

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042618\
 Data File : VX001135.D
 Acq On : 26 Apr 2018 17:03
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 4/30/2018 6:03:23 PM

Quant Time: Apr 27 01:28:29 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X042618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 27 01:18:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	201278	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	284818	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	257962	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	159629	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	4052	1.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	3.08%	
35) Dibromofluoromethane	5.51	113	2507	1.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.28%	
50) Toluene-d8	8.72	98	9496	1.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.34%	
62) 4-Bromofluorobenzene	11.14	95	3513	1.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	2378	1.00	ug/l	99
3) Chloromethane	1.32	50	2526	1.11	ug/l	98
4) Vinyl Chloride	1.40	62	2712	1.14	ug/l	93
5) Bromomethane	1.65	94	2081	1.41	ug/l #	79
6) Chloroethane	1.73	64	1726	1.20	ug/l	99
7) Trichlorofluoromethane	1.93	101	4215	1.17	ug/l	93
8) Diethyl Ether	2.20	74	1685	1.24	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	2200	1.05	ug/l #	82
12) 1,1-Dichloroethene	2.37	96	2448	1.25	ug/l #	79
14) Allyl chloride	2.73	41	3762	1.05	ug/l	93
15) Acrylonitrile	3.16	53	7348	6.76	ug/l	100
16) Acetone	2.45	43	7757	7.66	ug/l	96
17) Carbon Disulfide	2.57	76	5740	1.04	ug/l	99
18) Methyl Acetate	2.79	43	3424	1.17	ug/l #	91
19) Methyl tert-butyl Ether	3.21	73	8424	1.25	ug/l #	85
20) Methylene Chloride	2.86	84	3025	1.34	ug/l #	91
21) trans-1,2-Dichloroethene	3.17	96	2669	1.22	ug/l #	82
22) Diisopropyl ether	3.87	45	7978	1.15	ug/l #	90
23) Vinyl Acetate	3.83	43	29652	5.09	ug/l	98
24) 1,1-Dichloroethane	3.70	63	4532	1.18	ug/l	95
25) 2-Butanone	4.72	43	11036	7.02	ug/l	98
26) 2,2-Dichloropropane	4.59	77	3329	1.02	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	2669	1.09	ug/l	98
28) Bromochloromethane	5.03	49	1844	1.20	ug/l #	98
29) Tetrahydrofuran	5.18	42	7183	7.22	ug/l	94
30) Chloroform	5.22	83	4379	1.09	ug/l	94
31) Cyclohexane	5.59	56	3636	1.03	ug/l	93
32) 1,1,1-Trichloroethane	5.50	97	3681	1.03	ug/l #	51
36) 1,1-Dichloropropene	5.81	75	3725	1.13	ug/l	99
37) Ethyl Acetate	4.88	43	4092	1.29	ug/l #	95
38) Carbon Tetrachloride	5.78	117	3362	1.00	ug/l #	81
39) Methylcyclohexane	7.48	83	3535	0.93	ug/l #	93
40) Benzene	6.15	78	9466	1.02	ug/l	98
41) Methacrylonitrile	5.08	41	2217	1.13	ug/l #	87

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042618\
 Data File : VX001135.D
 Acq On : 26 Apr 2018 17:03
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 4/30/2018 6:03:23 PM

Quant Time: Apr 27 01:28:29 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X042618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 27 01:18:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	6.20	62	3784	1.05	ug/l	90
43) Isopropyl Acetate	6.48	43	6014	1.12	ug/l	98
44) Trichloroethene	7.23	130	2902	1.03	ug/l	82
45) 1,2-Dichloropropane	7.52	63	2550	1.09	ug/l	99
46) Dibromomethane	7.67	93	1647	1.00	ug/l	98
47) Bromodichloromethane	7.91	83	2705	0.89	ug/l	99
48) Methyl methacrylate	7.79	41	3208	1.11	ug/l	94
49) 1,4-Dioxane	7.76	88	1240	26.94	ug/l #	75
51) 4-Methyl-2-Pentanone	8.66	43	18129	5.45	ug/l	95
52) Toluene	8.79	92	5943	0.98	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	2798	0.78	ug/l	90
54) cis-1,3-Dichloropropene	9.05	75	2620	0.77	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	2666	1.10	ug/l #	87
56) Ethyl methacrylate	9.19	69	3158	0.88	ug/l #	82
57) 1,3-Dichloropropane	9.38	76	4122	1.03	ug/l	95
58) 2-Chloroethyl Vinyl ether	8.32	63	8229	4.75	ug/l	100
59) 2-Hexanone	9.51	43	14317	5.60	ug/l	96
60) Dibromochloromethane	9.59	129	2035	0.80	ug/l	86
61) 1,2-Dibromoethane	9.68	107	2420	0.94	ug/l	98
64) Tetrachloroethene	9.34	164	3161	1.16	ug/l	93
65) Chlorobenzene	10.14	112	7183	1.05	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	1967	0.83	ug/l #	64
67) Ethyl Benzene	10.26	91	11003	0.97	ug/l	95
68) m/p-Xylenes	10.37	106	8604	1.93	ug/l	97
69) o-Xylene	10.70	106	3983	0.92	ug/l	88
70) Styrene	10.72	104	6441	0.91	ug/l	98
71) Bromoform	10.87	173	1511	0.78	ug/l #	92
73) Isopropylbenzene	11.02	105	11163	1.08	ug/l	99
74) N-amyl acetate	6.48	43	6014	1.31	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	3584	1.19	ug/l	94
76) 1,2,3-Trichloropropane	11.30	75	3365m	1.18	ug/l	
77) Bromobenzene	11.26	156	3332	1.10	ug/l	94
78) n-propylbenzene	11.37	91	12066	1.01	ug/l	98
79) 2-Chlorotoluene	11.43	91	7946	1.12	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	8849	1.00	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.09	75	536	0.68	ug/l #	60
82) 4-Chlorotoluene	11.52	91	9206	1.08	ug/l	100
83) tert-Butylbenzene	11.77	119	8792	0.99	ug/l	92
84) 1,2,4-Trimethylbenzene	11.81	105	8978	0.99	ug/l	98
85) sec-Butylbenzene	11.95	105	10350	0.98	ug/l	96
86) p-Isopropyltoluene	12.07	119	9644	0.99	ug/l	93
87) 1,3-Dichlorobenzene	12.03	146	5960	1.06	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	6669m	1.15	ug/l	
89) n-Butylbenzene	12.39	91	8339	0.96	ug/l	97
90) Hexachloroethane	12.60	117	1083	0.78	ug/l	94
91) 1,2-Dichlorobenzene	12.40	146	5871	1.07	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.01	75	645	1.00	ug/l	93
93) 1,2,4-Trichlorobenzene	13.65	180	4892	1.07	ug/l	98
94) Hexachlorobutadiene	13.79	225	2260	1.09	ug/l	98
95) Naphthalene	13.84	128	12169	1.06	ug/l	99

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042618\
Data File : VX001135.D
Acq On : 26 Apr 2018 17:03
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

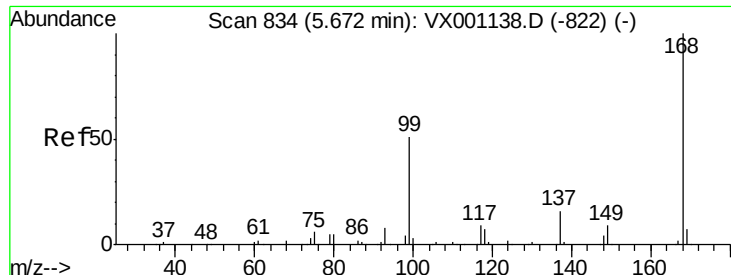
Manual Integrations
APPROVED

MMDadoda
4/30/2018 6:03:23 PM

Quant Time: Apr 27 01:28:29 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X042618W.M
Quant Title : SW846 8260
QLast Update : Fri Apr 27 01:18:12 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	14.02	180	4657	1.05	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001135.D

Acq: 26 Apr 2018 17:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:168 Resp: 201278

Ion Ratio Lower Upper

168 100

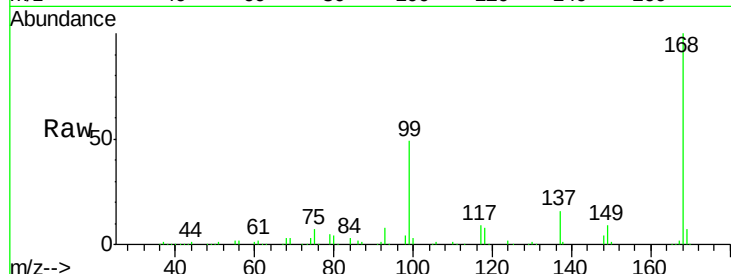
99 49.3 40.6 60.8

Manual Integrations

APPROVED

MMDadoda

4/30/2018 6:03:23 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

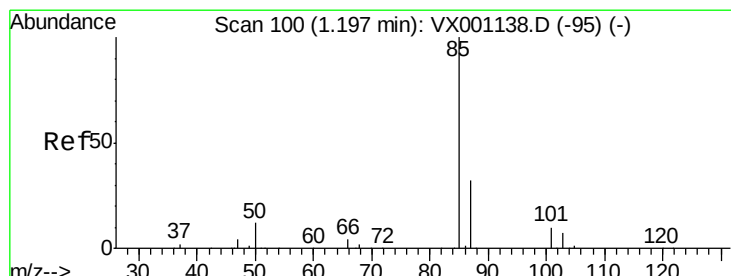
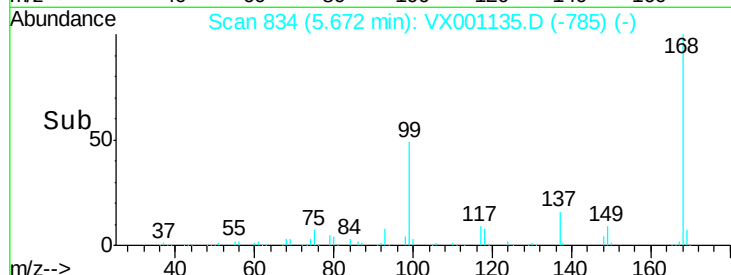
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 1.00 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX001135.D

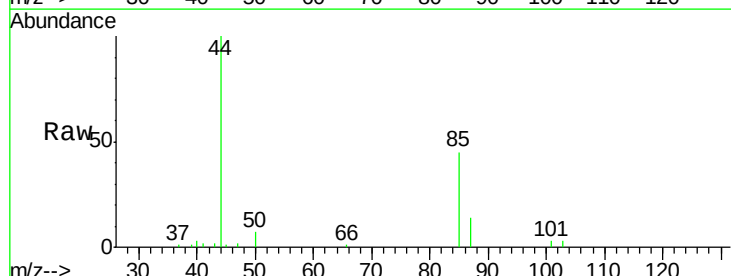
Acq: 26 Apr 2018 17:03

Tgt Ion: 85 Resp: 2378

Ion Ratio Lower Upper

85 100

87 31.3 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

2500

2000

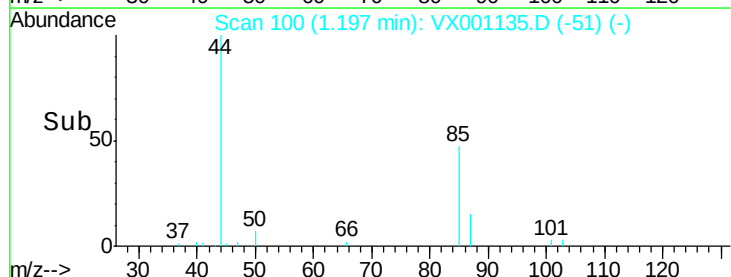
1500

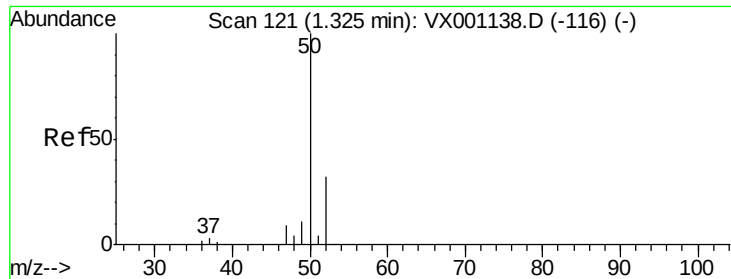
1000

500

0

Time--> 1.15 1.20 1.25





#3

Chloromethane

Concen: 1.11 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001135.D

Acq: 26 Apr 2018 17:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 2526

Ion Ratio Lower Upper

50 100

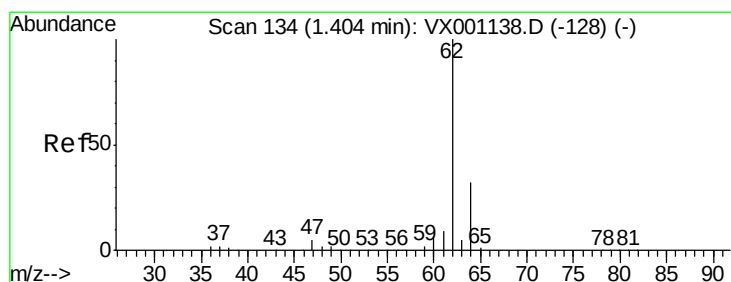
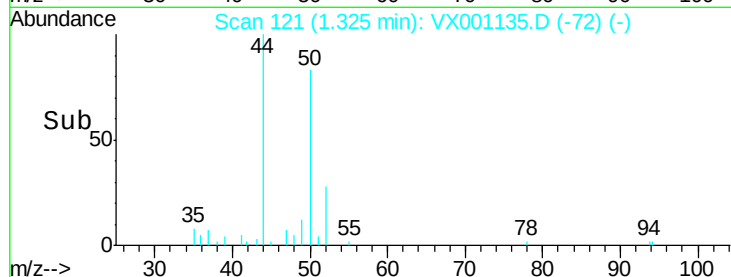
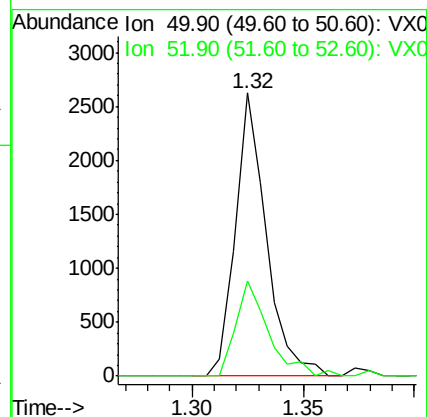
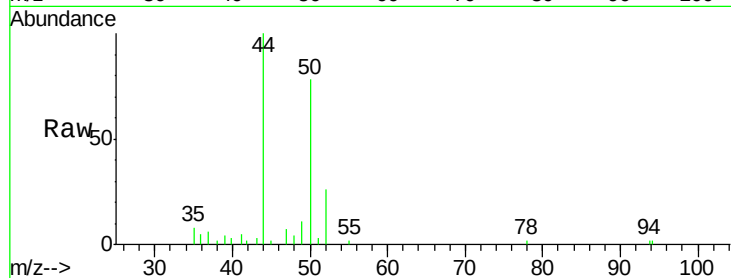
52 33.7 25.9 38.9

Manual Integrations

APPROVED

MMDadoda

4/30/2018 6:03:23 PM



#4

Vinyl Chloride

Concen: 1.14 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX001135.D

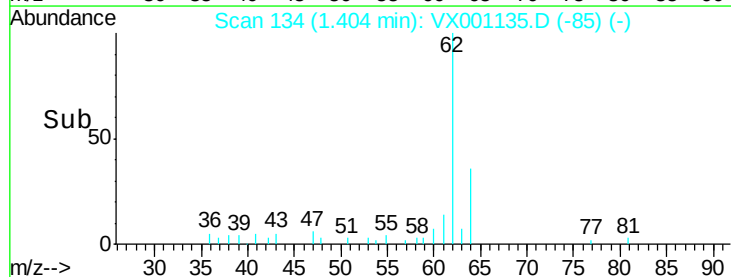
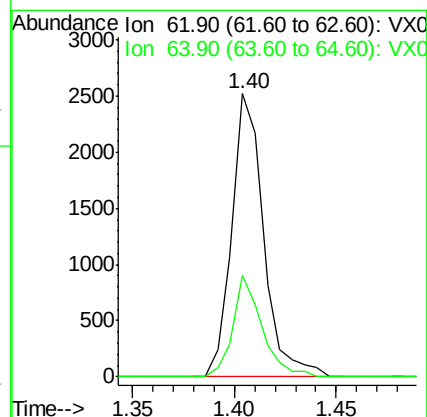
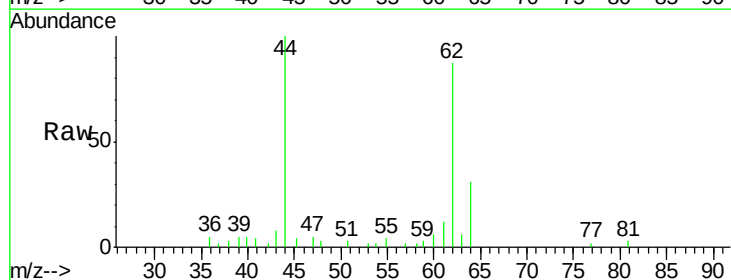
Acq: 26 Apr 2018 17:03

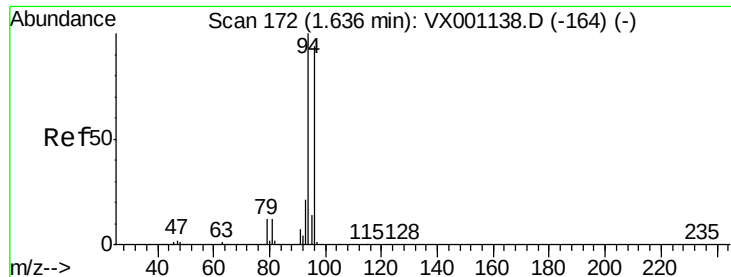
Tgt Ion: 62 Resp: 2712

Ion Ratio Lower Upper

62 100

64 35.9 25.6 38.4





#5

Bromomethane

Concen: 1.41 ug/l

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX001135.D

Acq: 26 Apr 2018 17:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 94 Resp: 2081

Ion Ratio Lower Upper

94 100

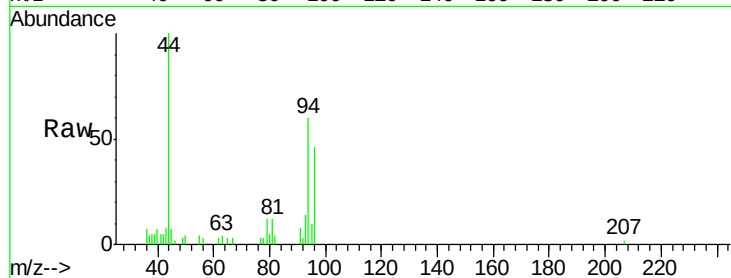
96 73.6 75.3 112.9#

Manual Integrations

APPROVED

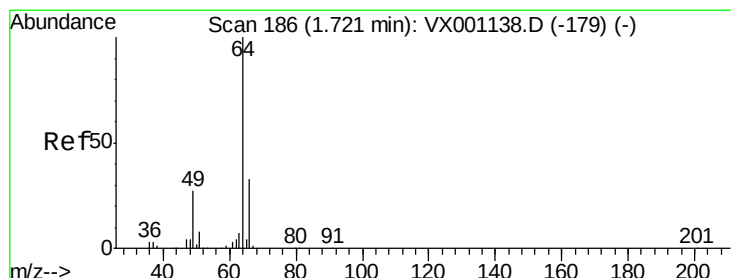
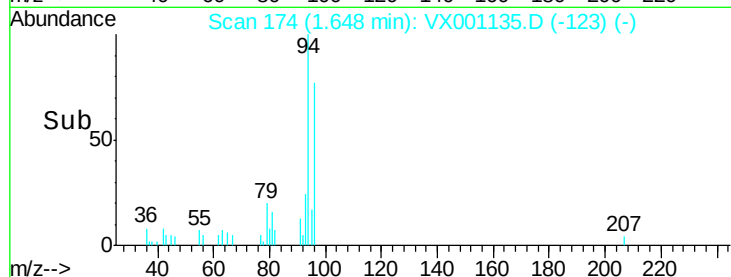
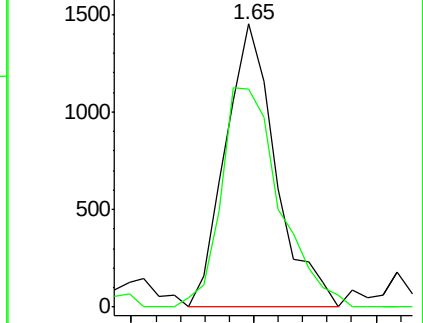
MMDadoda

4/30/2018 6:03:23 PM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 1.20 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX001135.D

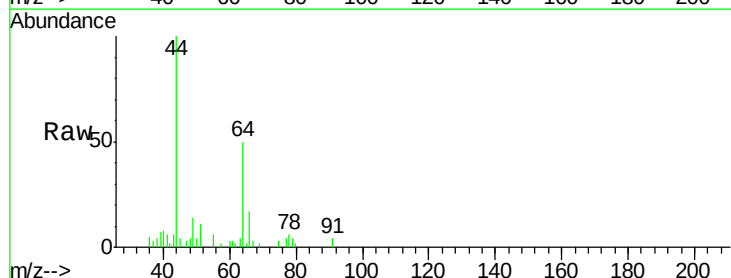
Acq: 26 Apr 2018 17:03

Tgt Ion: 64 Resp: 1726

Ion Ratio Lower Upper

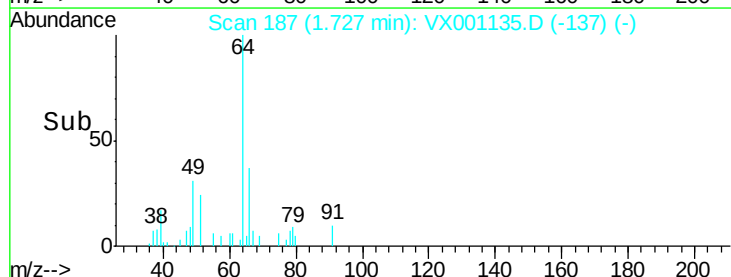
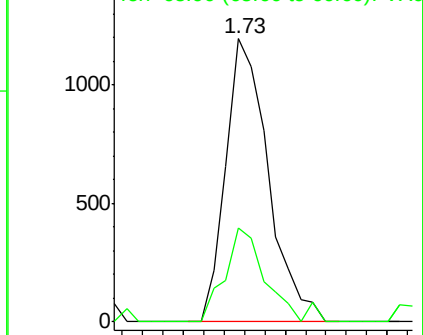
64 100

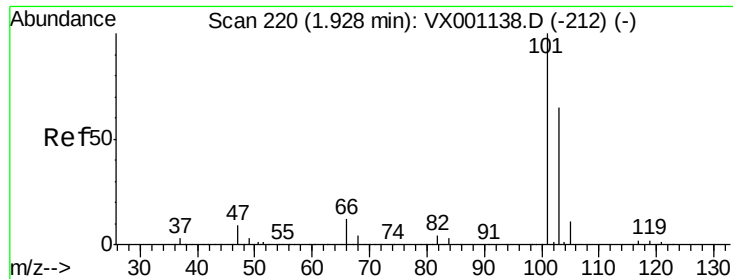
66 33.4 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

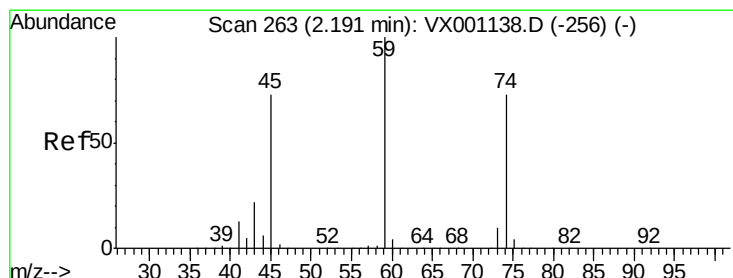
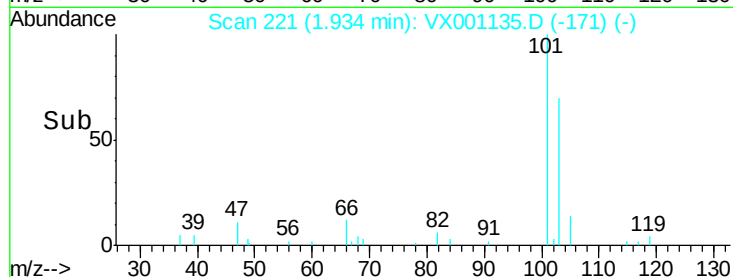
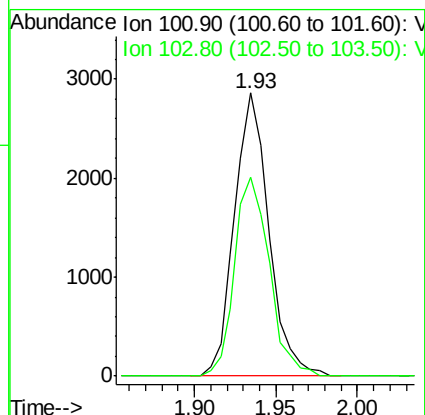
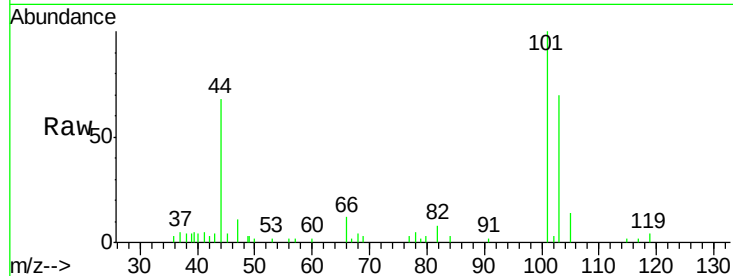
Trichlorofluoromethane
Concen: 1.17 ug/l
RT: 1.93 min Scan# 221
Delta R.T. 0.01 min
Lab File: VX001135.D
Acq: 26 Apr 2018 17:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
101	100		
103	70.2	51.9	77.9

Manual Integrations
APPROVED

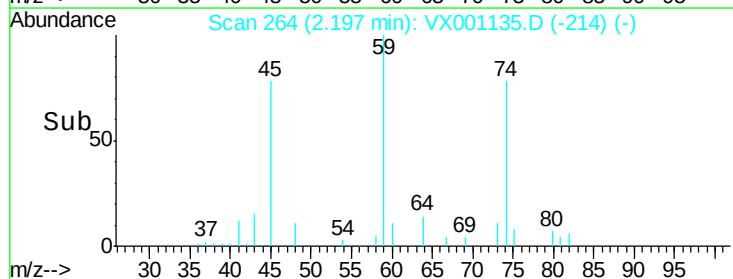
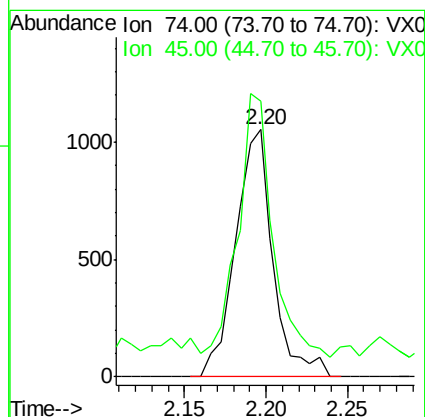
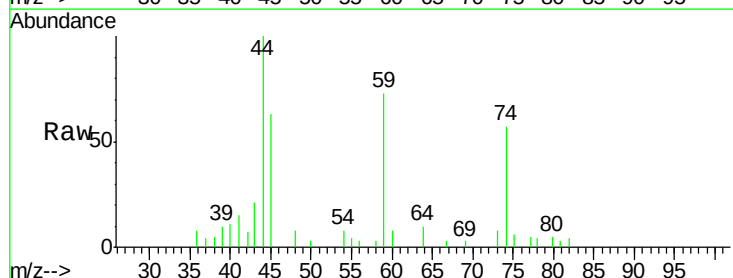
MMDadoda
4/30/2018 6:03:23 PM

