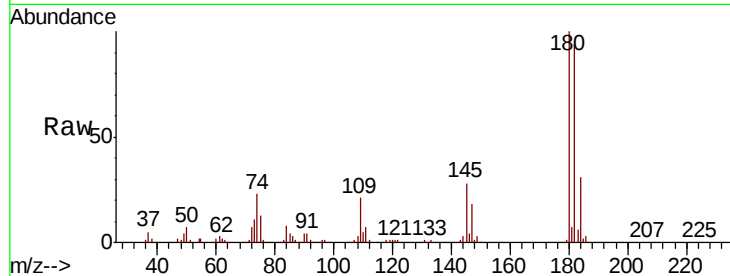
#93
 1,2,4-Trichlorobenzene
 Concen: 57.551 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX006059.D
 Acq: 16 Nov 2018 19:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.6	142.8
145	27.7	14.1	42.2

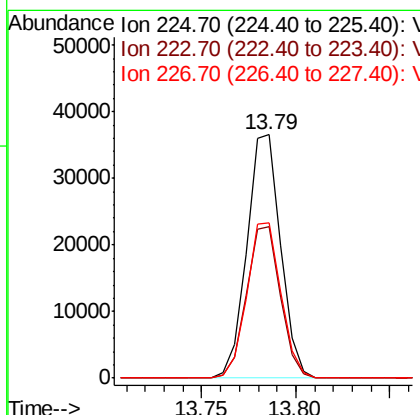
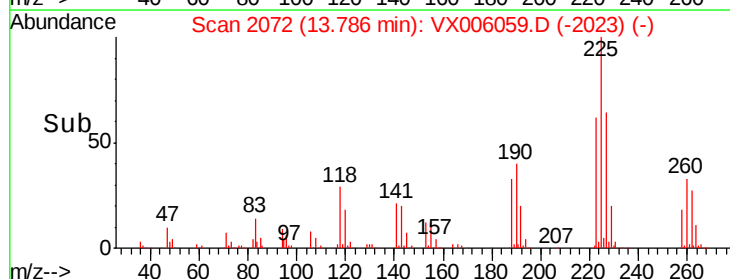
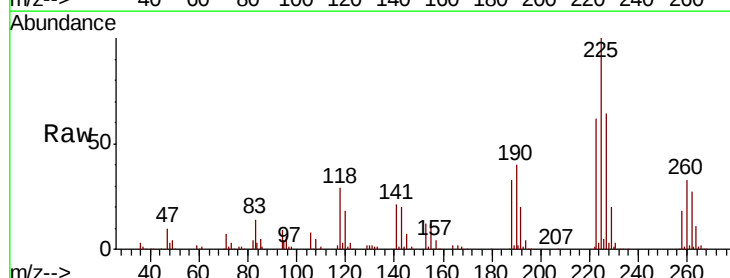
Manual Integrations
 APPROVED

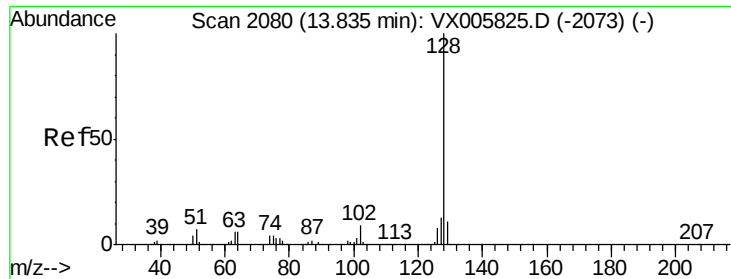
MMDadoda
 11/19/2018 12:22:58 PM



#94
 Hexachlorobutadiene
 Concen: 51.830 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX006059.D
 Acq: 16 Nov 2018 19:21

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.7	95.1
227	64.3	32.3	96.9





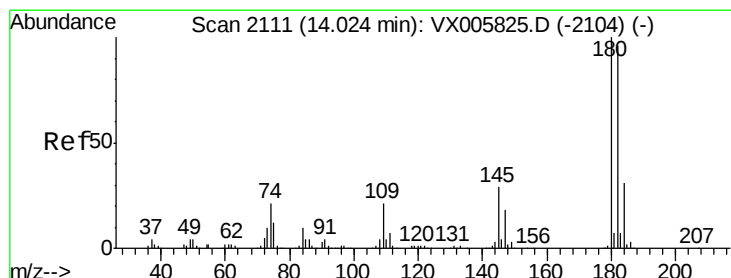
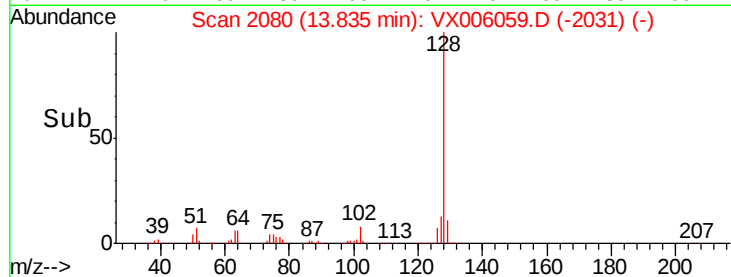
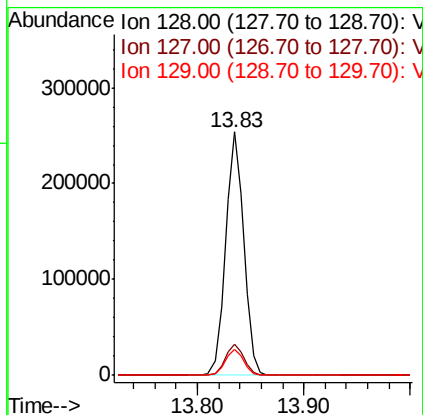
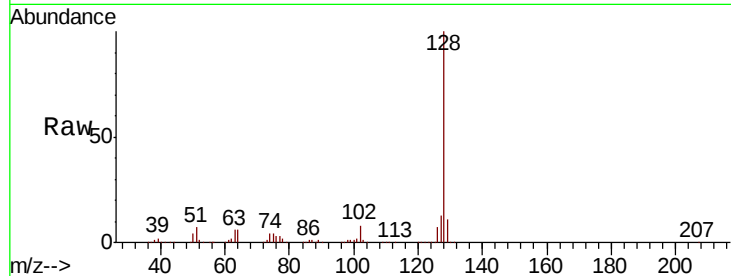
#95
Naphthalene
Concen: 55.492 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX006059.D
Acq: 16 Nov 2018 19:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/19/2018 12:22:58 PM



#96
1,2,3-Trichlorobenzene
Concen: 57.917 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX006059.D
Acq: 16 Nov 2018 19:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	48.0	144.2
145	30.2	15.1	45.3