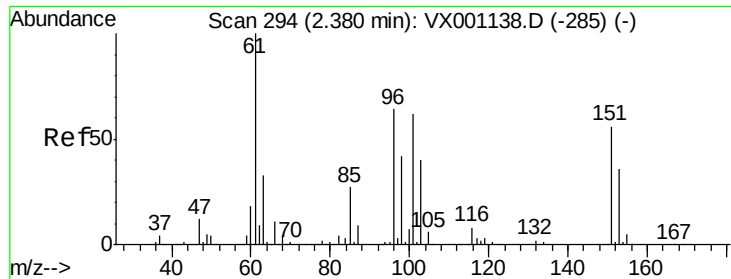


#8

Diethyl Ether
Concen: 1.24 ug/l
RT: 2.20 min Scan# 264
Delta R.T. 0.01 min
Lab File: VX001135.D
Acq: 26 Apr 2018 17:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.6	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.05 ug/l

RT: 2.39 min Scan# 296

Delta R.T. 0.01 min

Lab File: VX001135.D

Acq: 26 Apr 2018 17:03

Instrument :

MSVOA_X

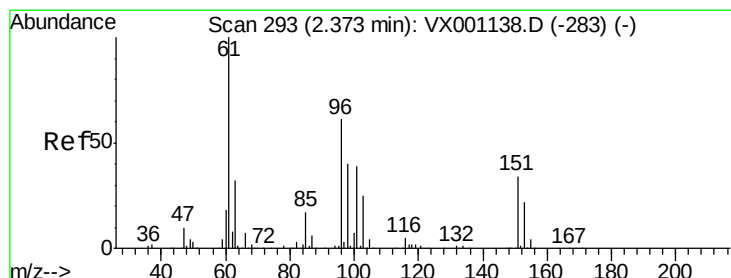
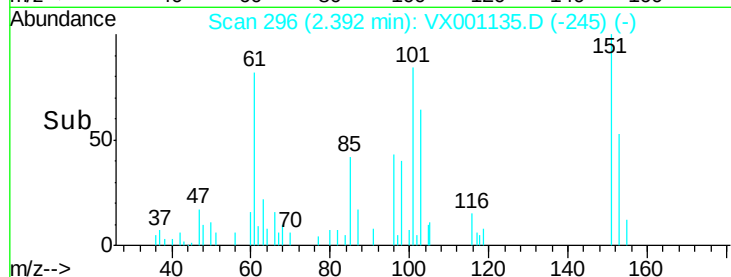
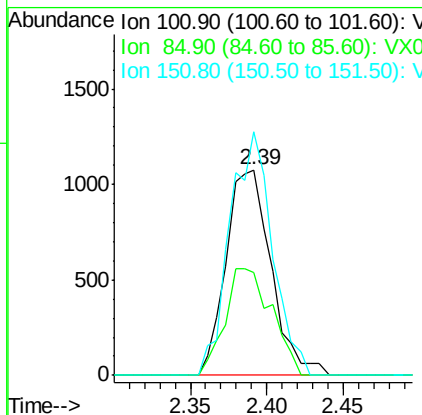
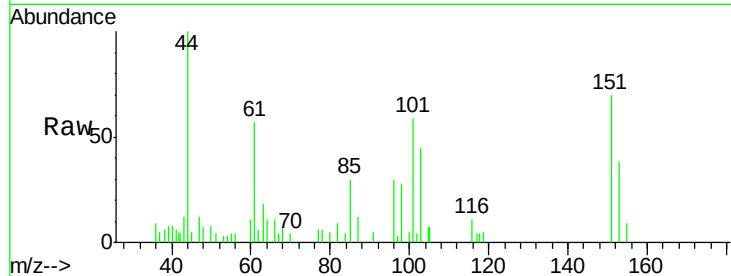
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
101	100		
85	54.0	35.4	53.0#
151	111.7	74.2	111.4#

Manual Integrations
APPROVED

MMDadoda
4/30/2018 6:03:23 PM



#12

1,1-Dichloroethene

Concen: 1.25 ug/l

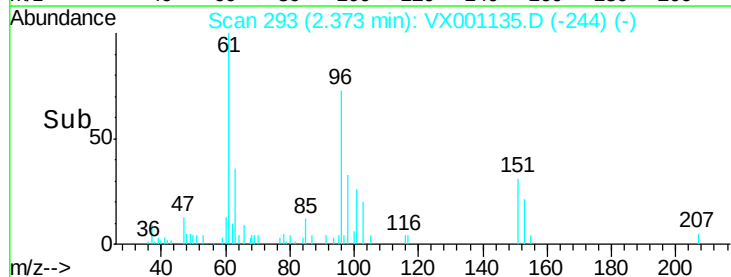
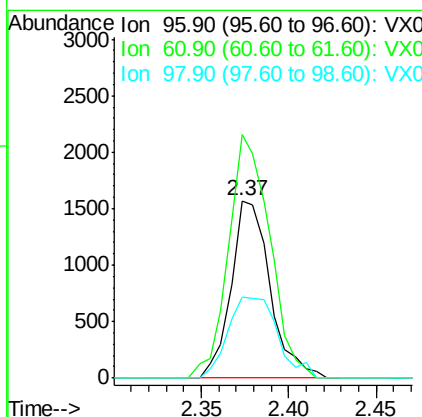
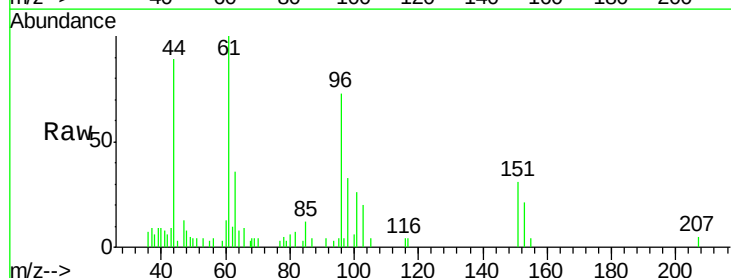
RT: 2.37 min Scan# 293

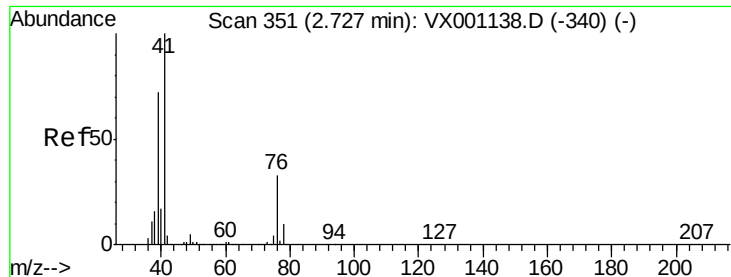
Delta R.T. -0.00 min

Lab File: VX001135.D

Acq: 26 Apr 2018 17:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	137.2	130.2	195.4
98	45.3	51.5	77.3#





#14

Allvl chloride

Concen: 1.05 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.01 min

Lab File: VX001135.D

Acq: 26 Apr 2018 17:03

Instrument :

MSVOA_X

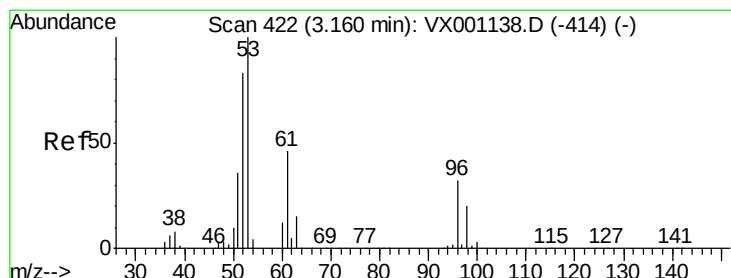
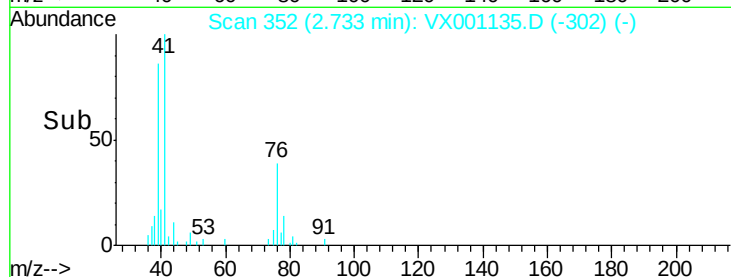
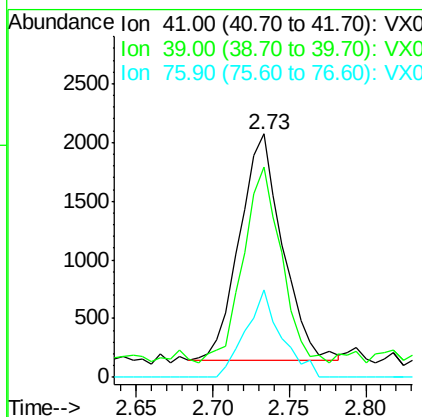
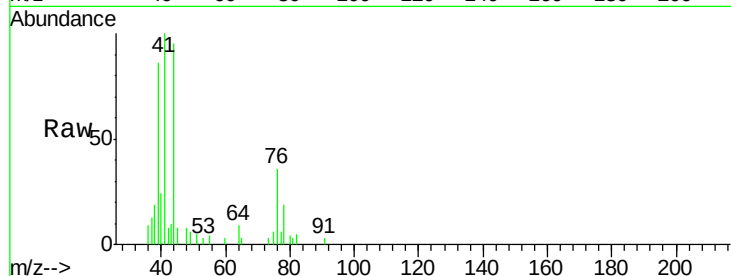
ClientSampleId :

VSTDIC001

Tot Ion:	41	Resp:	3762
Ion	Ratio	Lower	Upper
41	100		
39	76.8	55.6	83.4
76	32.1	24.8	37.2

Manual Integrations
APPROVED

MMDadoda
4/30/2018 6:03:23 PM



#15

Acrylonitrile

Concen: 6.76 ug/l

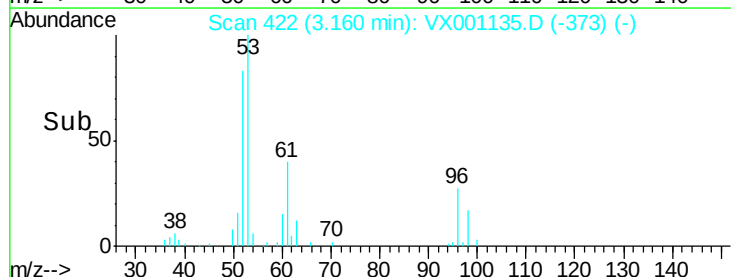
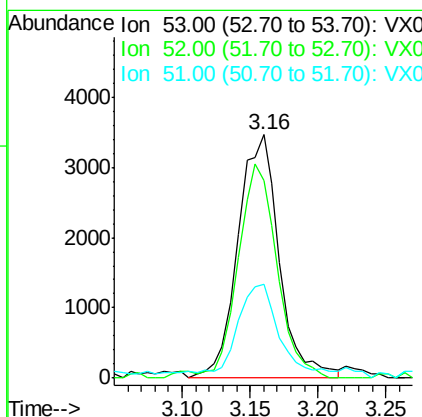
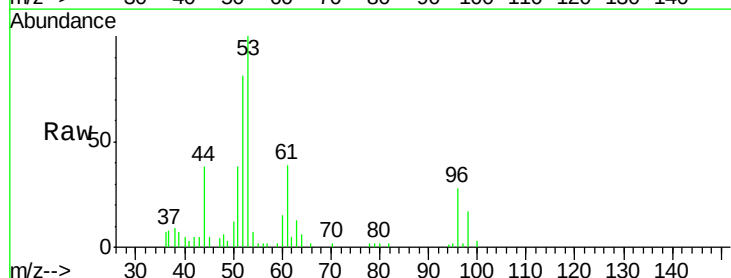
RT: 3.16 min Scan# 422

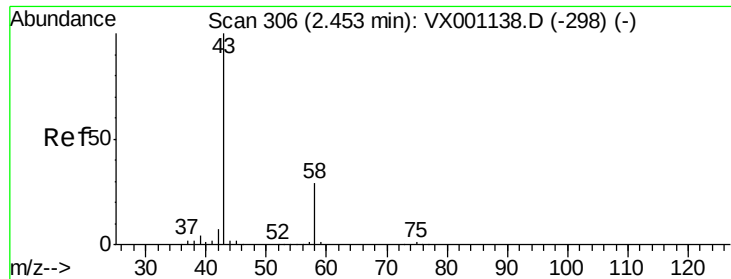
Delta R.T. -0.00 min

Lab File: VX001135.D

Acq: 26 Apr 2018 17:03

Tgt Ion:	53	Resp:	7348
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.5	99.7
51	36.5	29.5	44.3





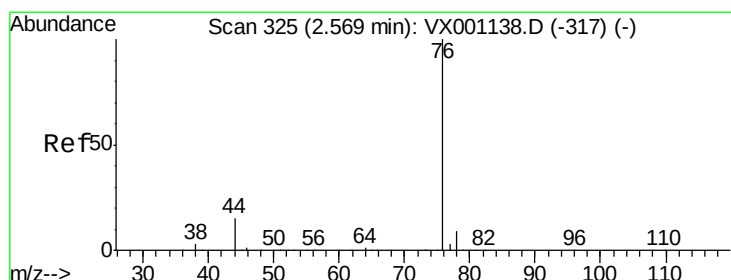
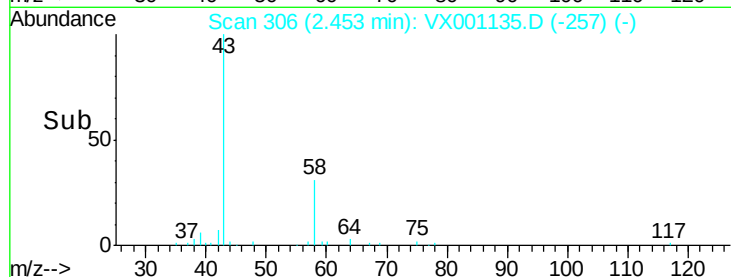
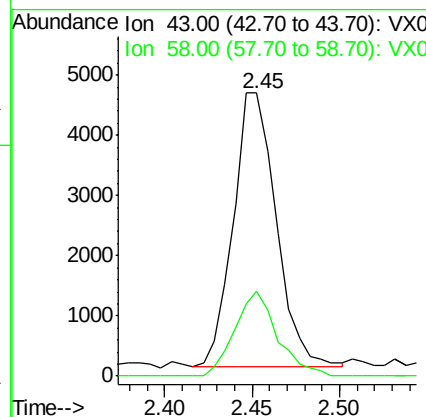
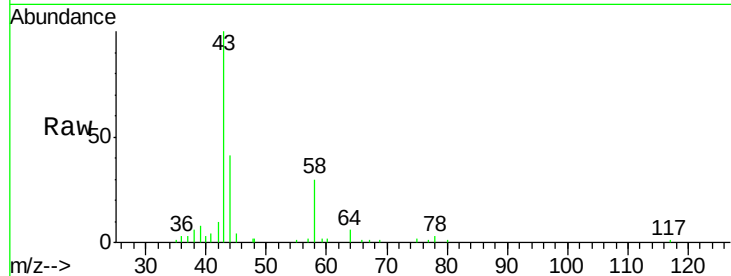
#16
Acetone
Concen: 7.66 ug/l
RT: 2.45 min Scan# 306
Delta R.T. -0.00 min
Lab File: VX001135.D
Acq: 26 Apr 2018 17:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion: 43 Resp: 7757
Ion Ratio Lower Upper
43 100
58 31.1 23.0 34.6

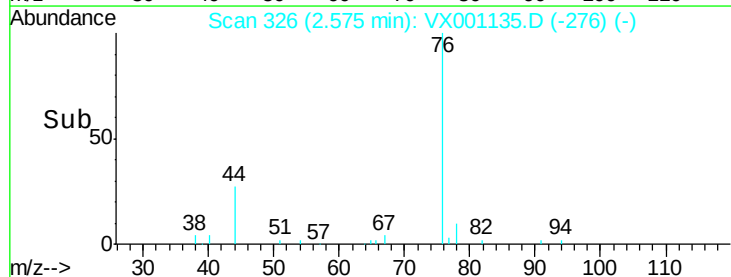
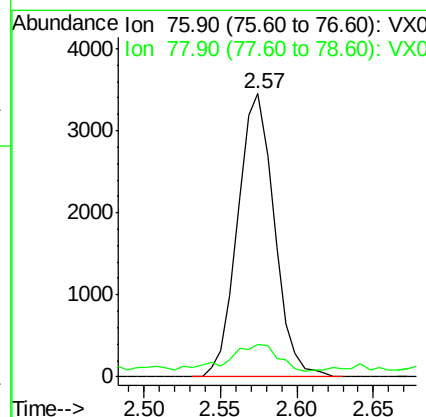
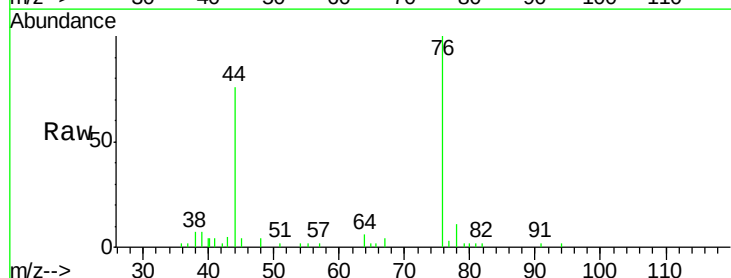
Manual Integrations
APPROVED

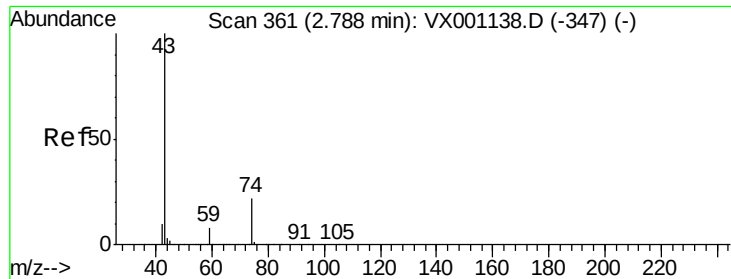
MMDadoda
4/30/2018 6:03:23 PM



#17
Carbon Disulfide
Concen: 1.04 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.01 min
Lab File: VX001135.D
Acq: 26 Apr 2018 17:03

Tgt Ion: 76 Resp: 5740
Ion Ratio Lower Upper
76 100
78 8.6 7.3 10.9





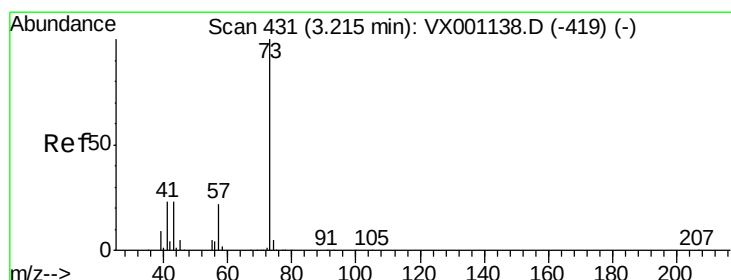
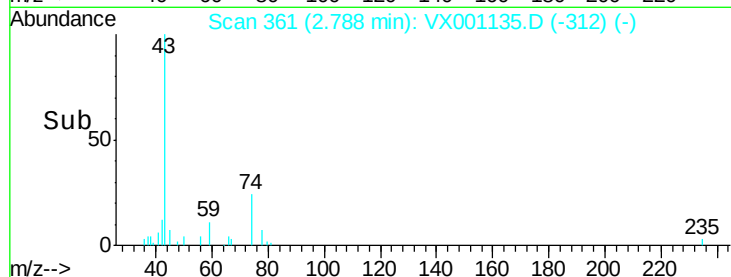
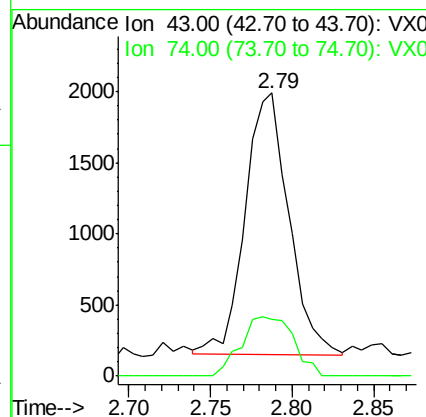
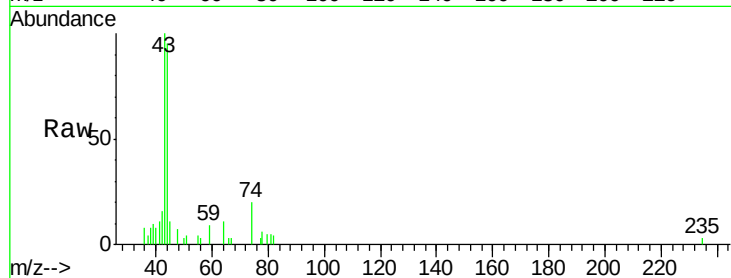
#18
Methvl Acetate
Concen: 1.17 ug/l
RT: 2.79 min Scan# 361
Delta R.T. -0.00 min
Lab File: VX001135.D
Acq: 26 Apr 2018 17:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion: 43 Resp: 3424
Ion Ratio Lower Upper
43 100
74 27.2 18.1 27.1#

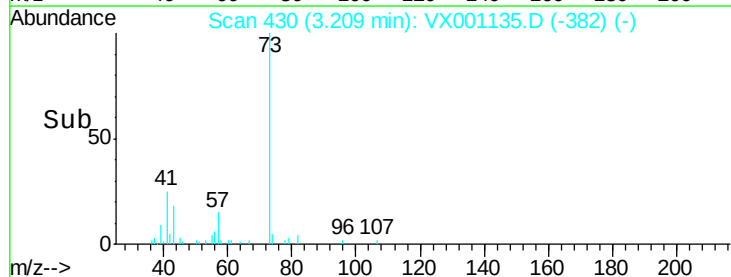
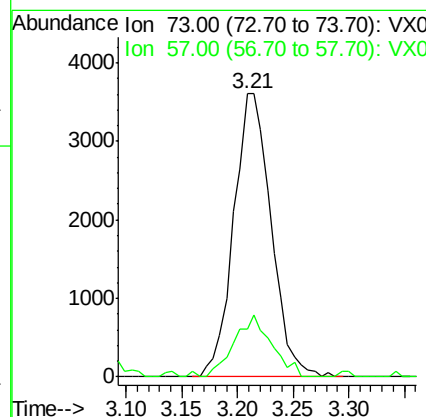
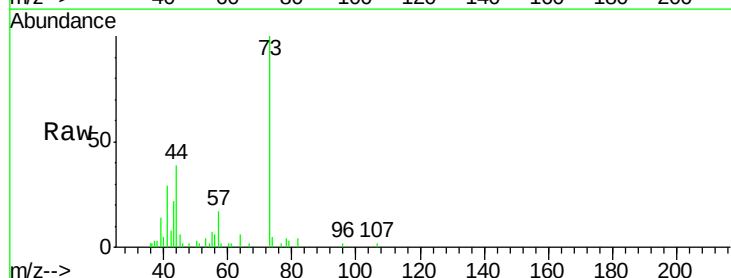
Manual Integrations
APPROVED

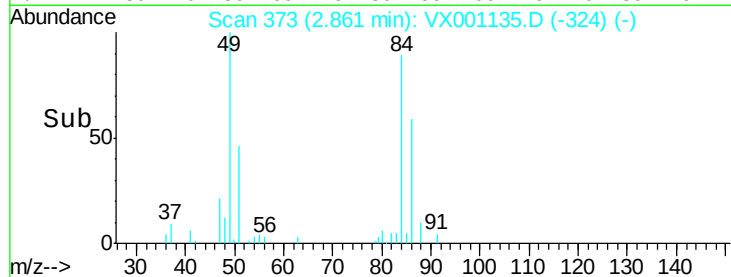
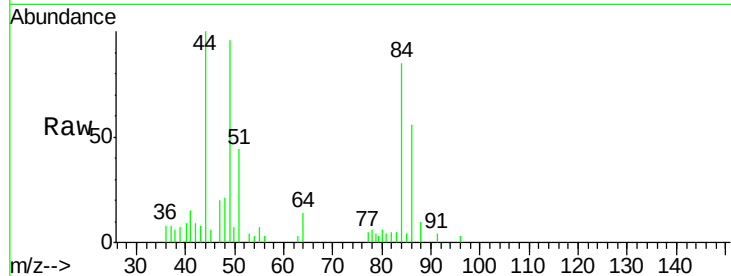
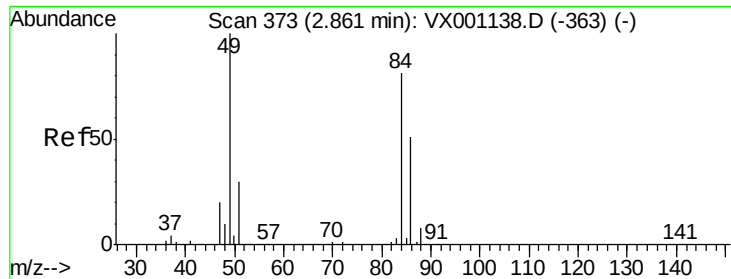
MMDadoda
4/30/2018 6:03:23 PM



#19
Methyl tert-butyl Ether
Concen: 1.25 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.01 min
Lab File: VX001135.D
Acq: 26 Apr 2018 17:03

Tgt Ion: 73 Resp: 8424
Ion Ratio Lower Upper
73 100
57 15.1 17.7 26.5#





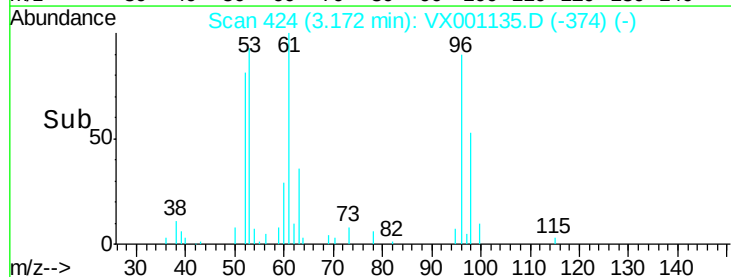
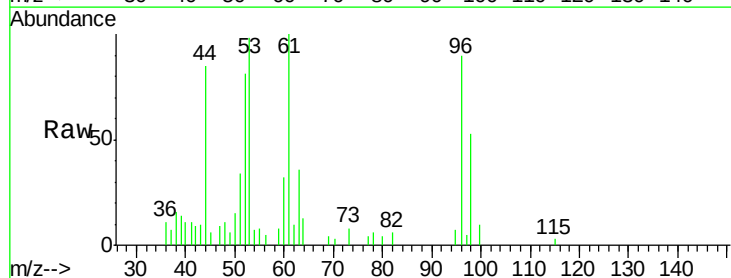
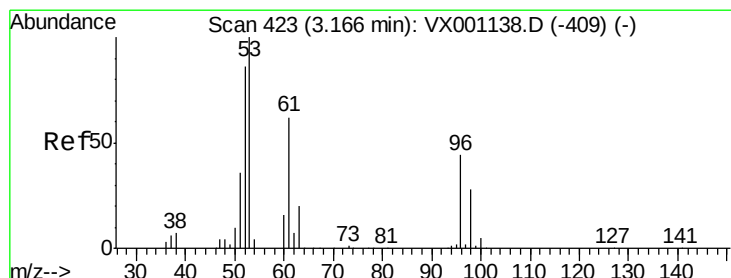
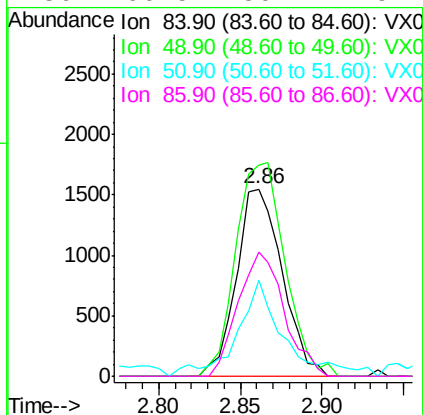
#20
Methylene Chloride
Concen: 1.34 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX001135.D
Acq: 26 Apr 2018 17:03

Tot Ion:	84	Resp:	3025
Ion	Ratio	Lower	Upper
84	100		
49	112.9	99.2	148.8
51	45.8	29.5	44.3#
86	66.5	50.2	75.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

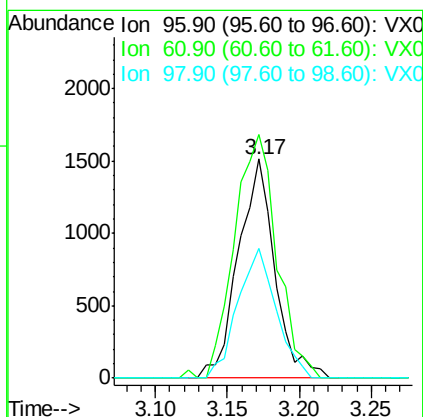
Manual Integrations
APPROVED

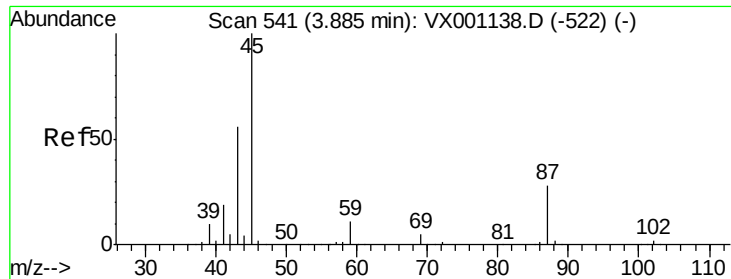
MMDadoda
4/30/2018 6:03:23 PM



#21
trans-1,2-Dichloroethene
Concen: 1.22 ug/l
RT: 3.17 min Scan# 424
Delta R.T. 0.01 min
Lab File: VX001135.D
Acq: 26 Apr 2018 17:03

Tgt Ion:	96	Resp:	2669
Ion	Ratio	Lower	Upper
96	100		
61	111.2	111.9	167.9#
98	59.4	51.1	76.7





#22

Diisopropyl ether

Concen: 1.15 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.01 min

Lab File: VX001135.D

Acq: 26 Apr 2018 17:03

Instrument :

MSVOA_X

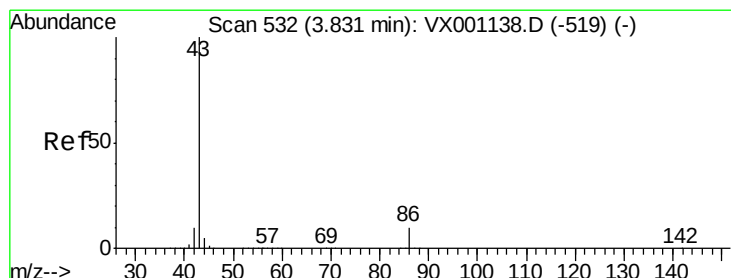
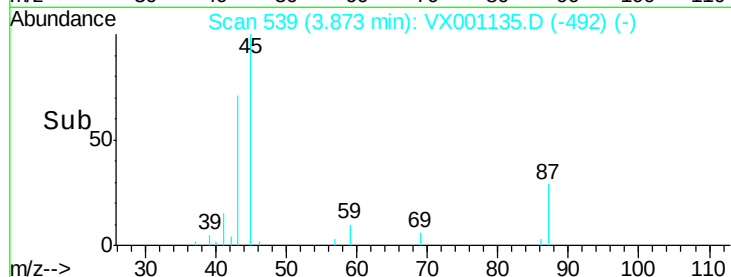
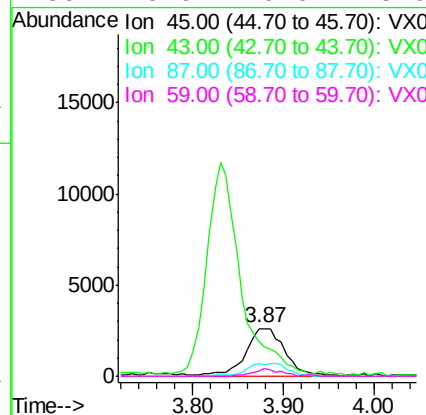
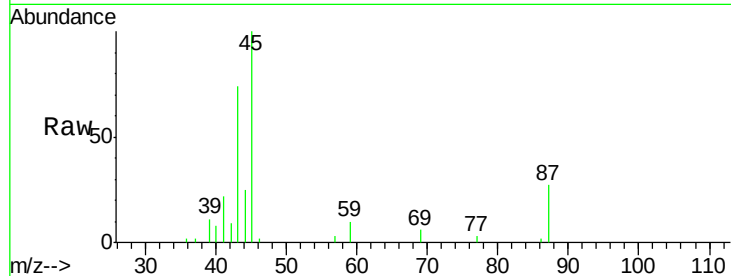
ClientSampleId :

VSTDIC001

Tot Ion	45	Resp	7978
Ion	Ratio	Lower	Upper
45	100		
43	67.5	45.0	67.4#
87	27.3	22.8	34.2
59	9.9	9.0	13.6

Manual Integrations
APPROVED

MMDadoda
4/30/2018 6:03:23 PM



#23

Vinyl Acetate

Concen: 5.09 ug/l

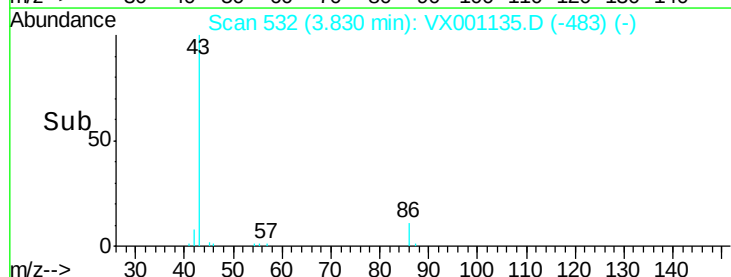
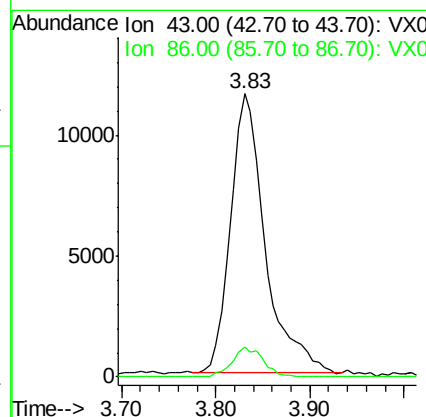
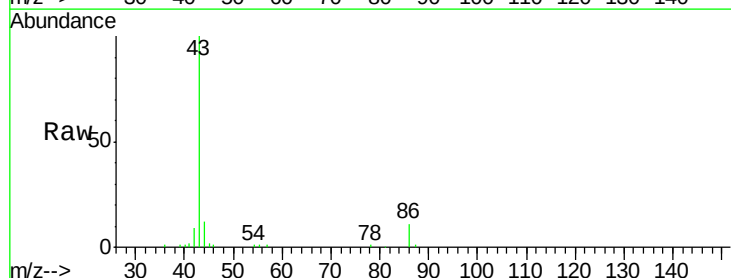
RT: 3.83 min Scan# 532

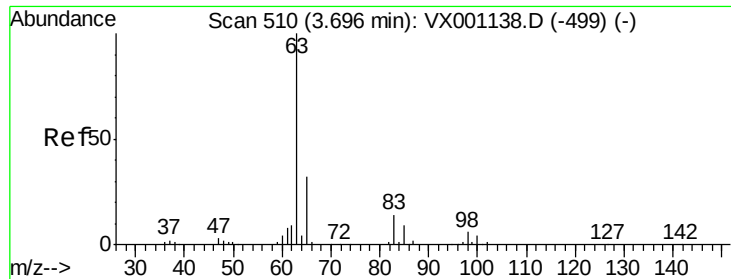
Delta R.T. -0.00 min

Lab File: VX001135.D

Acq: 26 Apr 2018 17:03

Tgt Ion	43	Resp	29652
Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.0	12.0





#24

1,1-Dichloroethane

Concen: 1.18 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX001135.D

Acq: 26 Apr 2018 17:03

Instrument :

MSVOA_X

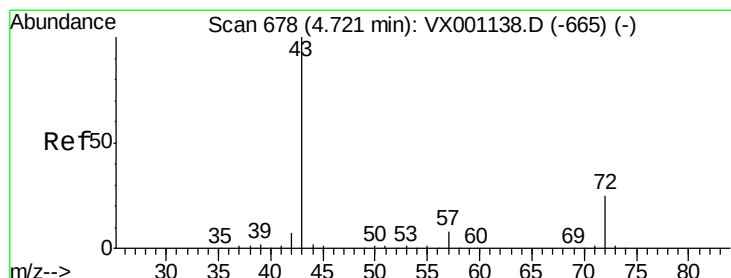
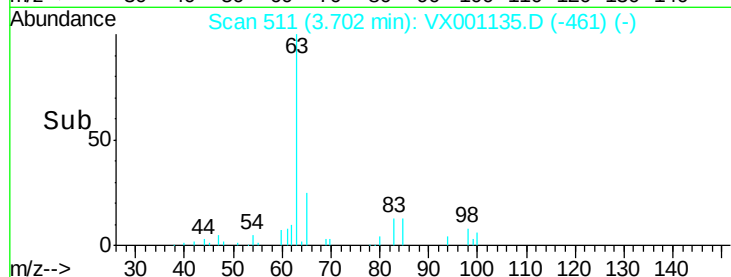
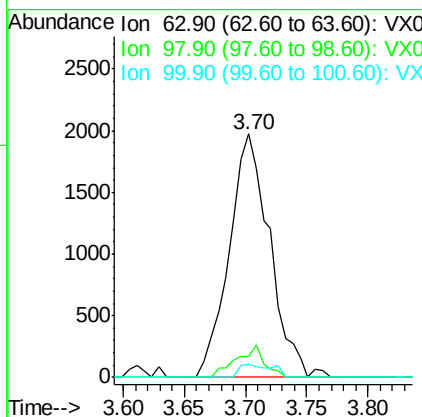
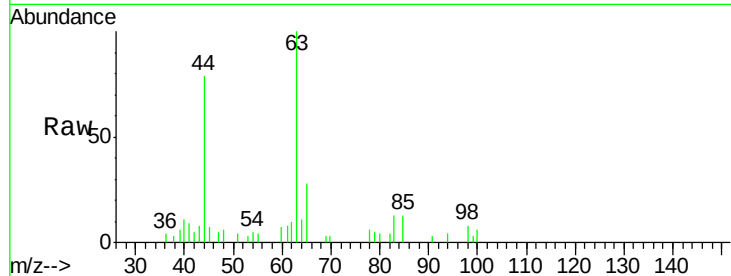
ClientSampleId :

VSTDIC001

Tot Ion:	63	Resp:	4532
Ion	Ratio	Lower	Upper
63	100		
98	8.4	3.1	9.4
100	5.7	2.1	6.5

Manual Integrations
APPROVED

MMDadoda
4/30/2018 6:03:23 PM



#25

2-Butanone

Concen: 7.02 ug/l

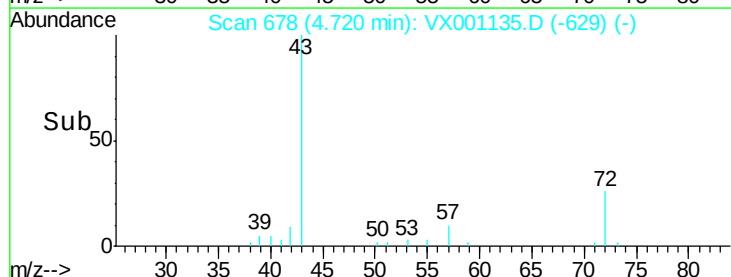
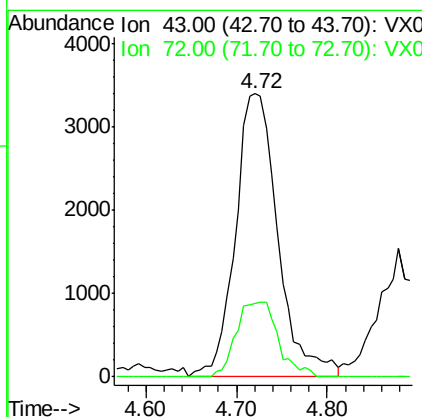
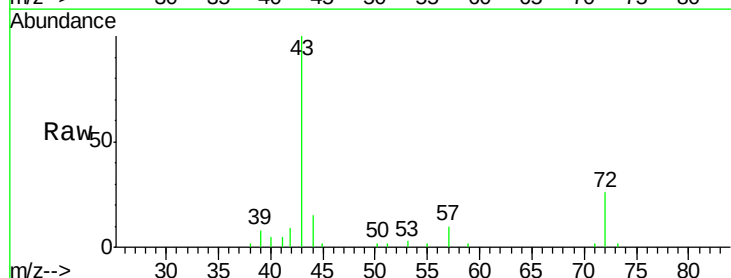
RT: 4.72 min Scan# 678

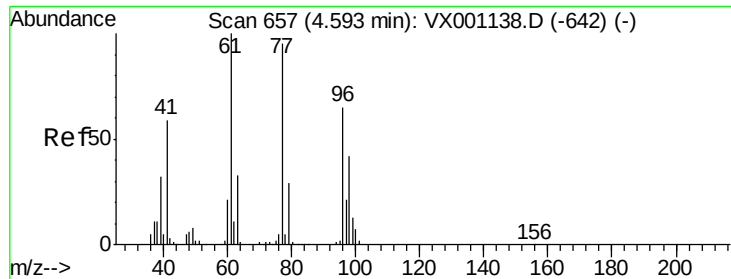
Delta R.T. -0.00 min

Lab File: VX001135.D

Acq: 26 Apr 2018 17:03

Tgt Ion:	43	Resp:	11036
Ion	Ratio	Lower	Upper
43	100		
72	26.0	20.0	30.0





#26

2,2-Dichloropropane

Concen: 1.02 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX001135.D

Acq: 26 Apr 2018 17:03

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

Tot Ion: 77 Resp: 3329

Ion Ratio Lower Upper

77 100

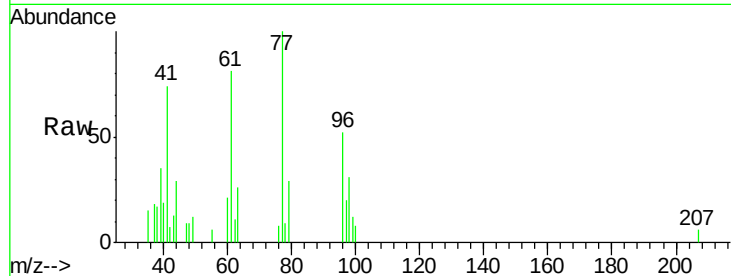
97 23.4 11.4 34.2

Manual Integrations

APPROVED

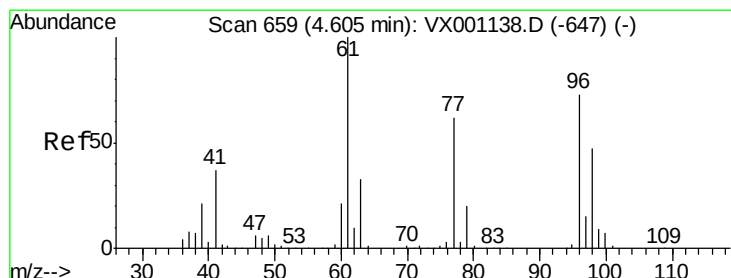
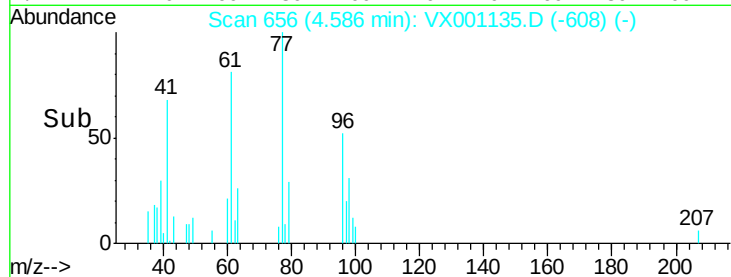
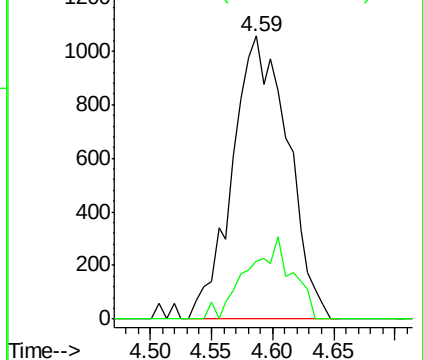
MMDadoda

4/30/2018 6:03:23 PM



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 1.09 ug/l

RT: 4.60 min Scan# 659

Delta R.T. -0.00 min

Lab File: VX001135.D

Acq: 26 Apr 2018 17:03

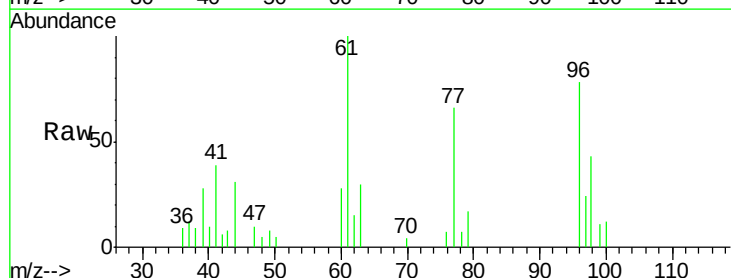
Tgt Ion: 96 Resp: 2669

Ion Ratio Lower Upper

96 100

61 140.6 0.0 289.0

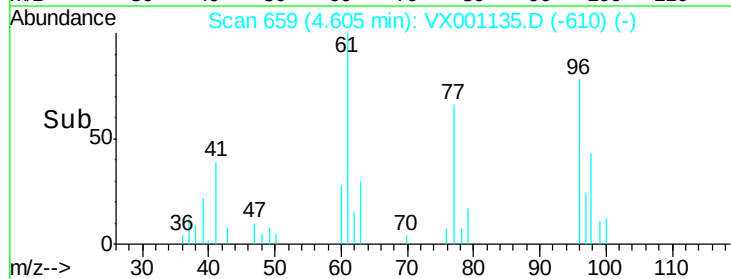
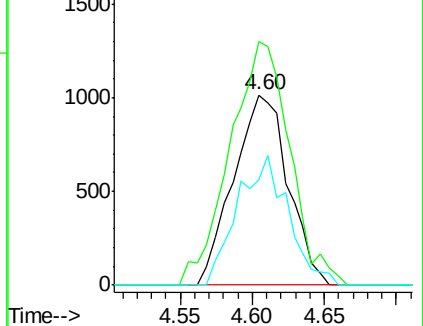
98 63.4 0.0 128.2

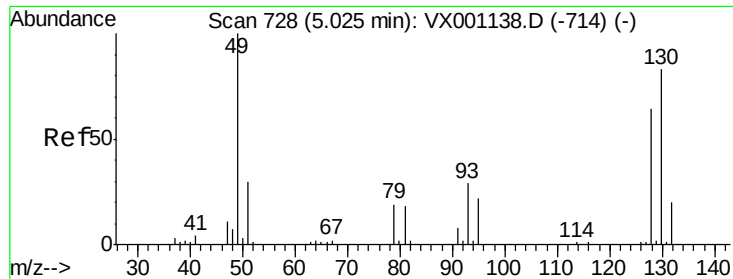


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#28

Bromochloromethane

Concen: 1.20 ug/l

RT: 5.03 min Scan# 729

Delta R.T. 0.01 min

Lab File: VX001135.D

Acq: 26 Apr 2018 17:03

Instrument :

MSVOA_X

ClientSampleId :

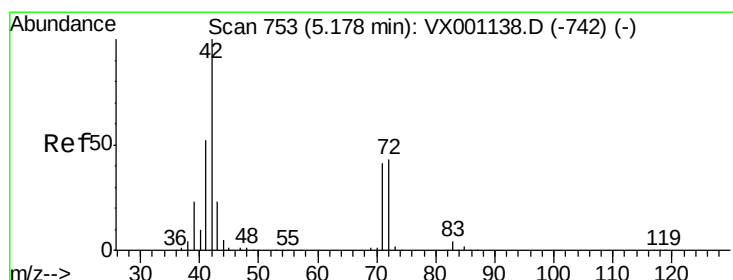
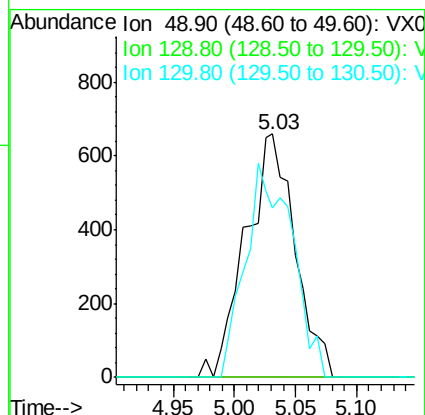
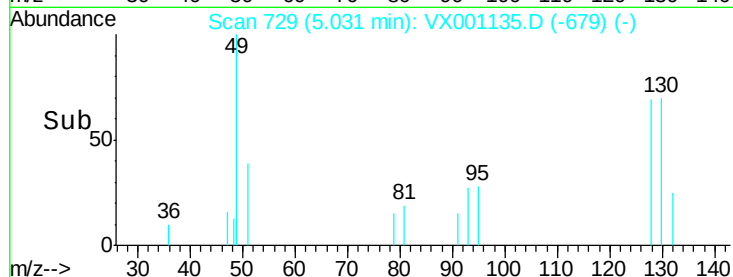
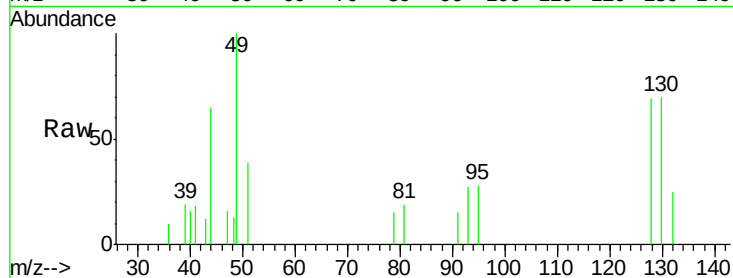
VSTDIC001

Tot Ion: 49 Resp: 1844

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.6
130	83.3	68.2	102.2

Manual Integrations
APPROVED

MMDadoda
4/30/2018 6:03:23 PM



#29

Tetrahydrofuran

Concen: 7.22 ug/l

RT: 5.18 min Scan# 754

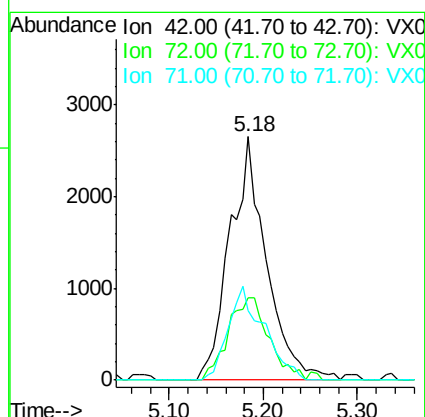
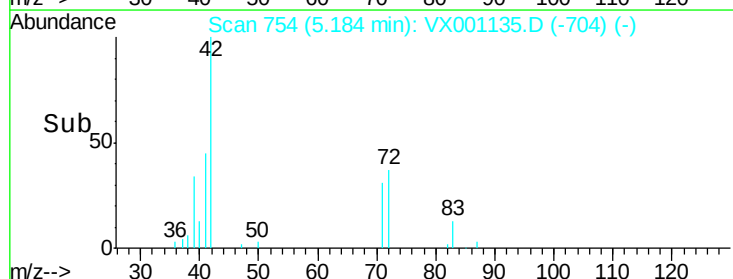
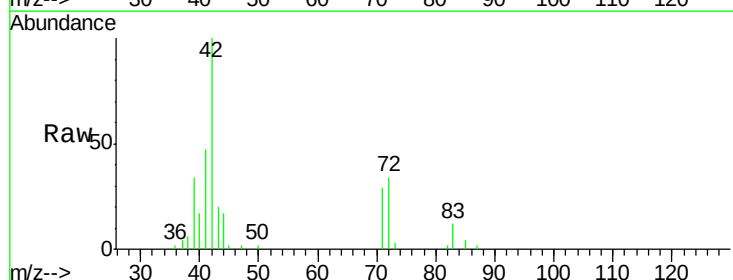
Delta R.T. 0.01 min

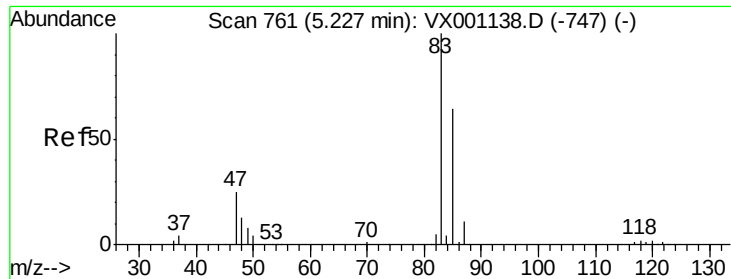
Lab File: VX001135.D

Acq: 26 Apr 2018 17:03

Tgt Ion: 42 Resp: 7183

Ion	Ratio	Lower	Upper
42	100		
72	37.6	34.4	51.6
71	37.9	32.1	48.1





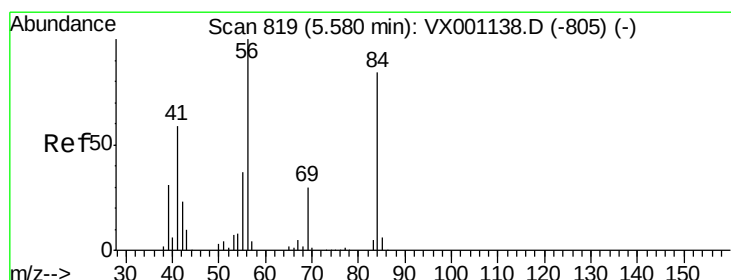
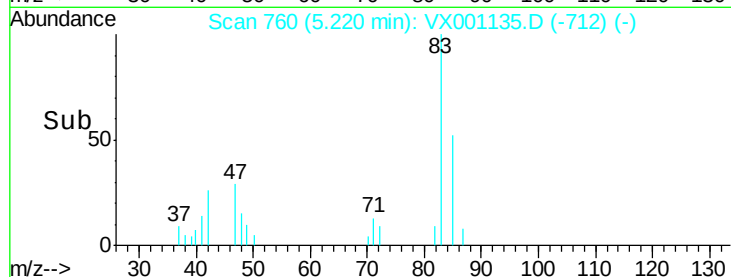
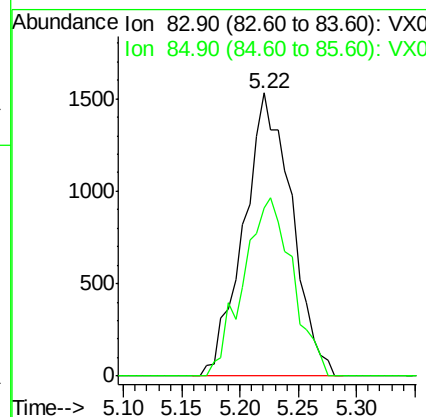
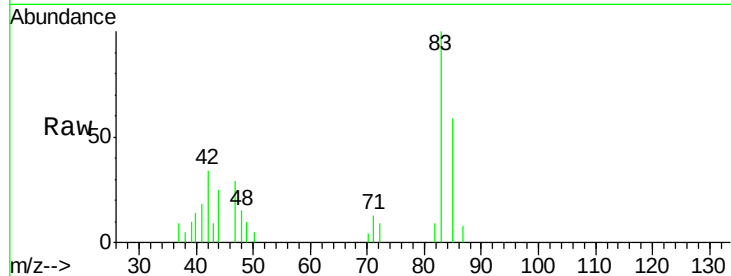
#30
Chloroform
Concen: 1.09 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.01 min
Lab File: VX001135.D
Acq: 26 Apr 2018 17:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion: 83 Resp: 4379
Ion Ratio Lower Upper
83 100
85 59.4 51.4 77.0

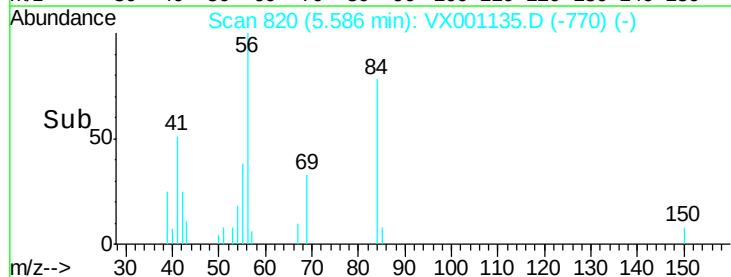
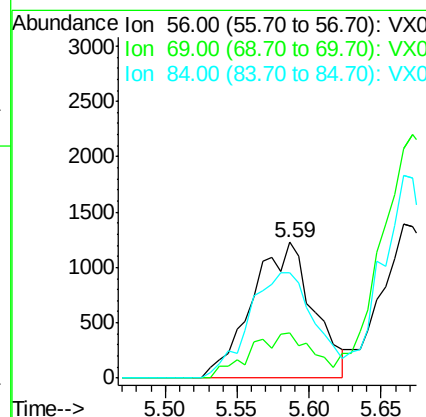
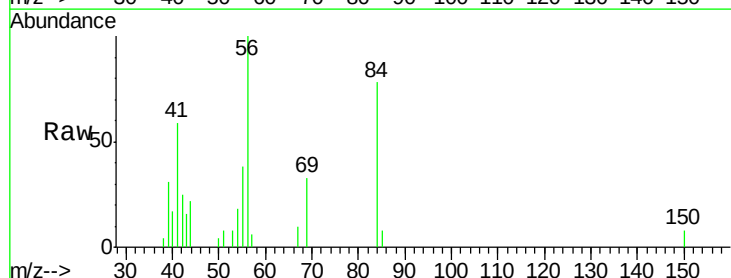
Manual Integrations
APPROVED

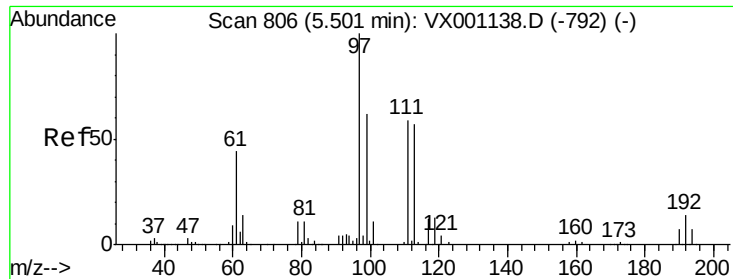
MMDadoda
4/30/2018 6:03:23 PM



#31
Cyclohexane
Concen: 1.03 ug/l
RT: 5.59 min Scan# 820
Delta R.T. 0.01 min
Lab File: VX001135.D
Acq: 26 Apr 2018 17:03

Tgt Ion: 56 Resp: 3636
Ion Ratio Lower Upper
56 100
69 33.1 24.2 36.2
84 77.9 67.5 101.3





#32

1,1,1-Trichloroethane

Concen: 1.03 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX001135.D

Acq: 26 Apr 2018 17:03

Instrument :

MSVOA_X

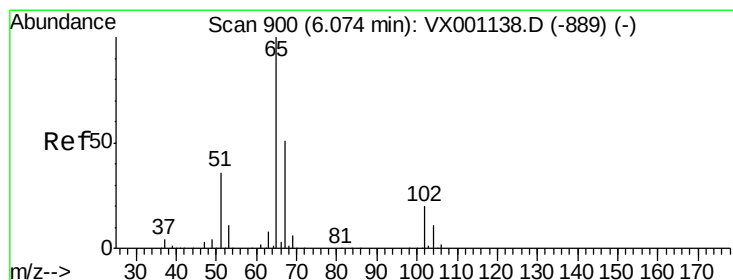
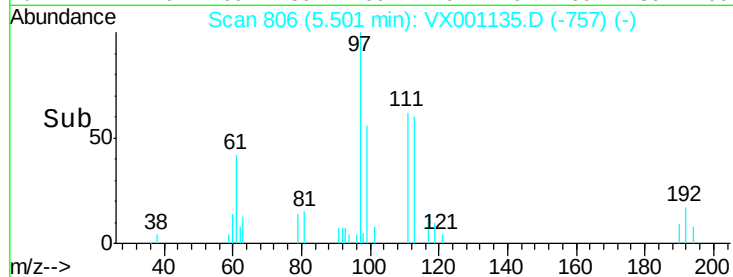
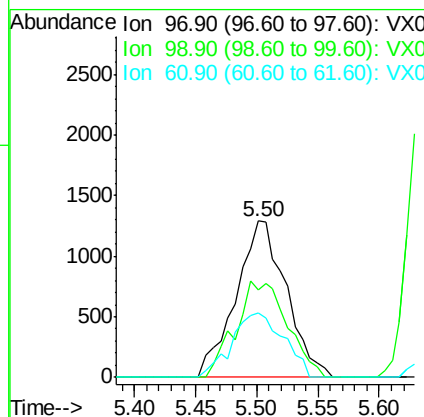
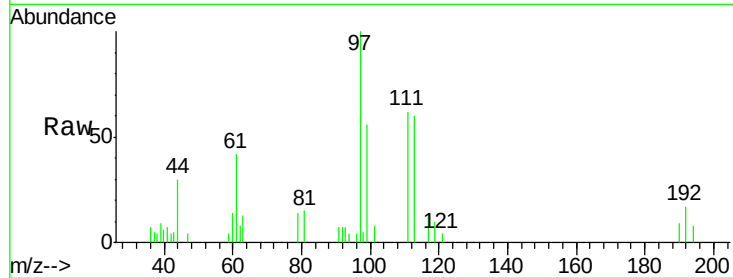
ClientSampleId :

VSTDIC001

Tot Ion:	97	Resp:	3681
Ion	Ratio	Lower	Upper
97	100		
99	0.0	50.9	76.3#
61	42.3	35.0	52.6

Manual Integrations
APPROVED

MMDadoda
4/30/2018 6:03:23 PM



#33

1,2-Dichloroethane-d4

Concen: 1.54 ug/l

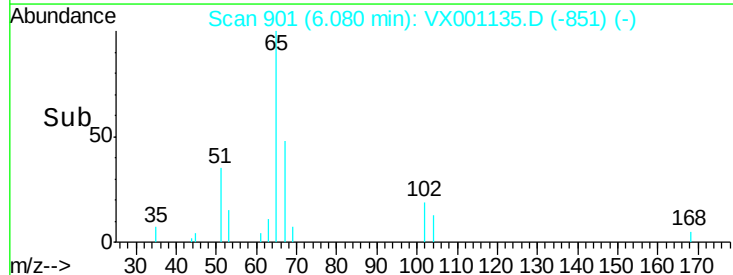
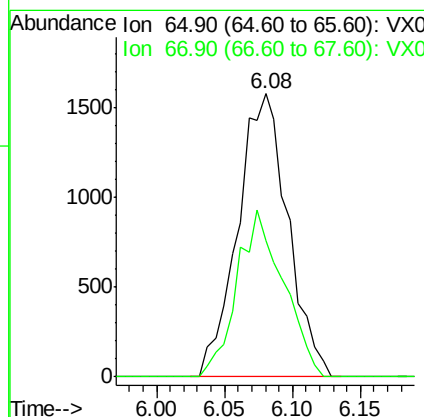
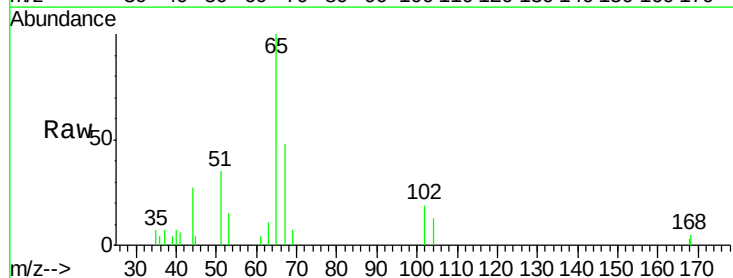
RT: 6.08 min Scan# 901

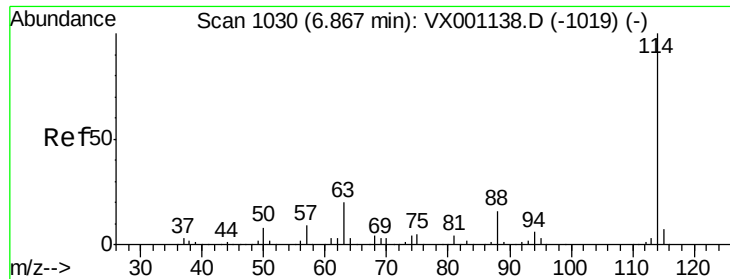
Delta R.T. 0.01 min

Lab File: VX001135.D

Acq: 26 Apr 2018 17:03

Tgt Ion:	65	Resp:	4052
Ion	Ratio	Lower	Upper
65	100		
67	54.5	0.0	102.2





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX001135.D

Acq: 26 Apr 2018 17:03

Instrument :

MSVOA_X

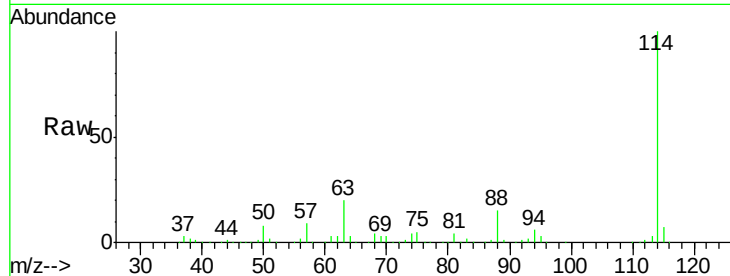
ClientSampleId :

VSTDIC001

Tot Ion:	114	Resp:	284818
Ion Ratio	Lower	Upper	
114	100		
63	19.8	0.0	40.4
88	15.3	0.0	31.8

Manual Integrations
APPROVED

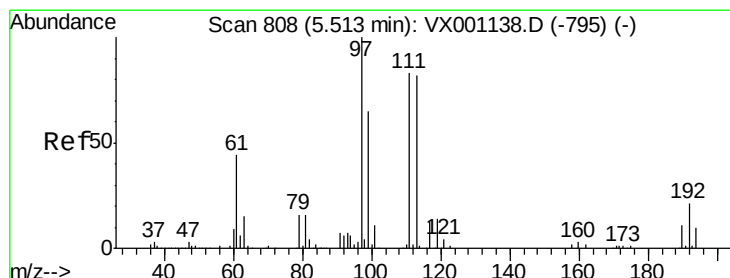
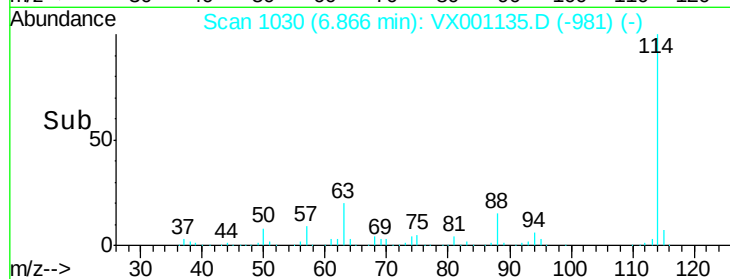
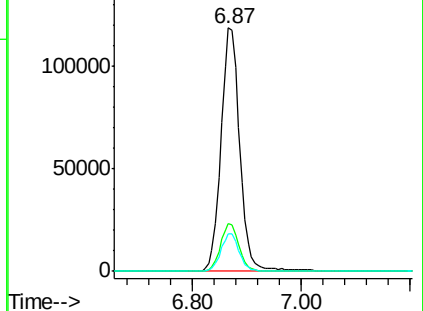
MMDadoda
4/30/2018 6:03:23 PM



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 1.14 ug/l

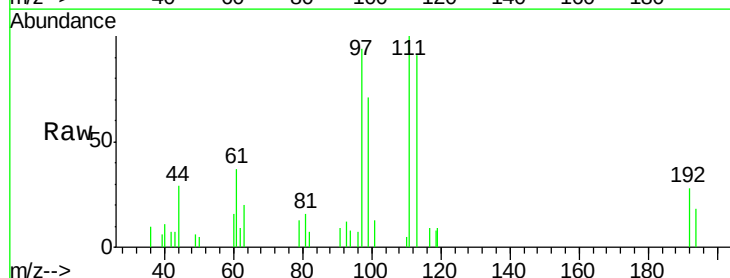
RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX001135.D

Acq: 26 Apr 2018 17:03

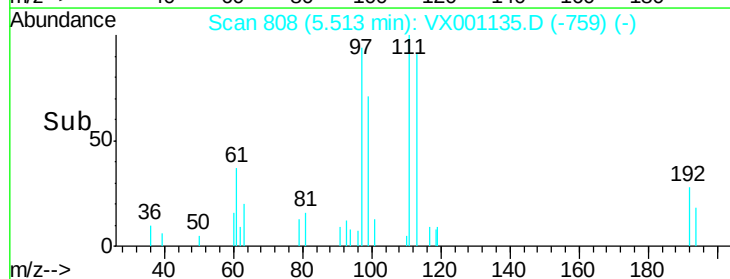
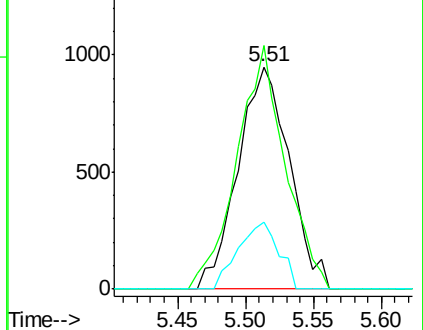
Tgt Ion:	113	Resp:	2507
Ion Ratio	Lower	Upper	
113	100		
111	102.8	82.2	123.4
192	23.9	20.6	30.8

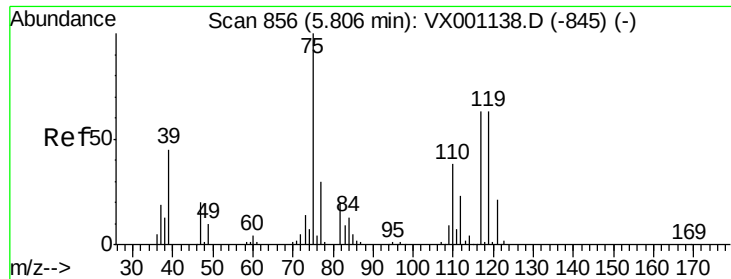


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





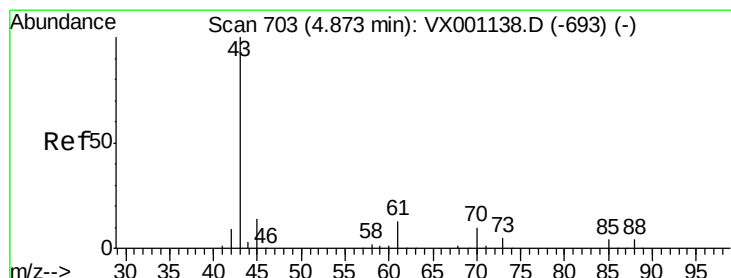
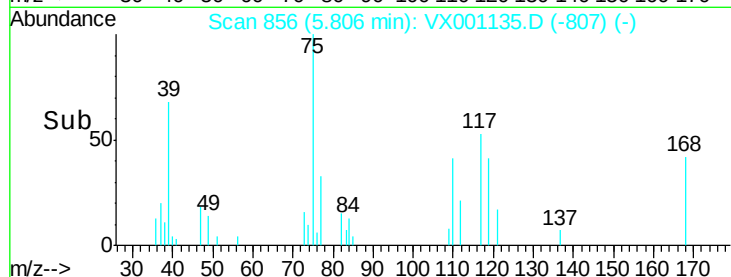
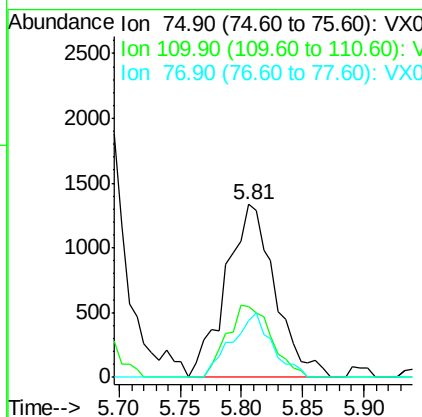
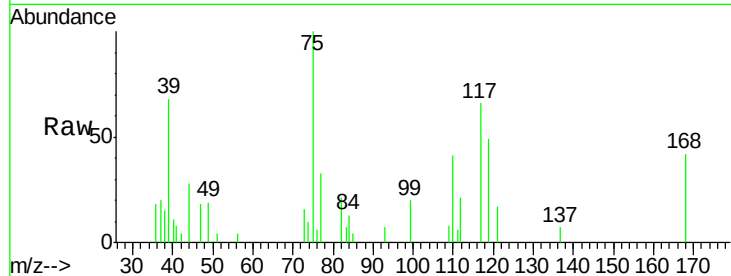
#36
 1,1-Dichloropropene
 Concen: 1.13 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. -0.00 min
 Lab File: VX001135.D
 Acq: 26 Apr 2018 17:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
110	37.6	19.0	57.0
77	30.8	24.8	37.2

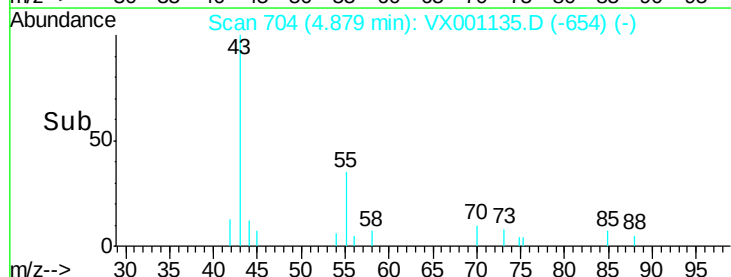
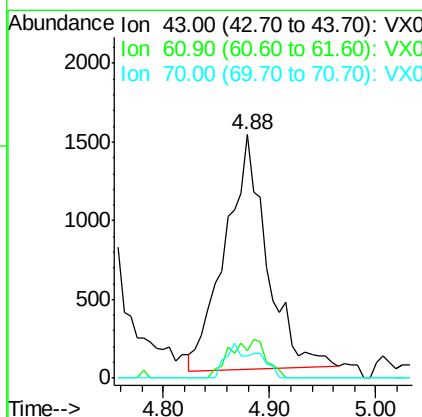
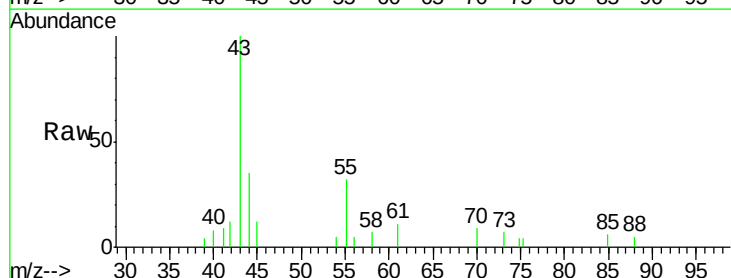
Manual Integrations
 APPROVED

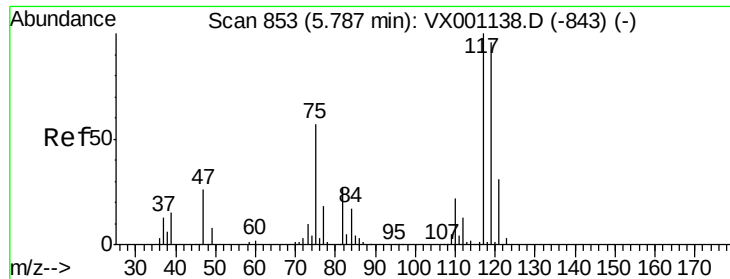
MMDadoda
 4/30/2018 6:03:23 PM



#37
 Ethyl Acetate
 Concen: 1.29 ug/l
 RT: 4.88 min Scan# 704
 Delta R.T. 0.01 min
 Lab File: VX001135.D
 Acq: 26 Apr 2018 17:03

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.0	16.6
70	6.8	8.2	12.2#





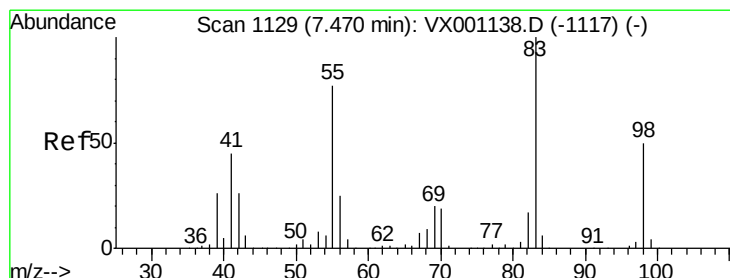
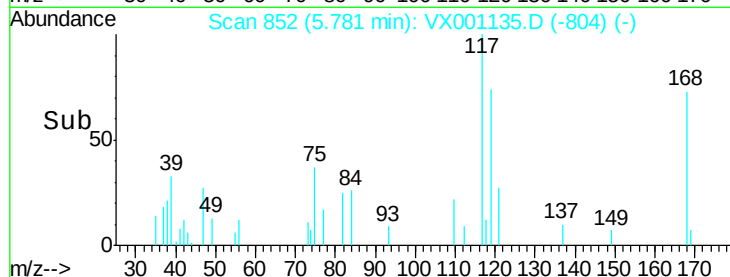
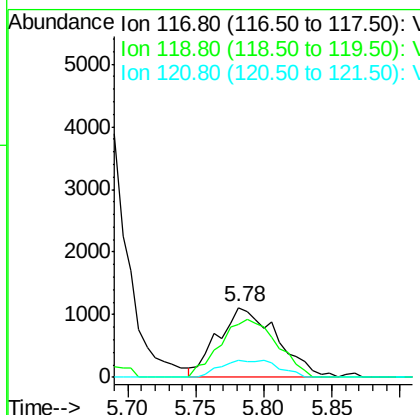
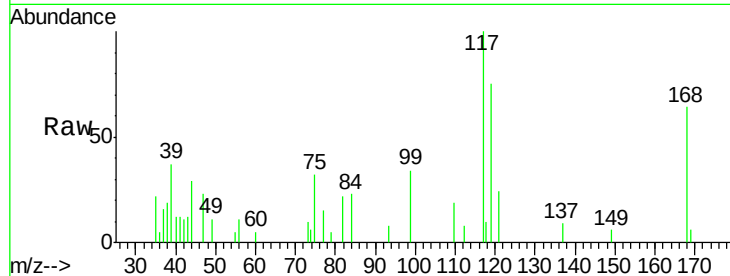
#38
Carbon Tetrachloride
Concen: 1.00 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX001135.D
Acq: 26 Apr 2018 17:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
119	75.3	76.5	114.7#
121	23.6	24.6	37.0#

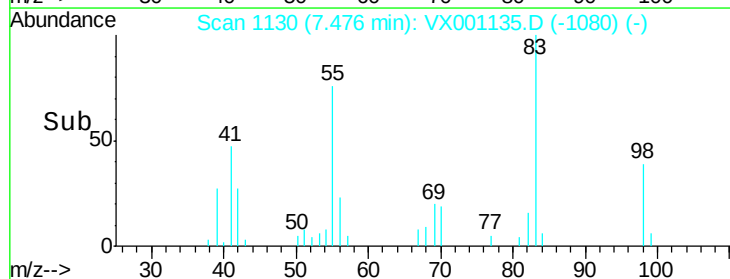
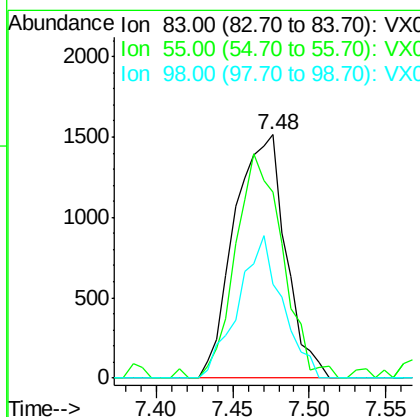
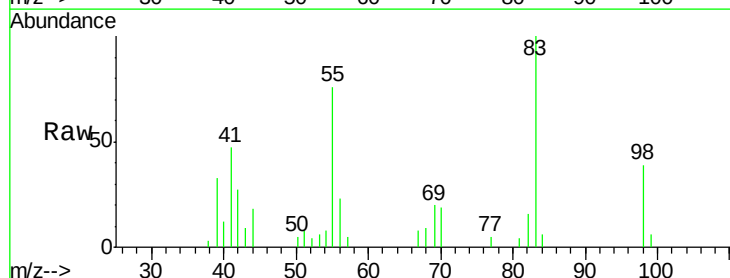
Manual Integrations
APPROVED

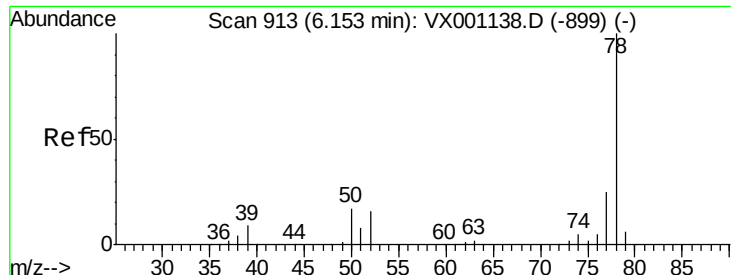
MMDadoda
4/30/2018 6:03:23 PM



#39
Methylcyclohexane
Concen: 0.93 ug/l
RT: 7.48 min Scan# 1130
Delta R.T. 0.01 min
Lab File: VX001135.D
Acq: 26 Apr 2018 17:03

Tgt Ion	Ratio	Lower	Upper
83	100		
55	76.4	61.8	92.6
98	38.7	40.0	60.0#





#40

Benzene

Concen: 1.02 ug/l

RT: 6.15 min Scan# 912

Delta R.T. -0.01 min

Lab File: VX001135.D

Acq: 26 Apr 2018 17:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 78 Resp: 9466

Ion Ratio Lower Upper

78 100

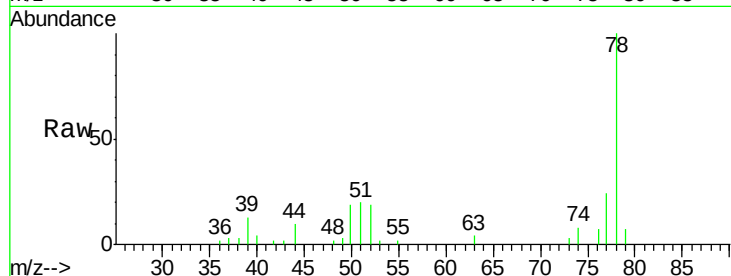
77 23.5 19.7 29.5

Manual Integrations

APPROVED

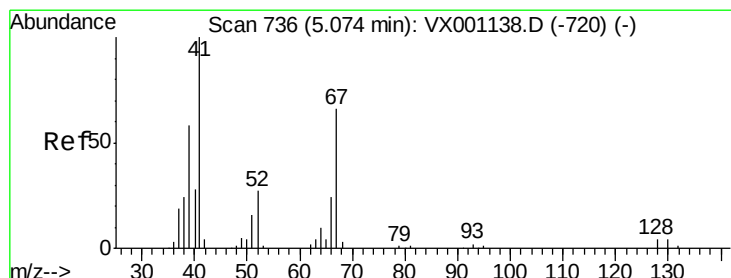
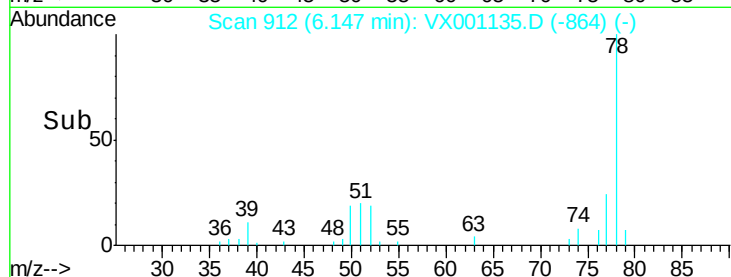
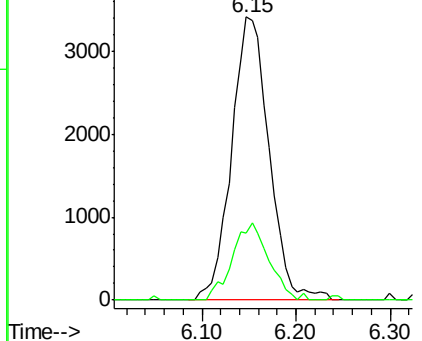
MMDadoda

4/30/2018 6:03:23 PM



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#41

Methacrylonitrile

Concen: 1.13 ug/l

RT: 5.08 min Scan# 737

Delta R.T. 0.01 min

Lab File: VX001135.D

Acq: 26 Apr 2018 17:03

Tgt Ion: 41 Resp: 2217

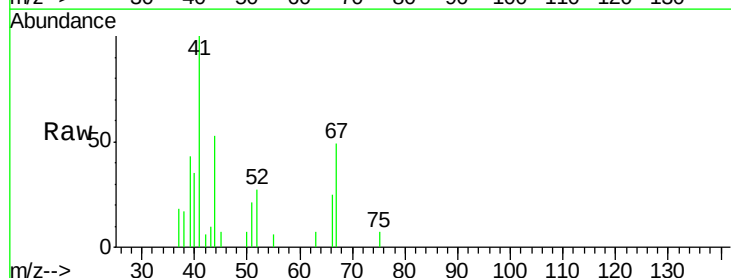
Ion Ratio Lower Upper

41 100

39 77.9 45.9 68.9#

67 68.2 53.2 79.8

52 33.0 23.1 34.7

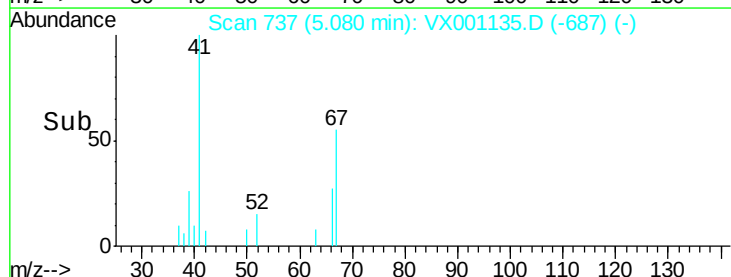
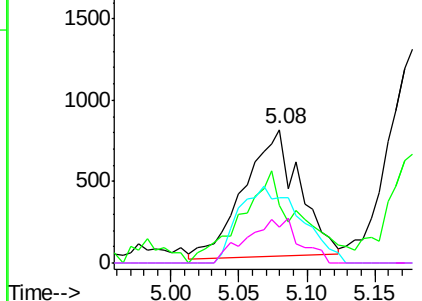


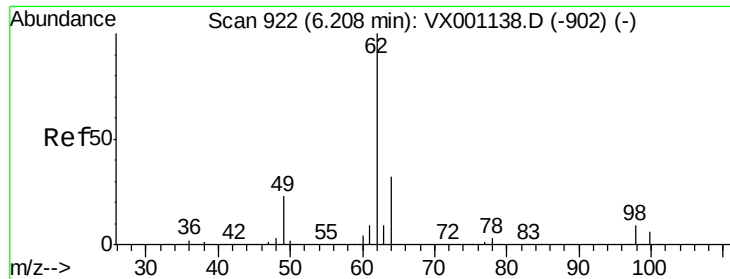
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





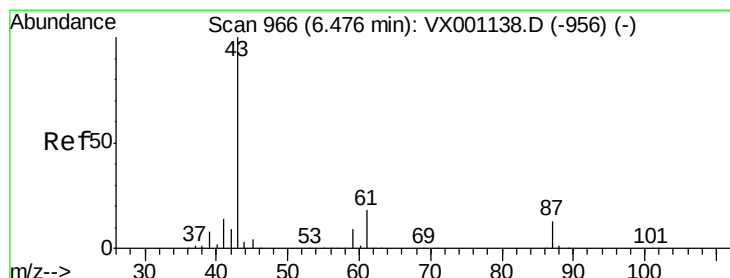
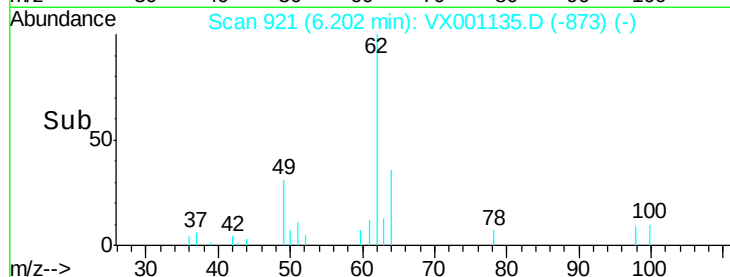
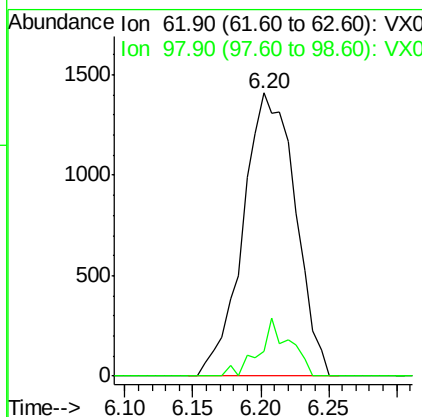
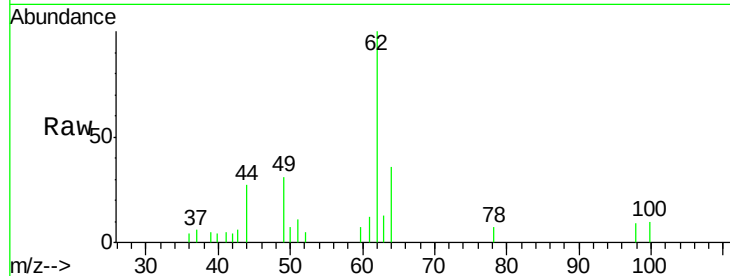
#42
 1,2-Dichloroethane
 Concen: 1.05 ug/l
 RT: 6.20 min Scan# 921
 Delta R.T. -0.01 min
 Lab File: VX001135.D
 Acq: 26 Apr 2018 17:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
62	100		
98	12.1	0.0	17.0

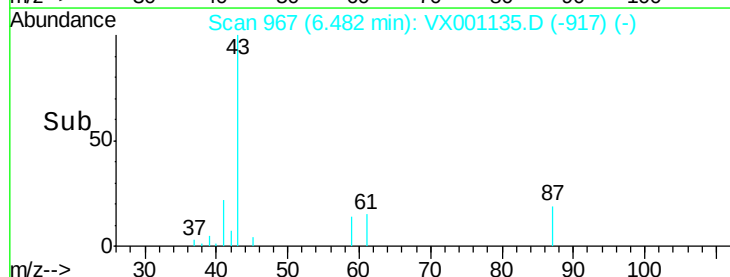
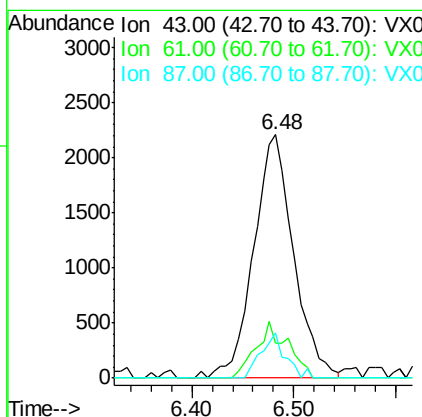
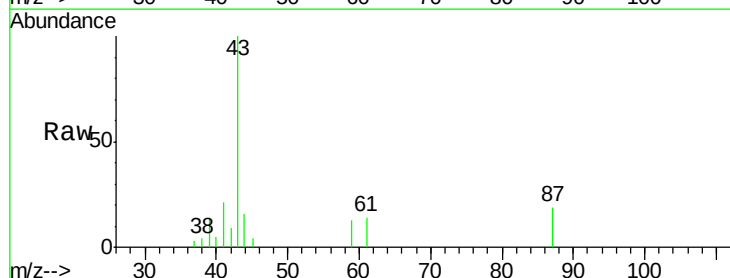
Manual Integrations
 APPROVED

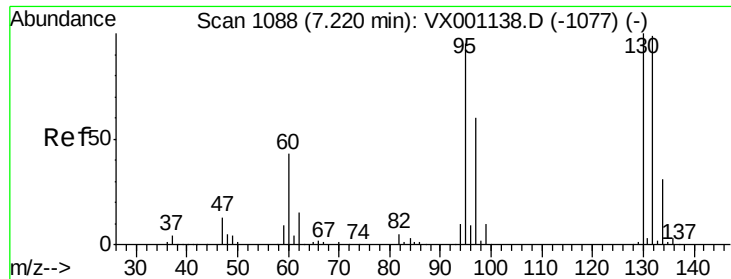
MMDadoda
 4/30/2018 6:03:23 PM



#43
 Isopropyl Acetate
 Concen: 1.12 ug/l
 RT: 6.48 min Scan# 967
 Delta R.T. 0.01 min
 Lab File: VX001135.D
 Acq: 26 Apr 2018 17:03

Tgt Ion	Ratio	Lower	Upper
43	100		
61	18.5	15.0	22.6
87	11.4	10.3	15.5





#44

Trichloroethene

Concen: 1.03 ug/l

RT: 7.23 min Scan# 1089

Delta R.T. 0.01 min

Lab File: VX001135.D

Acq: 26 Apr 2018 17:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:130 Resp: 2902

Ion Ratio Lower Upper

130 100

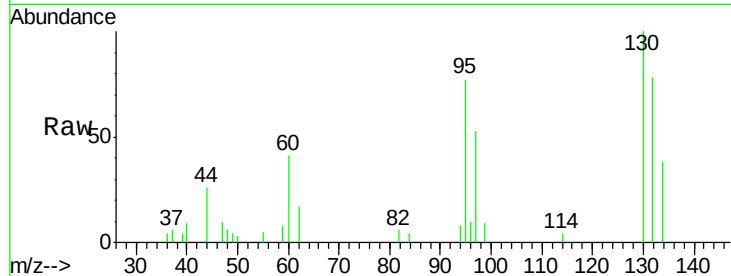
95 76.9 0.0 189.6

Manual Integrations

APPROVED

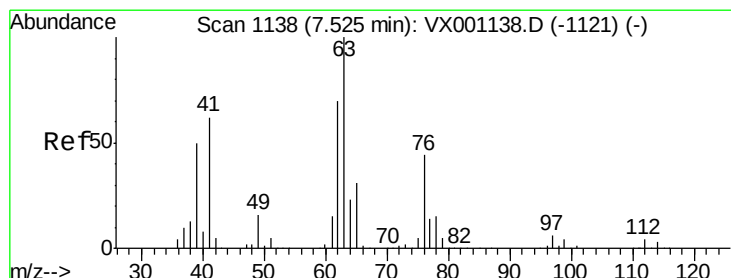
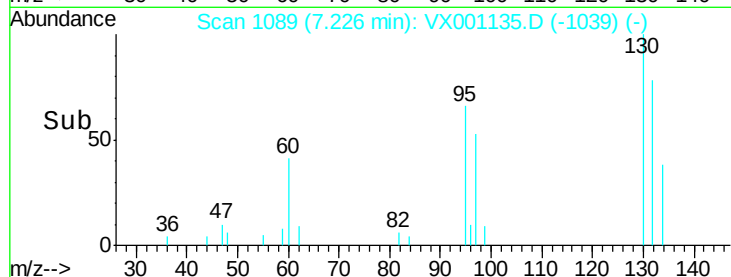
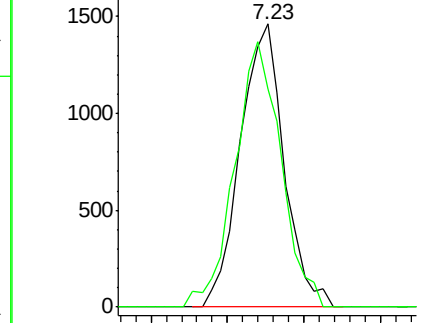
MMDadoda

4/30/2018 6:03:23 PM



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#45

1,2-Dichloropropane

Concen: 1.09 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VX001135.D

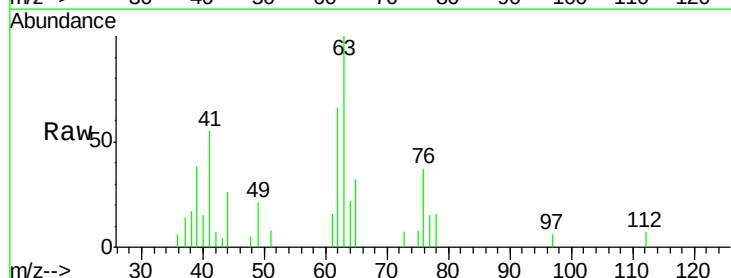
Acq: 26 Apr 2018 17:03

Tgt Ion: 63 Resp: 2550

Ion Ratio Lower Upper

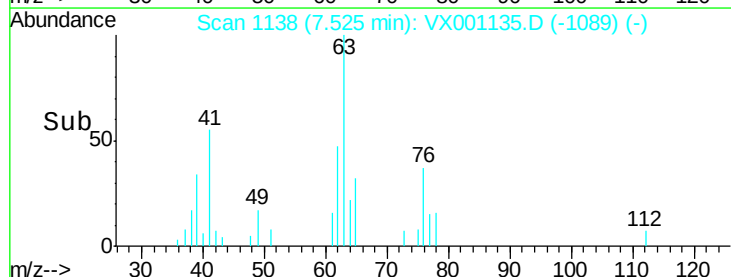
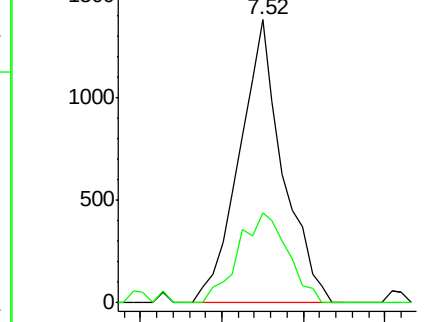
63 100

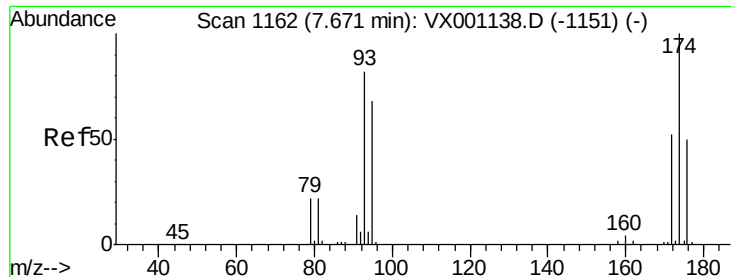
65 31.6 24.9 37.3



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0





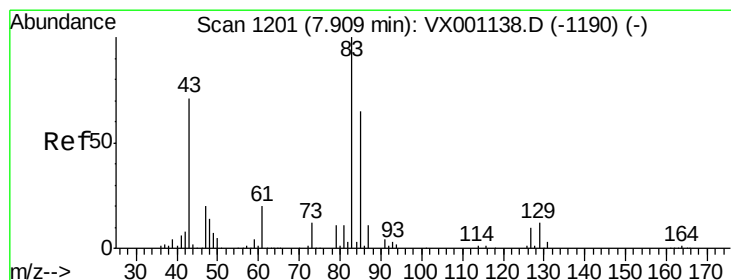
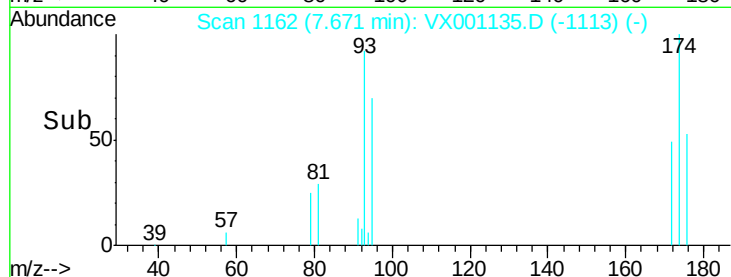
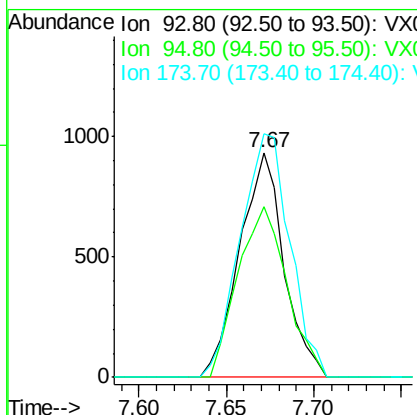
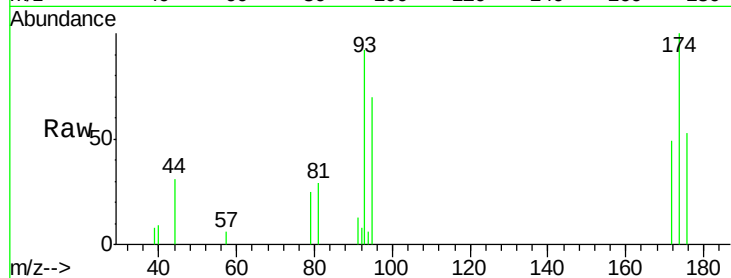
#46
Dibromomethane
Concen: 1.00 ug/l
RT: 7.67 min Scan# 1162
Delta R.T. -0.00 min
Lab File: VX001135.D
Acq: 26 Apr 2018 17:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
93	100		
95	83.9	66.4	99.6
174	120.8	99.6	149.4

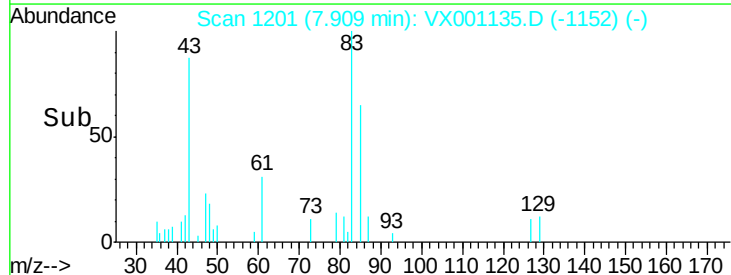
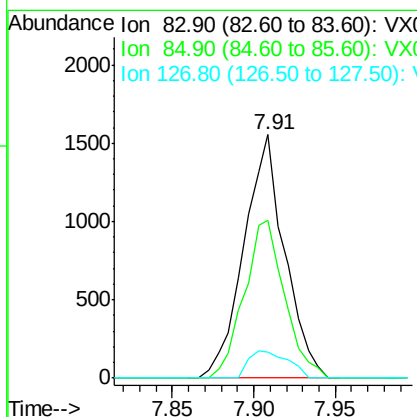
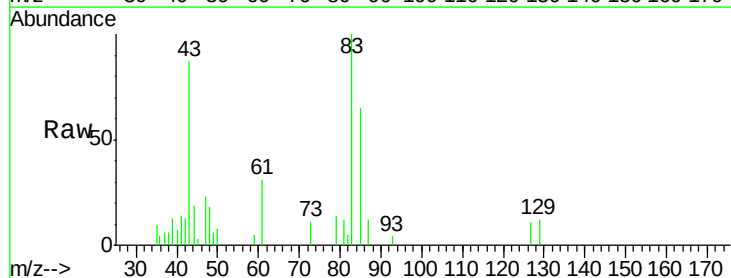
Manual Integrations
APPROVED

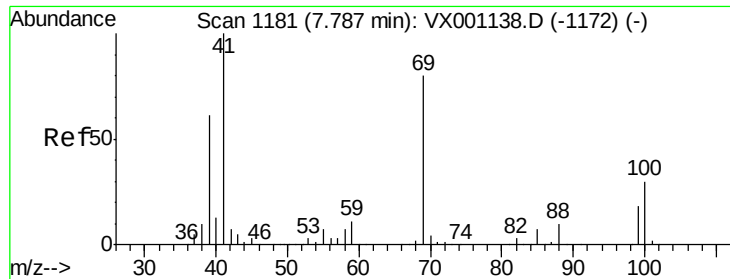
MMDadoda
4/30/2018 6:03:23 PM



#47
Bromodichloromethane
Concen: 0.89 ug/l
RT: 7.91 min Scan# 1201
Delta R.T. -0.00 min
Lab File: VX001135.D
Acq: 26 Apr 2018 17:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.9	77.9
127	10.6	7.7	11.5





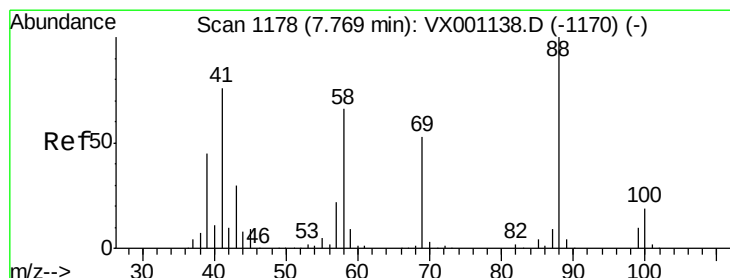
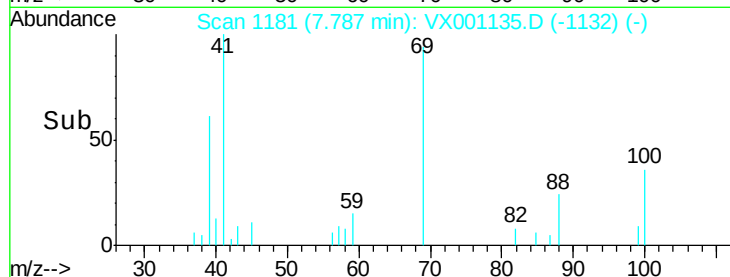
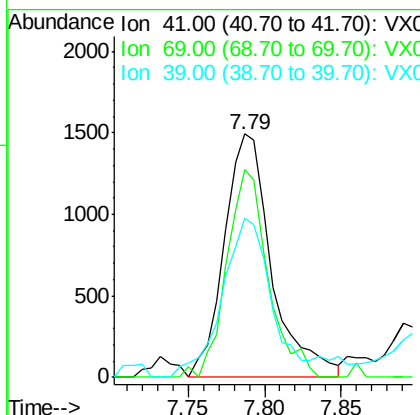
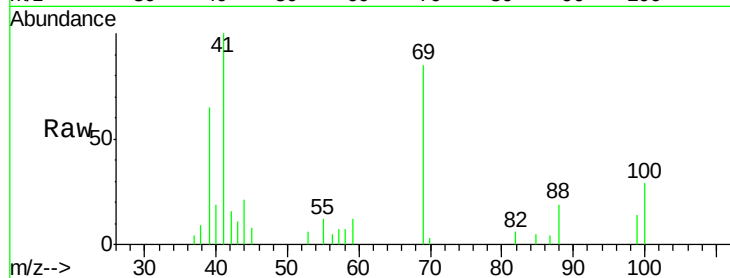
#48
Methvl methacrylate
Concen: 1.11 ug/l
RT: 7.79 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VX001135.D
Acq: 26 Apr 2018 17:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
69	74.4	62.4	93.6
39	67.3	48.7	73.1

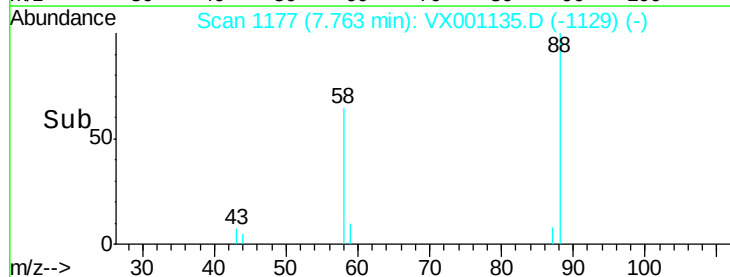
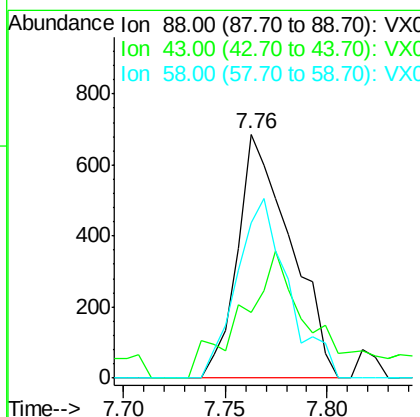
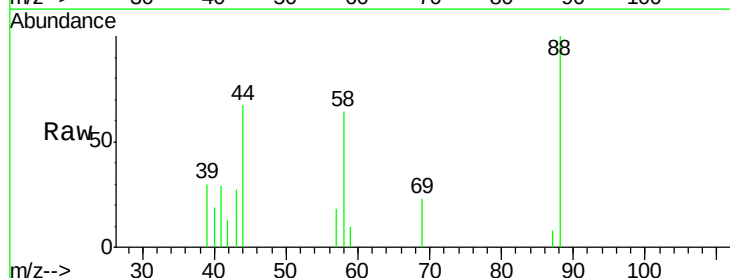
Manual Integrations
APPROVED

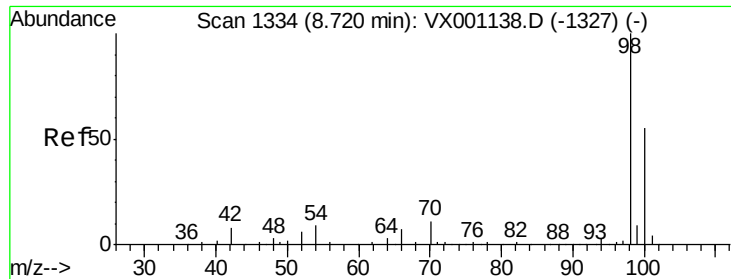
MMDadoda
4/30/2018 6:03:23 PM



#49
1,4-Dioxane
Concen: 26.94 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. -0.01 min
Lab File: VX001135.D
Acq: 26 Apr 2018 17:03

Tgt Ion	Ratio	Lower	Upper
88	100		
43	71.8	27.3	40.9#
58	71.7	54.2	81.4





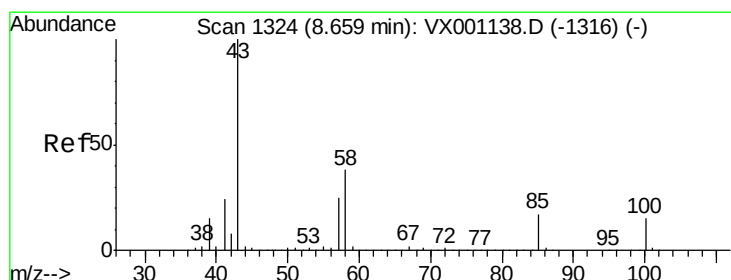
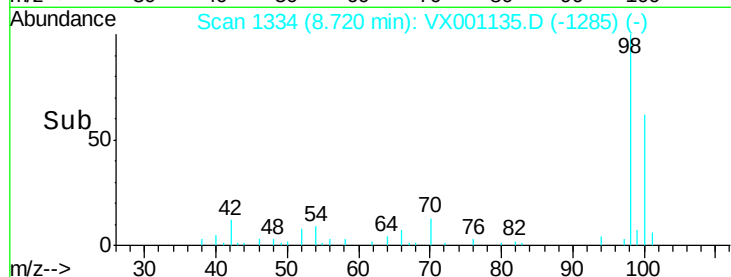
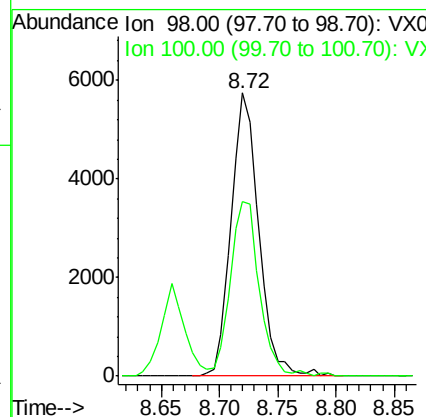
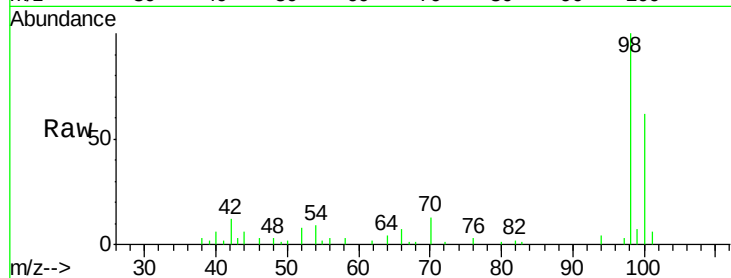
#50
Toluene-d8
Concen: 1.17 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001135.D
Acq: 26 Apr 2018 17:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion: 98 Resp: 9496
Ion Ratio Lower Upper
98 100
100 64.5 51.8 77.6

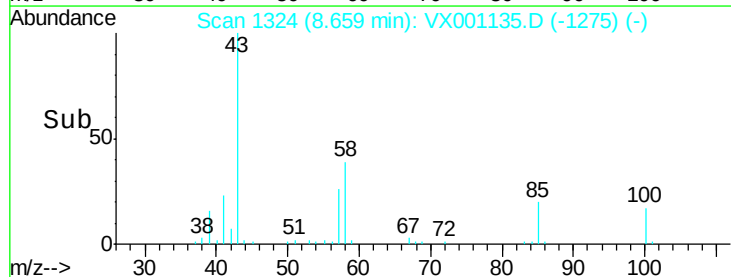
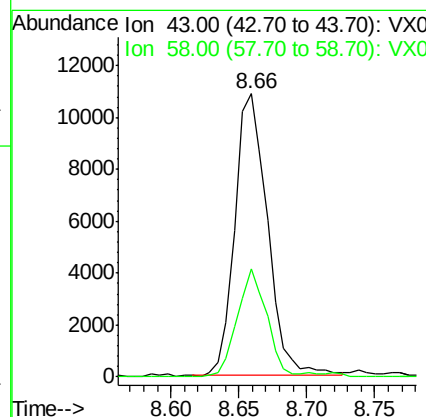
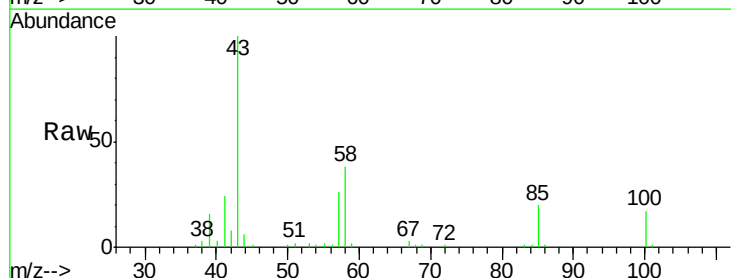
Manual Integrations
APPROVED

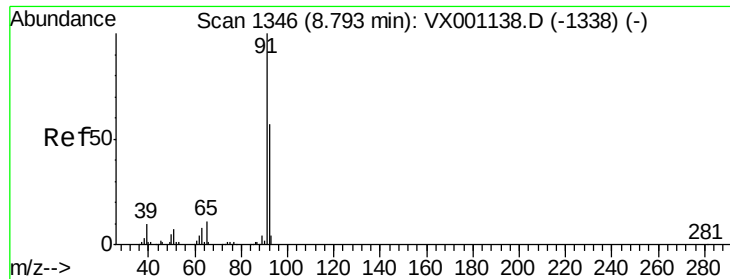
MMDadoda
4/30/2018 6:03:23 PM



#51
4-Methyl-2-Pentanone
Concen: 5.45 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. -0.00 min
Lab File: VX001135.D
Acq: 26 Apr 2018 17:03

Tgt Ion: 43 Resp: 18129
Ion Ratio Lower Upper
43 100
58 34.8 30.2 45.2





#52

Toluene

Concen: 0.98 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX001135.D

Acq: 26 Apr 2018 17:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 92 Resp: 5943

Ion Ratio Lower Upper

92 100

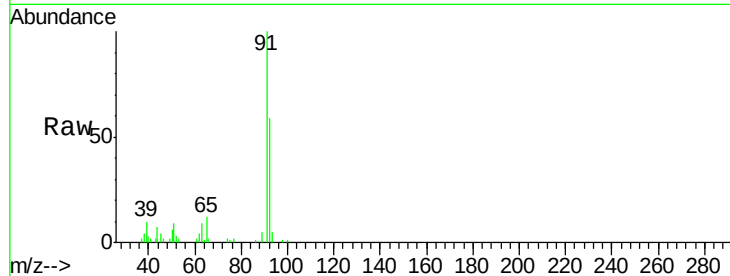
91 172.2 139.8 209.6

Manual Integrations

APPROVED

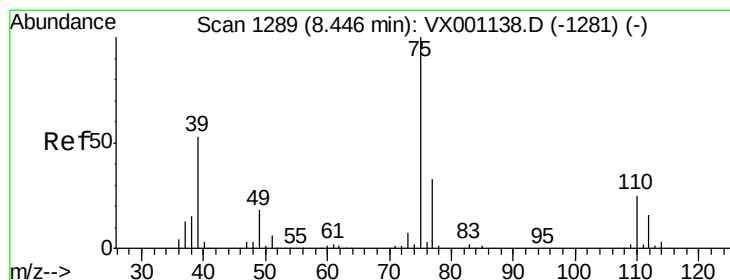
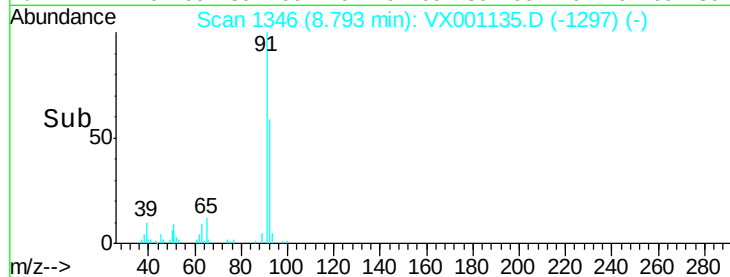
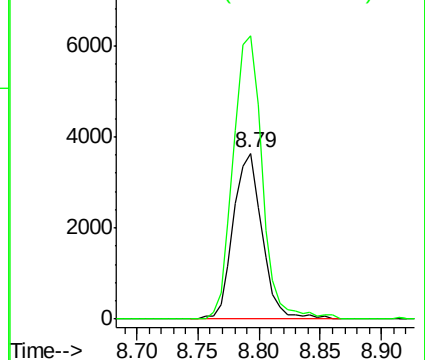
MMDadoda

4/30/2018 6:03:23 PM



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: 0.78 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VX001135.D

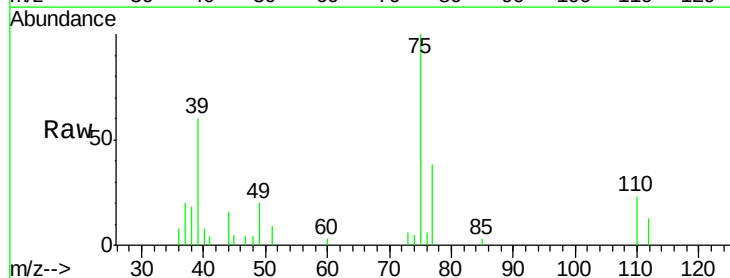
Acq: 26 Apr 2018 17:03

Tgt Ion: 75 Resp: 2798

Ion Ratio Lower Upper

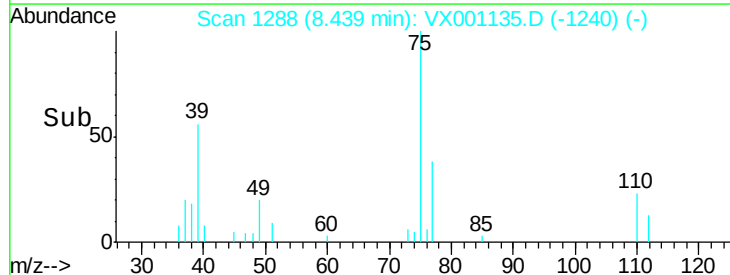
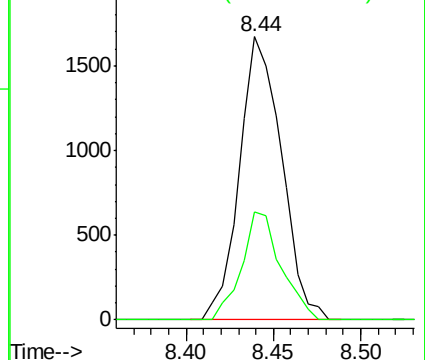
75 100

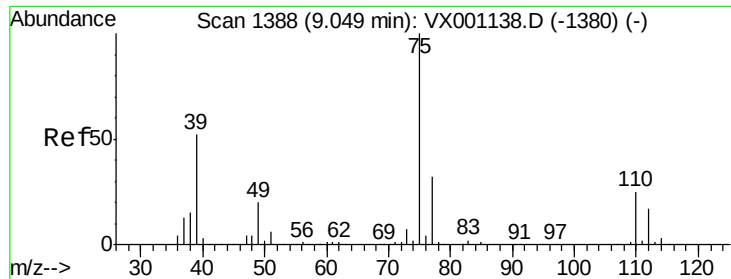
77 38.2 26.2 39.4



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0





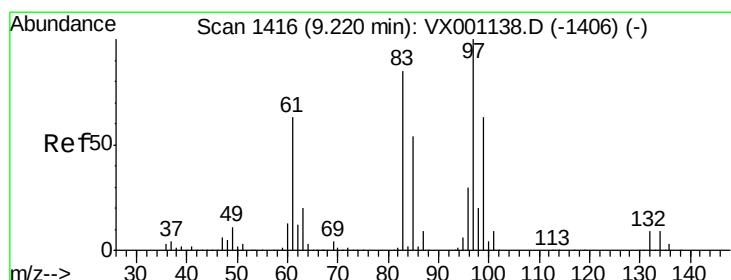
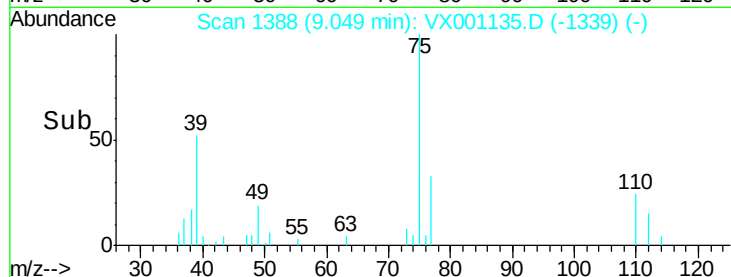
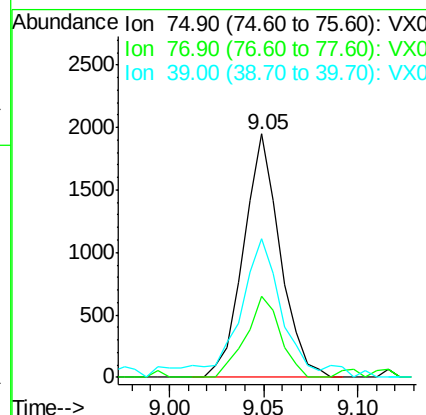
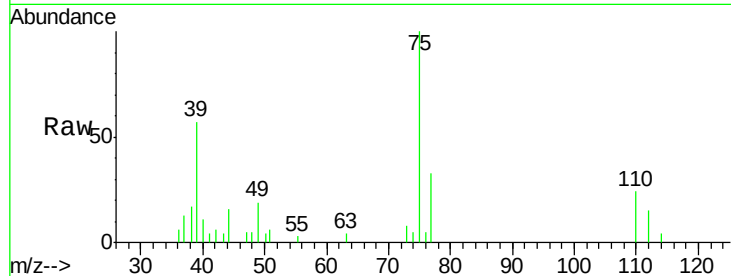
#54
 cis-1,3-Dichloropropene
 Concen: 0.77 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. -0.00 min
 Lab File: VX001135.D
 Acq: 26 Apr 2018 17:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.1	25.4	38.2
39	52.3	42.0	63.0

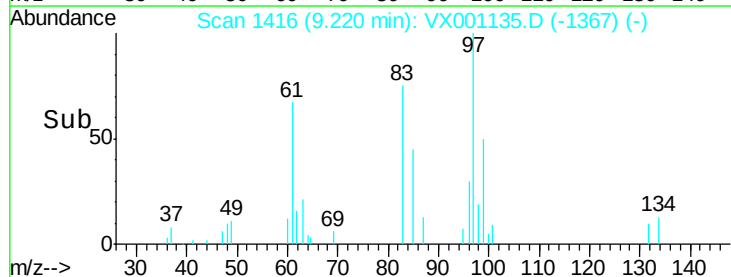
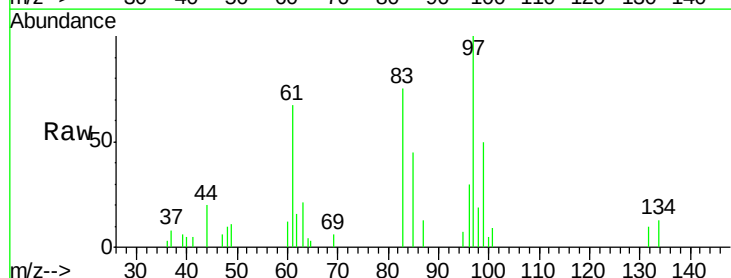
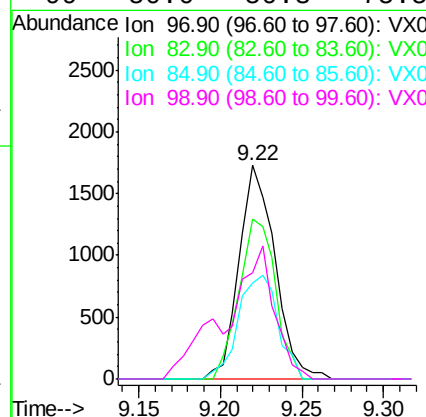
Manual Integrations
 APPROVED

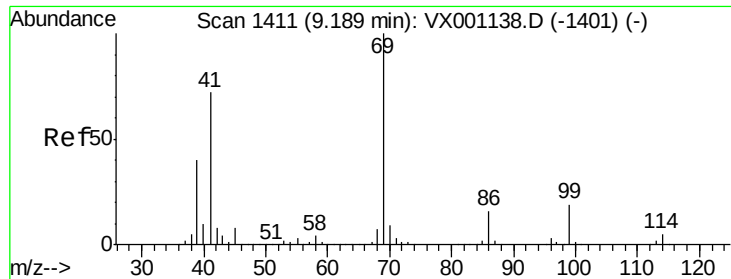
MMDadoda
 4/30/2018 6:03:23 PM



#55
 1,1,2-Trichloroethane
 Concen: 1.10 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX001135.D
 Acq: 26 Apr 2018 17:03

Tgt Ion	Ratio	Lower	Upper
97	100		
83	75.0	68.0	102.0
85	45.1	42.9	64.3
99	50.0	50.3	75.5#





#56

Ethyl methacrylate

Concen: 0.88 ug/l

RT: 9.19 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VX001135.D

Acq: 26 Apr 2018 17:03

Instrument :

MSVOA_X

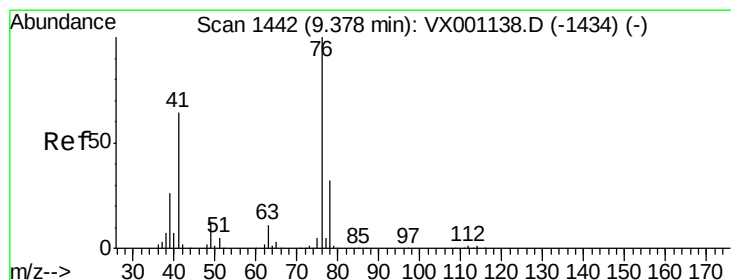
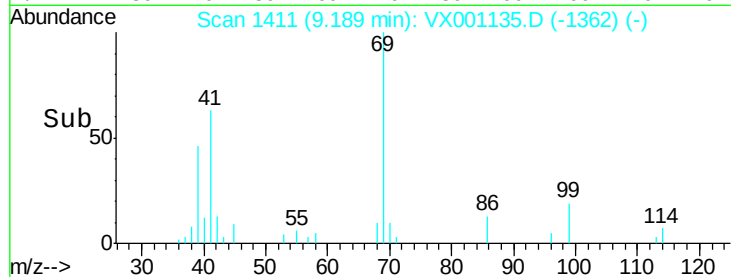
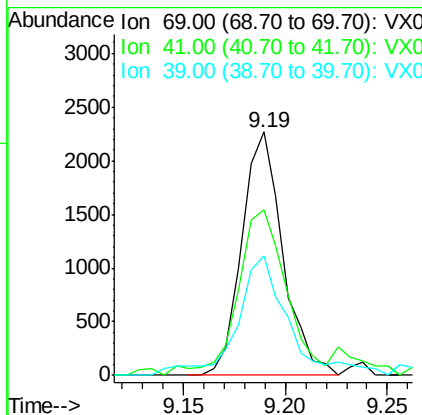
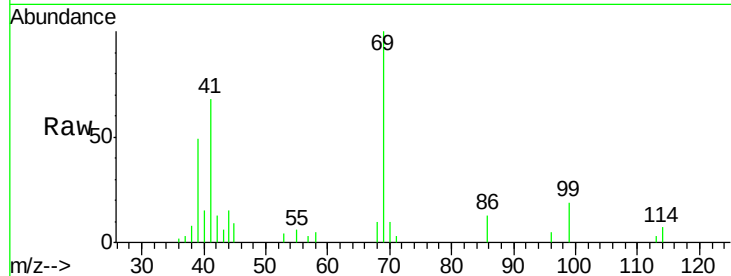
ClientSampleId :

VSTDIC001

Tot Ion:	69	Resp:	3158
Ion	Ratio	Lower	Upper
69	100		
41	80.7	57.7	86.5
39	61.6	33.3	49.9#

Manual Integrations
APPROVED

MMDadoda
4/30/2018 6:03:23 PM



#57

1,3-Dichloropropane

Concen: 1.03 ug/l

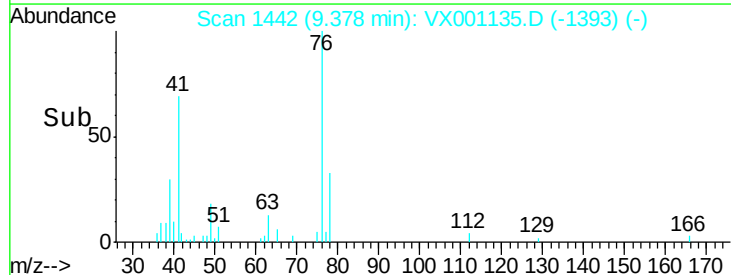
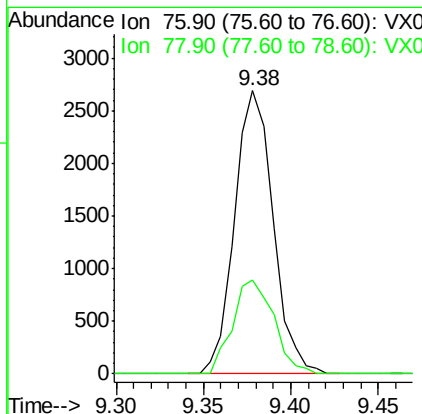
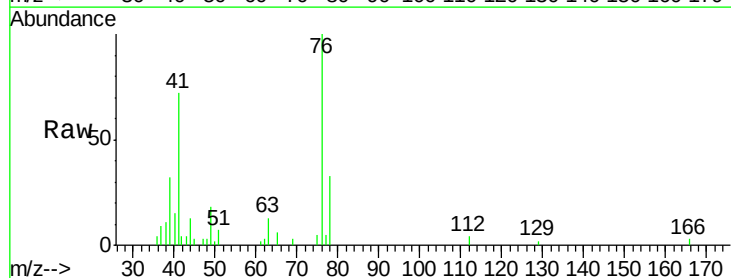
RT: 9.38 min Scan# 1442

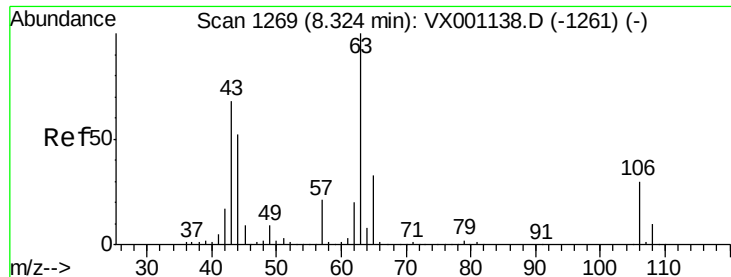
Delta R.T. -0.00 min

Lab File: VX001135.D

Acq: 26 Apr 2018 17:03

Tgt Ion:	76	Resp:	4122
Ion	Ratio	Lower	Upper
76	100		
78	35.4	26.1	39.1





#58

2-Chloroethyl Vinyl ether

Concen: 4.75 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VX001135.D

Acq: 26 Apr 2018 17:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 63 Resp: 8229

Ion Ratio Lower Upper

63 100

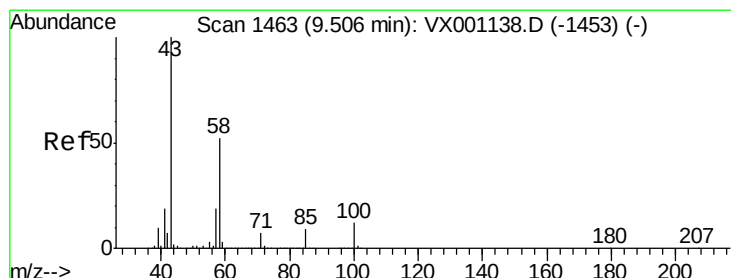
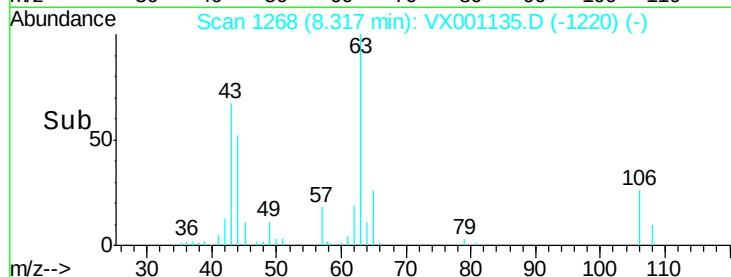
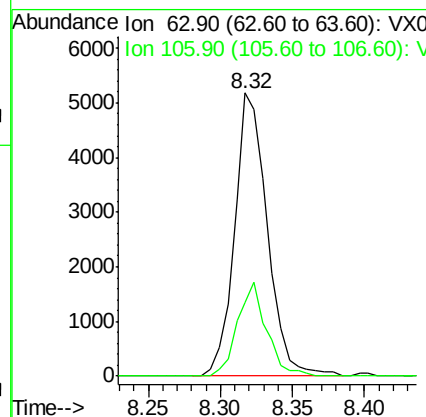
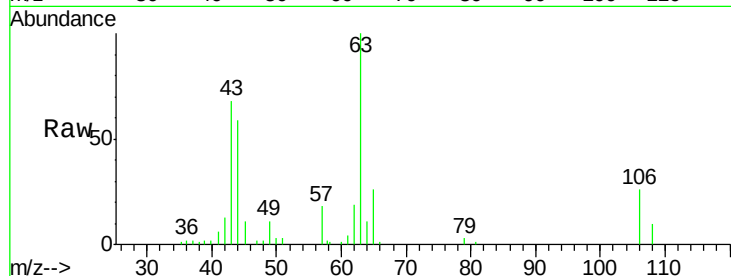
106 29.4 23.7 35.5

Manual Integrations

APPROVED

MMDadoda

4/30/2018 6:03:23 PM



#59

2-Hexanone

Concen: 5.60 ug/l

RT: 9.51 min Scan# 1463

Delta R.T. -0.00 min

Lab File: VX001135.D

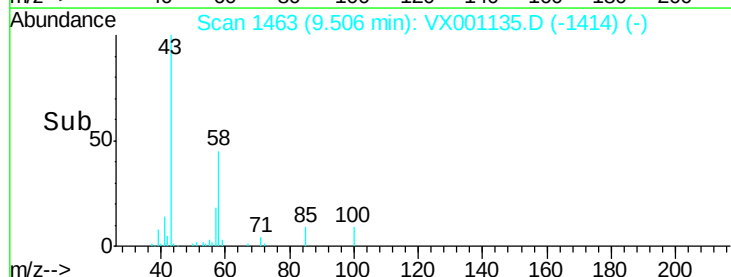
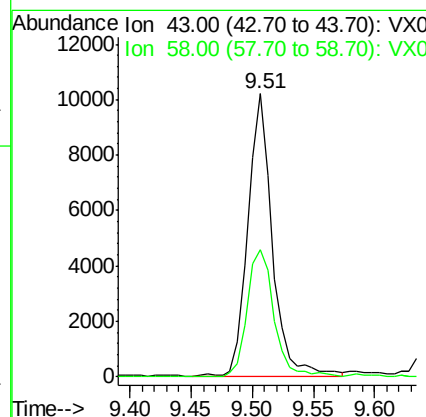
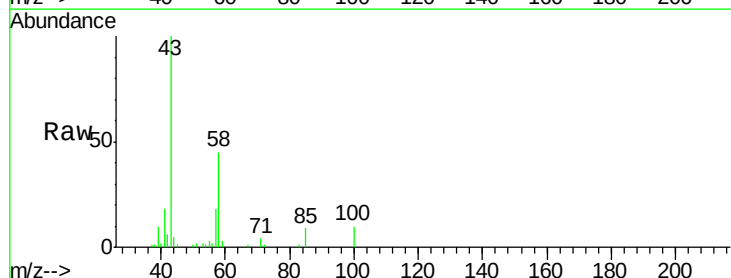
Acq: 26 Apr 2018 17:03

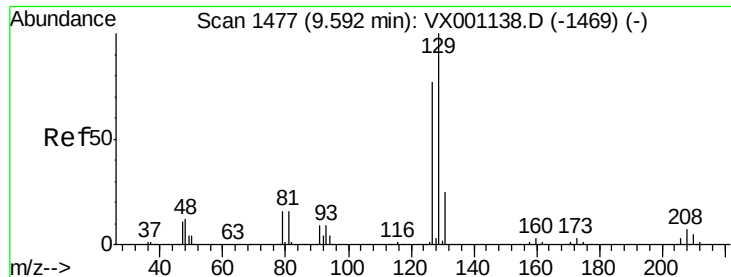
Tgt Ion: 43 Resp: 14317

Ion Ratio Lower Upper

43 100

58 48.9 25.8 77.4





#60

Dibromochloromethane

Concen: 0.80 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. -0.01 min

Lab File: VX001135.D

Acq: 26 Apr 2018 17:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:129 Resp: 2035

Ion Ratio Lower Upper

129 100

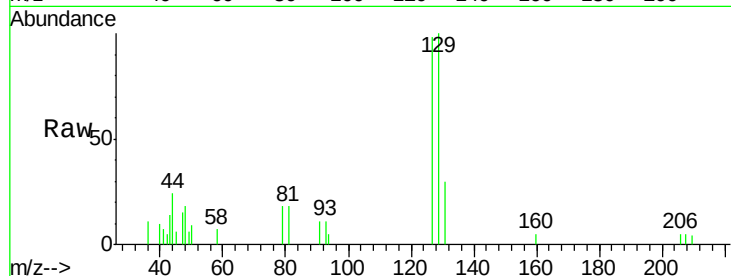
127 89.1 38.4 115.2

Manual Integrations

APPROVED

MMDadoda

4/30/2018 6:03:23 PM



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.59

1500

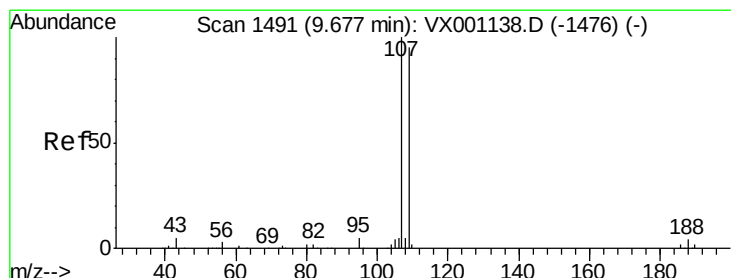
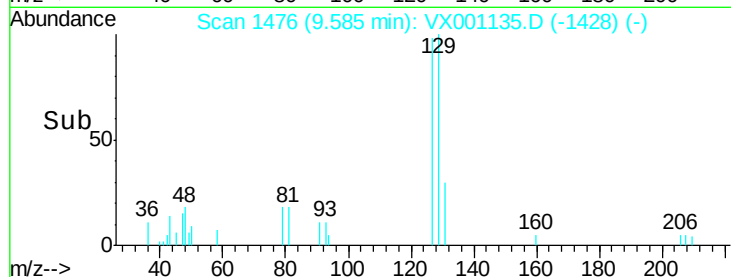
1000

500

0

9.55 9.60

Time-->



#61

1,2-Dibromoethane

Concen: 0.94 ug/l

RT: 9.68 min Scan# 1492

Delta R.T. 0.01 min

Lab File: VX001135.D

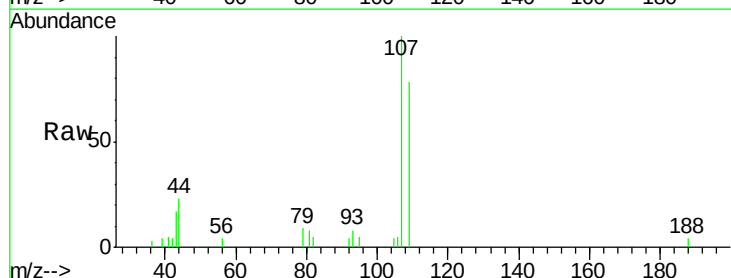
Acq: 26 Apr 2018 17:03

Tgt Ion:107 Resp: 2420

Ion Ratio Lower Upper

107 100

109 96.1 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

1500

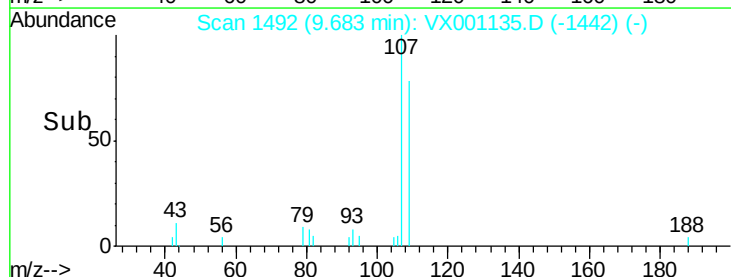
1000

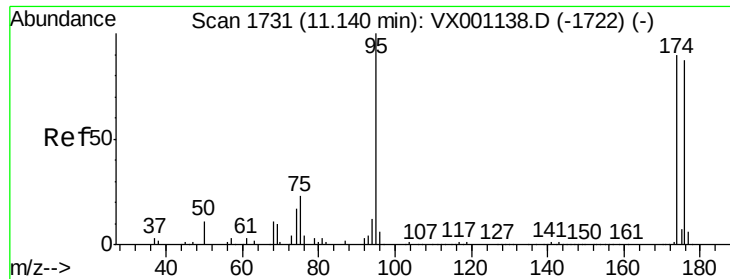
500

0

9.65 9.70

Time-->





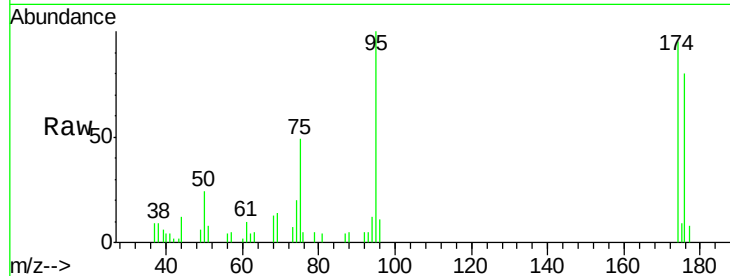
#62
4-Bromofluorobenzene
Concen: 1.03 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX001135.D
Acq: 26 Apr 2018 17:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
95	100		
174	97.4	0.0	194.4
176	93.1	0.0	190.2

Manual Integrations
APPROVED

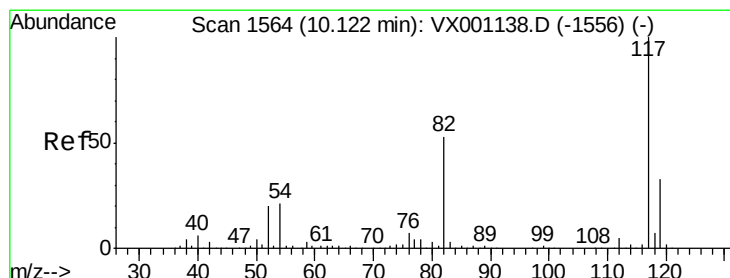
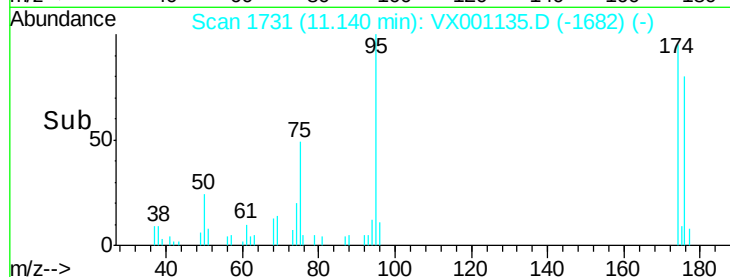
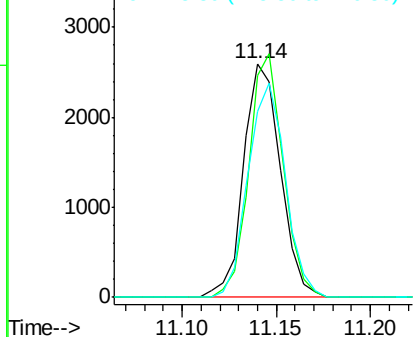
MMDadoda
4/30/2018 6:03:23 PM



Abundance Ion 94.90 (94.60 to 95.60): VX001135.D (-1722) (-)

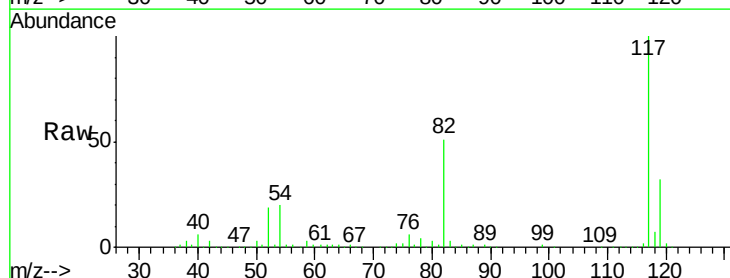
Ion 173.80 (173.50 to 174.50): VX001135.D (-1722) (-)

Ion 175.80 (175.50 to 176.50): VX001135.D (-1722) (-)



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX001135.D
Acq: 26 Apr 2018 17:03

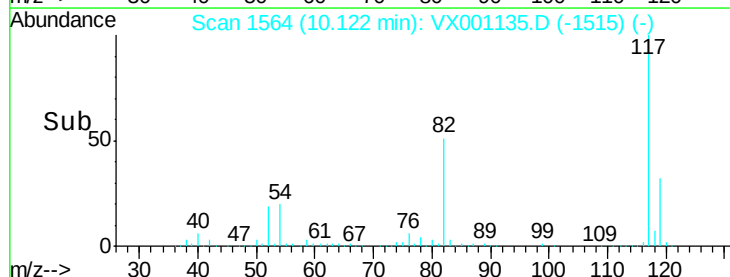
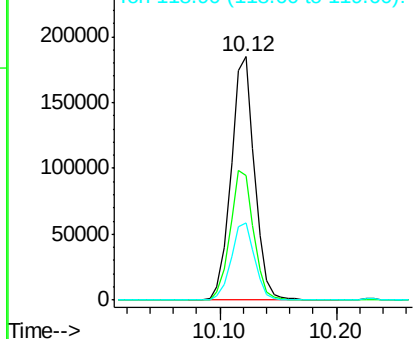
Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.2	42.1	63.1
119	32.0	26.1	39.1

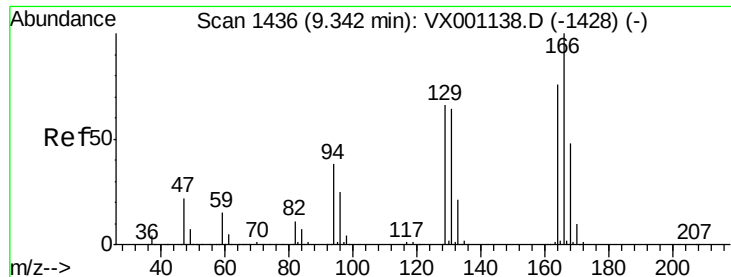


Abundance Ion 116.90 (116.60 to 117.60): VX001135.D (-1556) (-)

Ion 82.00 (81.70 to 82.70): VX001135.D (-1556) (-)

Ion 118.90 (118.60 to 119.60): VX001135.D (-1556) (-)





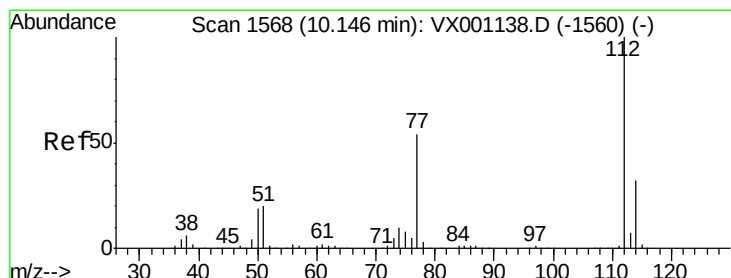
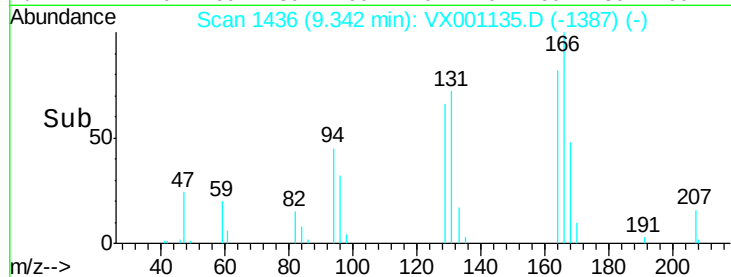
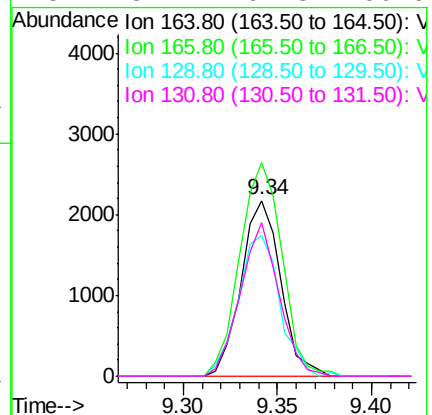
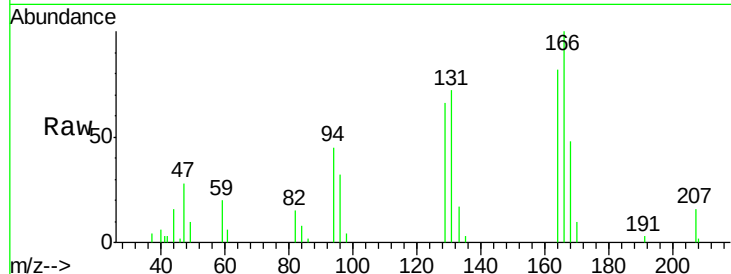
#64
 Tetrachloroethene
 Concen: 1.16 ug/l
 RT: 9.34 min Scan# 1436
 Delta R.T. -0.00 min
 Lab File: VX001135.D
 Acq: 26 Apr 2018 17:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion:	164	Resp:	3161
Ion	Ratio	Lower	Upper
164	100		
166	121.5	105.0	157.6
129	79.9	69.4	104.2
131	87.4	67.3	100.9

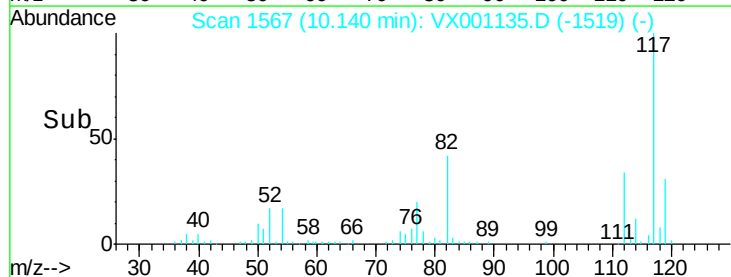
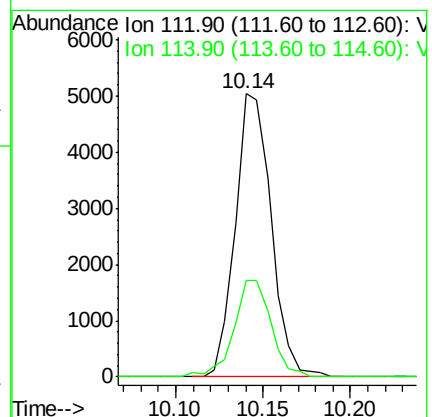
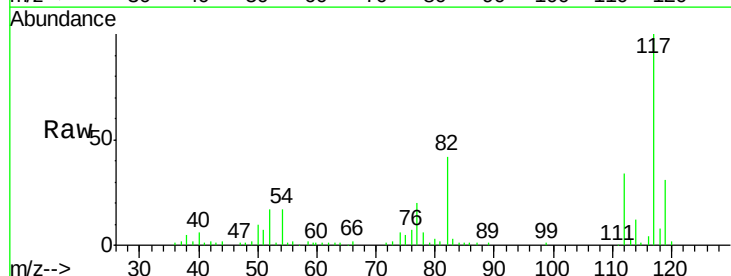
Manual Integrations
 APPROVED

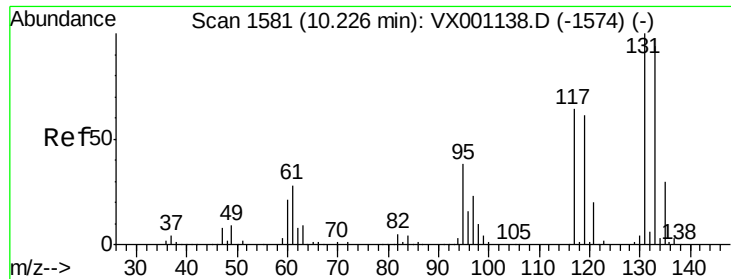
MMDadoda
 4/30/2018 6:03:23 PM



#65
 Chlorobenzene
 Concen: 1.05 ug/l
 RT: 10.14 min Scan# 1567
 Delta R.T. -0.01 min
 Lab File: VX001135.D
 Acq: 26 Apr 2018 17:03

Tgt Ion:	112	Resp:	7183
Ion	Ratio	Lower	Upper
112	100		
114	34.3	25.7	38.5





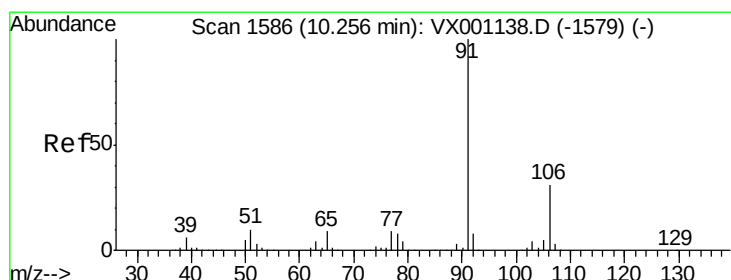
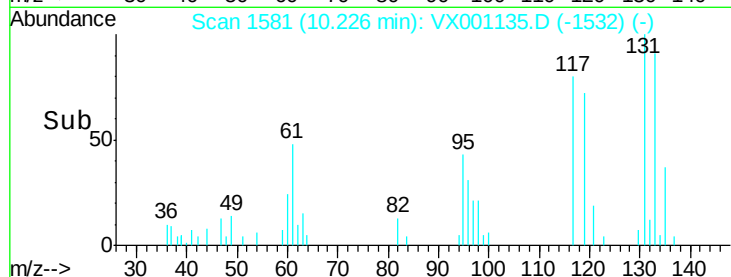
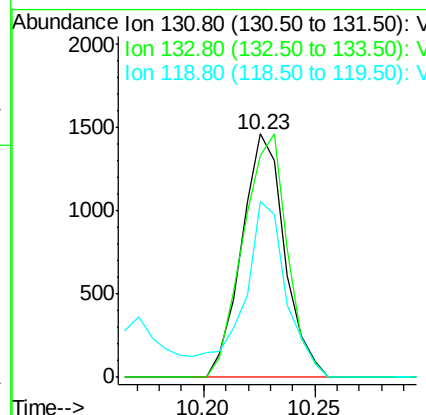
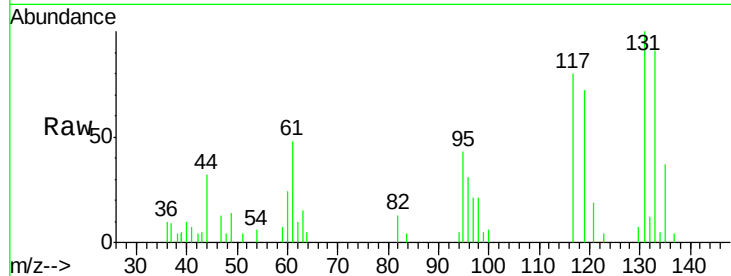
#66
 1,1,1,2-Tetrachloroethane
 Concen: 0.83 ug/l
 RT: 10.23 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VX001135.D
 Acq: 26 Apr 2018 17:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
131	100		
133	102.3	47.8	143.4
119	0.0	31.3	93.8#

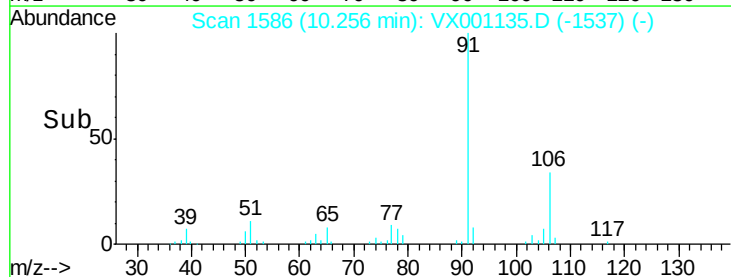
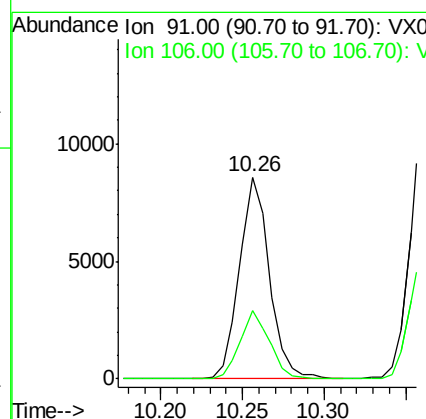
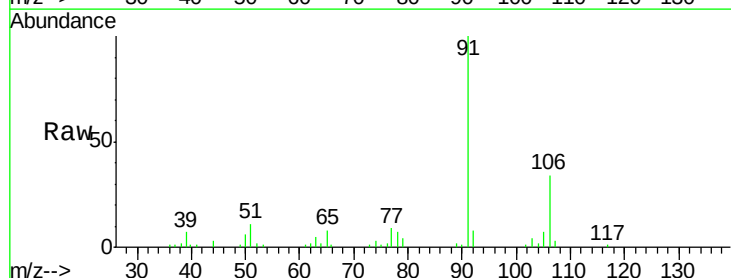
Manual Integrations
 APPROVED

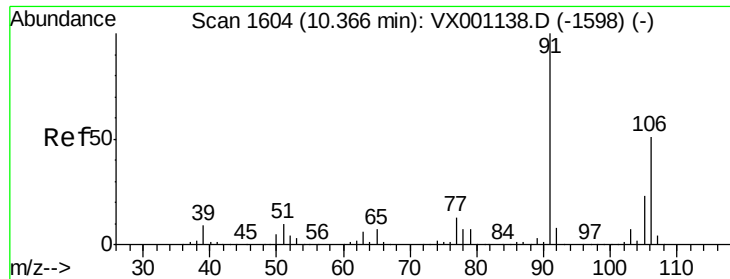
MMDadoda
 4/30/2018 6:03:23 PM



#67
 Ethyl Benzene
 Concen: 0.97 ug/l
 RT: 10.26 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VX001135.D
 Acq: 26 Apr 2018 17:03

Tgt Ion	Ratio	Lower	Upper
91	100		
106	33.7	24.8	37.2





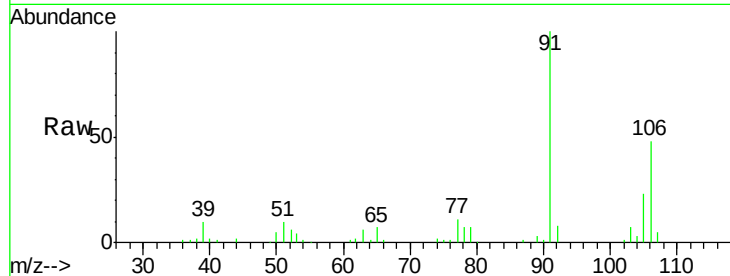
#68
m/p-Xylenes
Concen: 1.93 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX001135.D
Acq: 26 Apr 2018 17:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

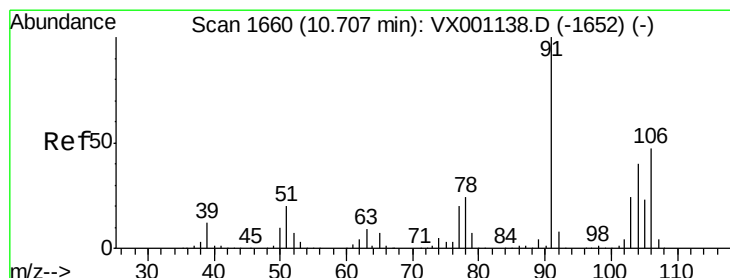
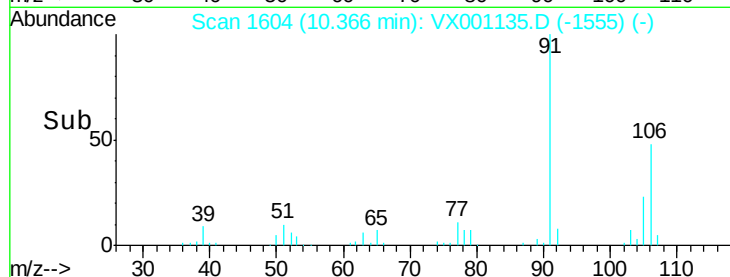
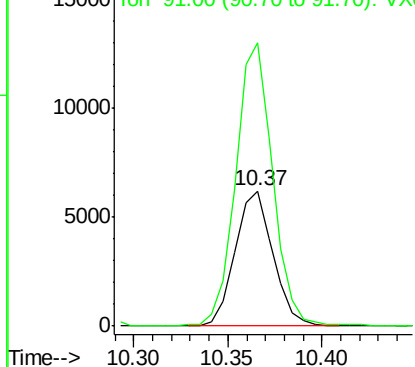
Tot Ion:106 Resp: 8604
Ion Ratio Lower Upper
106 100
91 205.6 160.9 241.3

Manual Integrations
APPROVED

MMDadoda
4/30/2018 6:03:23 PM

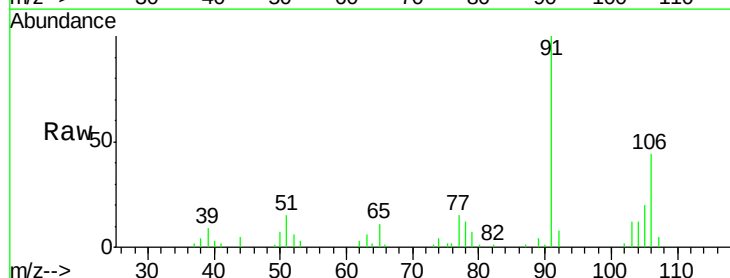


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

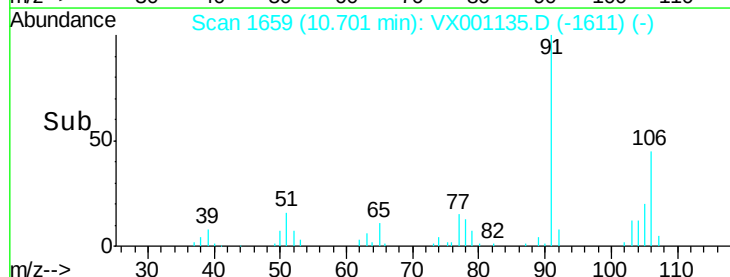
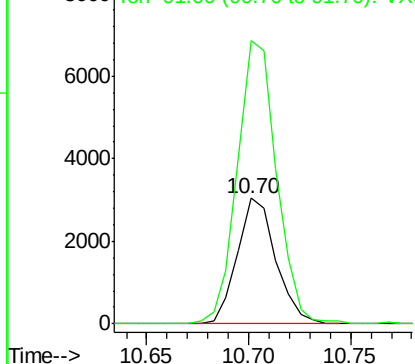


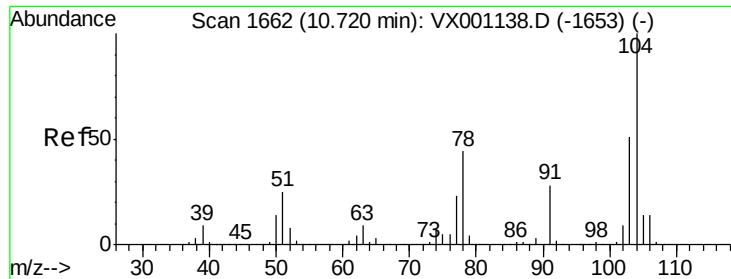
#69
o-Xylene
Concen: 0.92 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.01 min
Lab File: VX001135.D
Acq: 26 Apr 2018 17:03

Tgt Ion:106 Resp: 3983
Ion Ratio Lower Upper
106 100
91 230.8 106.2 318.5



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0





#70

Stvrene

Concen: 0.91 ug/l

RT: 10.72 min Scan# 1662

Delta R.T. -0.00 min

Lab File: VX001135.D

Acq: 26 Apr 2018 17:03

Instrument :

MSVOA_X

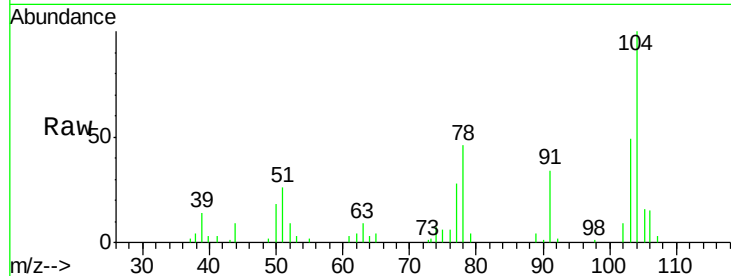
ClientSampleId :

VSTDIC001

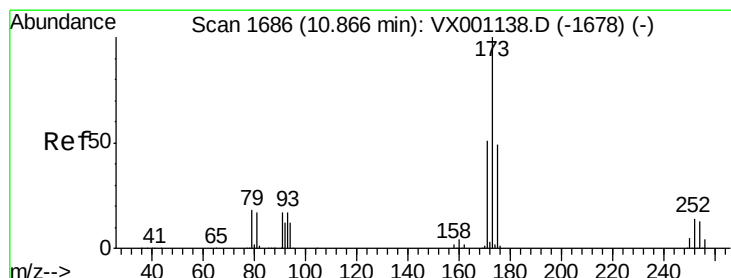
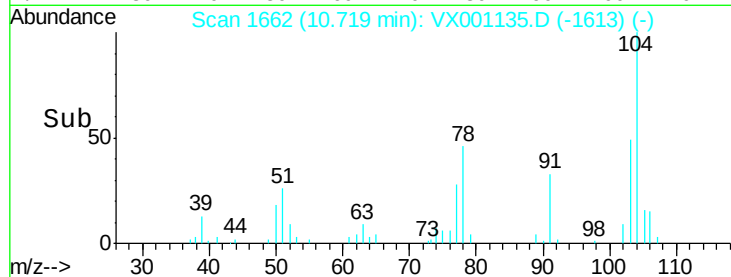
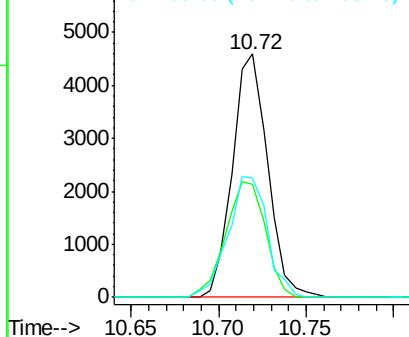
Tot Ion:104	Resp:	6441
Ion Ratio	Lower	Upper
104 100		
78 53.4	40.3	60.5
103 55.3	44.3	66.5

Manual Integrations
APPROVED

MMDadoda
4/30/2018 6:03:23 PM



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 0.78 ug/l

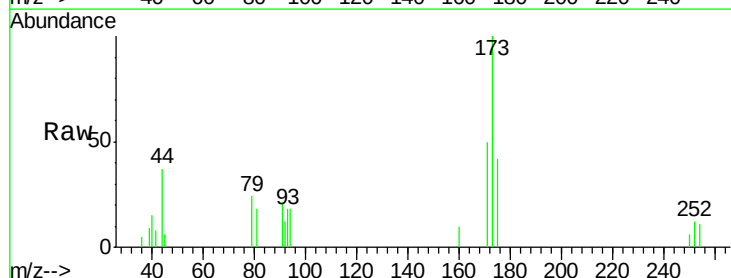
RT: 10.87 min Scan# 1686

Delta R.T. -0.00 min

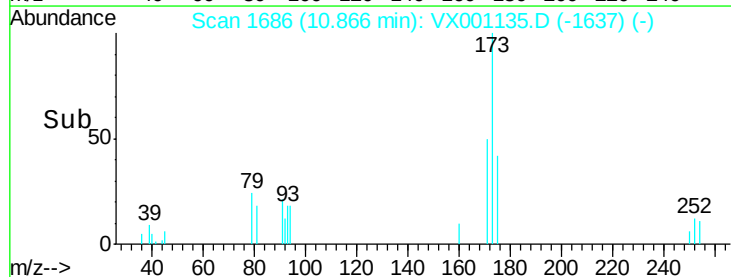
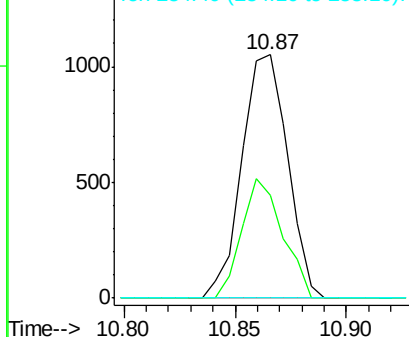
Lab File: VX001135.D

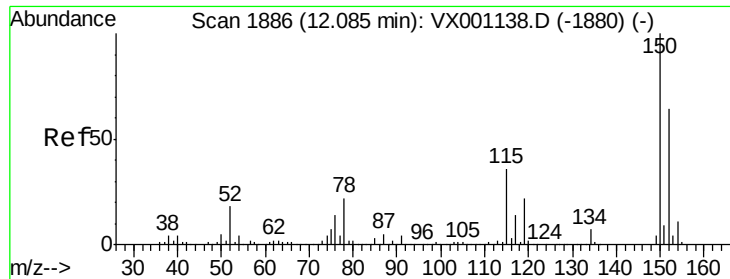
Acq: 26 Apr 2018 17:03

Tgt Ion:173	Resp:	1511
Ion Ratio	Lower	Upper
173 100		
175 43.7	24.6	73.8
254 0.0	0.2	0.2#



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: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001135.D

Acq: 26 Apr 2018 17:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:152 Resp: 159629

Ion Ratio Lower Upper

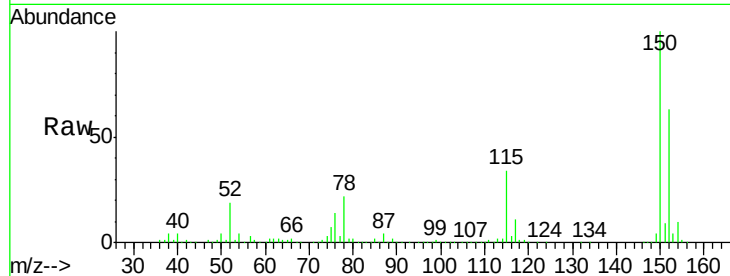
152 100

115 54.2 38.0 114.0

150 157.1 0.0 349.6

Manual Integrations
APPROVED

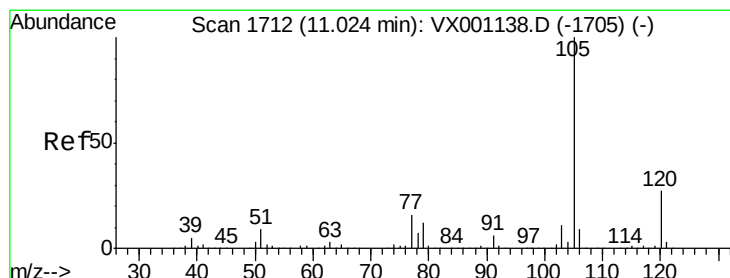
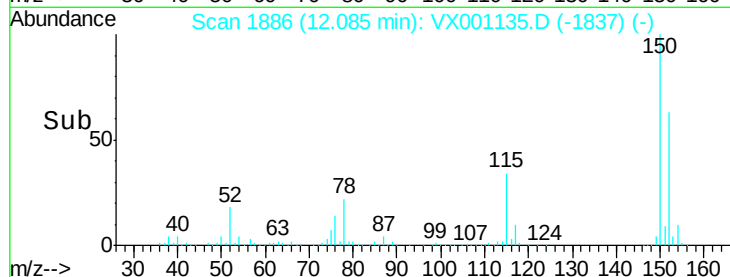
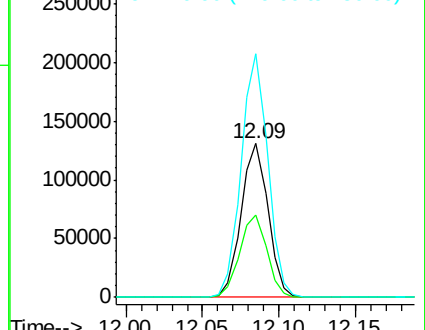
MMDadoda
4/30/2018 6:03:23 PM



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 1.08 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX001135.D

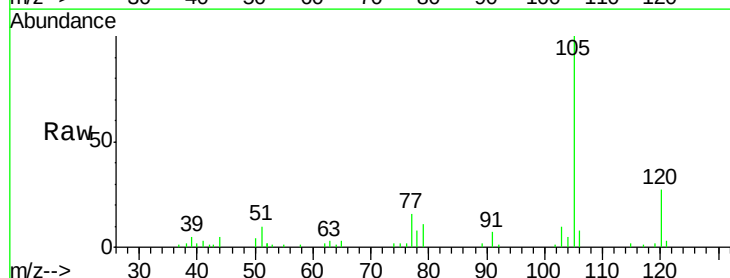
Acq: 26 Apr 2018 17:03

Tgt Ion:105 Resp: 11163

Ion Ratio Lower Upper

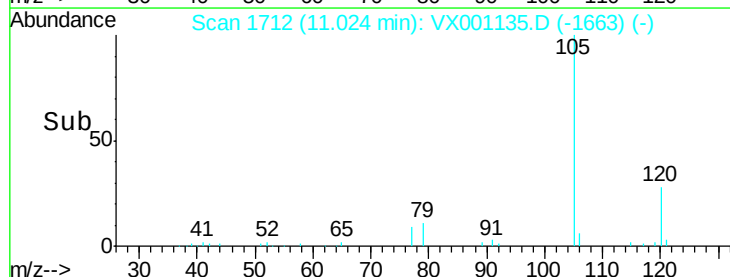
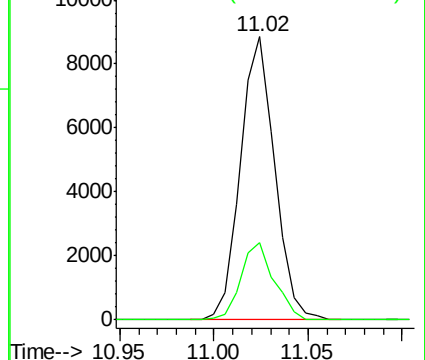
105 100

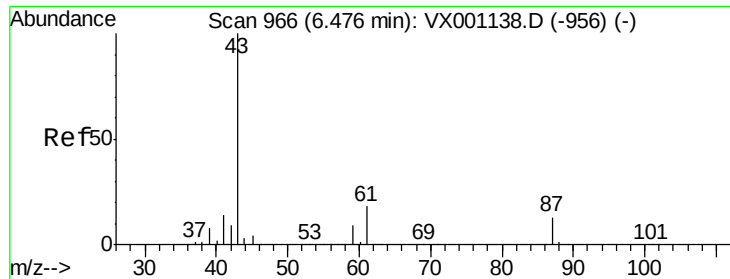
120 26.5 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 1.31 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX001135.D

Acq: 26 Apr 2018 17:03

Instrument :

MSVOA_X

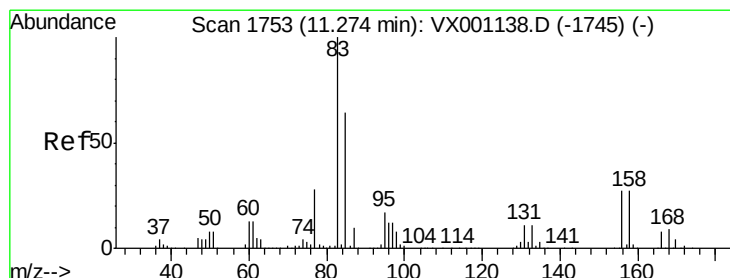
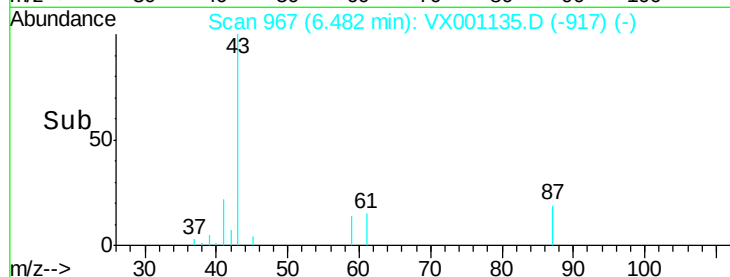
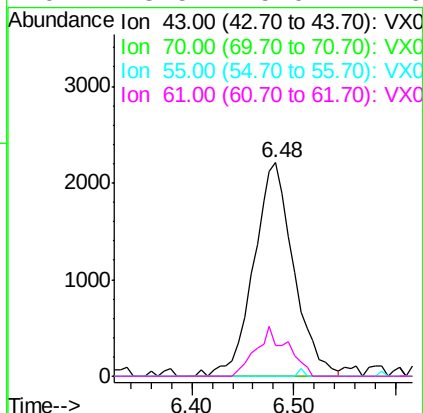
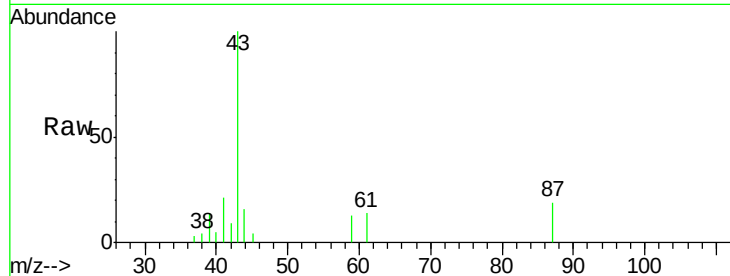
ClientSampleId :

VSTDIC001

Tot Ion:	43	Resp:	6014
Ion	Ratio	Lower	Upper
43	100		
70	0.0	0.0	0.0
55	0.0	0.0	0.0
61	18.5	15.0	22.6

Manual Integrations
APPROVED

MMDadoda
4/30/2018 6:03:23 PM



#75

1,1,2,2-Tetrachloroethane

Concen: 1.19 ug/l

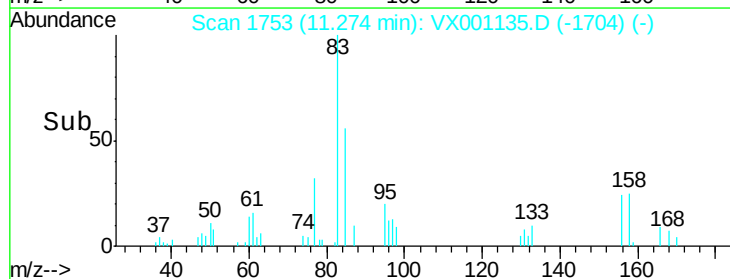
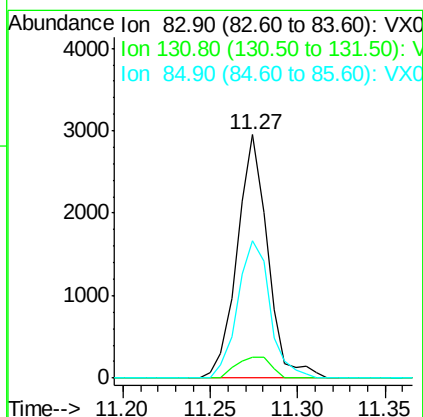
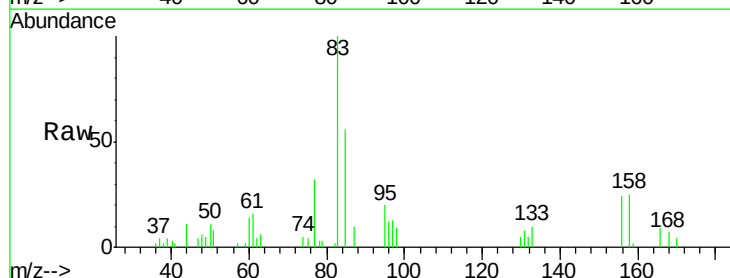
RT: 11.27 min Scan# 1753

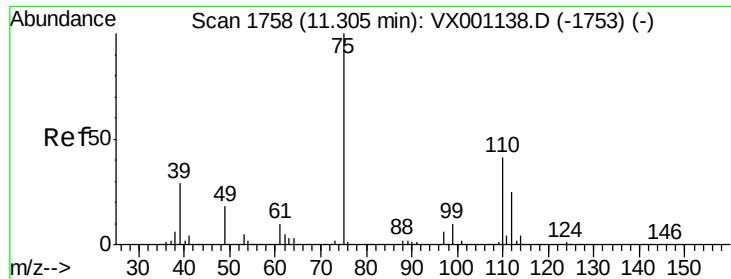
Delta R.T. -0.00 min

Lab File: VX001135.D

Acq: 26 Apr 2018 17:03

Tgt Ion:	83	Resp:	3584
Ion	Ratio	Lower	Upper
83	100		
131	9.7	5.8	17.4
85	59.8	32.1	96.3





#76

1,2,3-Trichloropropane

Concen: 1.18 ug/l m

RT: 11.30 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VX001135.D

Acq: 26 Apr 2018 17:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 75 Resp: 3365

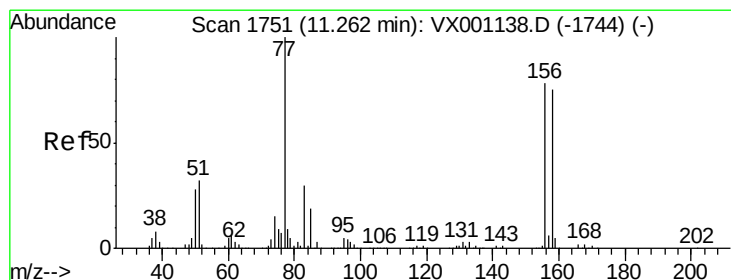
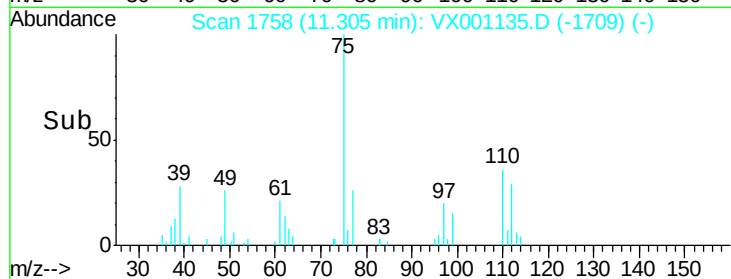
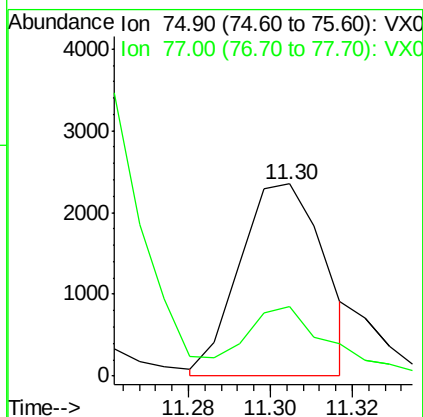
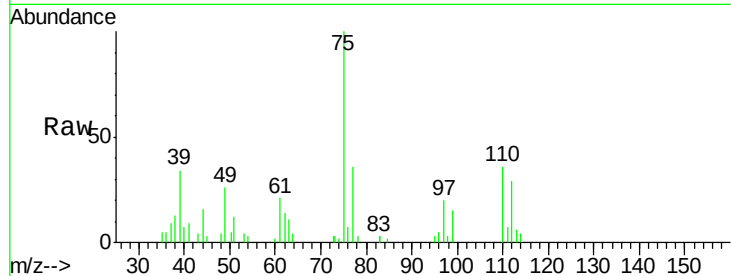
Ion Ratio Lower Upper

75 100

77 37.1 18.9 56.9

Manual Integrations
APPROVED

MMDadoda
4/30/2018 6:03:23 PM



#77

Bromobenzene

Concen: 1.10 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX001135.D

Acq: 26 Apr 2018 17:03

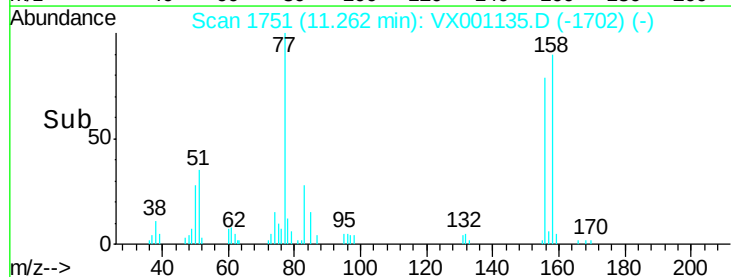
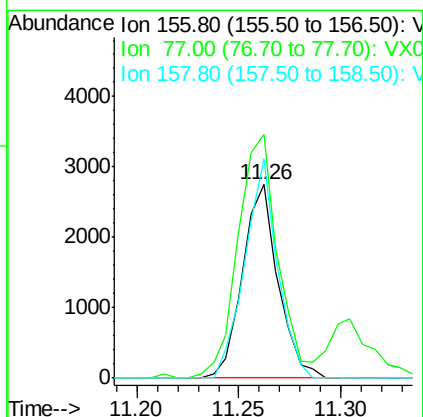
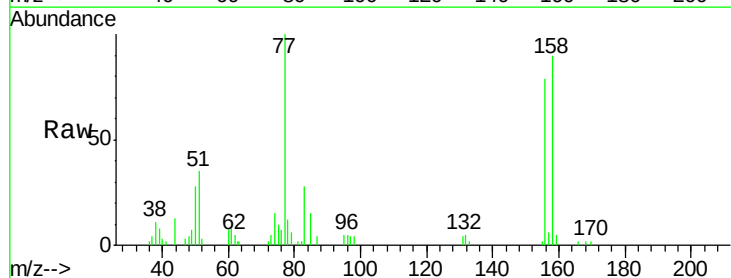
Tgt Ion: 156 Resp: 3332

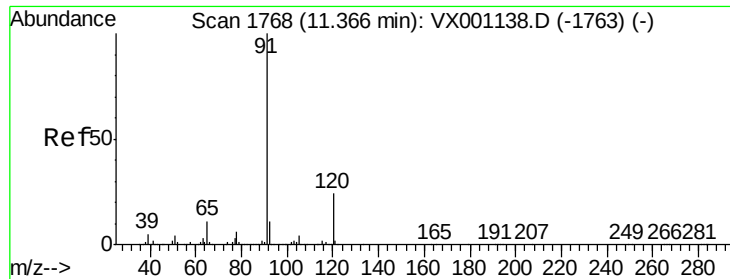
Ion Ratio Lower Upper

156 100

77 141.6 67.8 203.2

158 103.9 48.9 146.7





#78

n-propylbenzene

Concen: 1.01 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX001135.D

Acq: 26 Apr 2018 17:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 12066

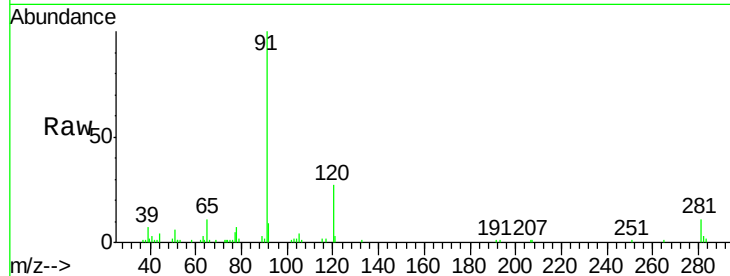
Ion Ratio Lower Upper

91 100

120 25.4 12.2 36.6

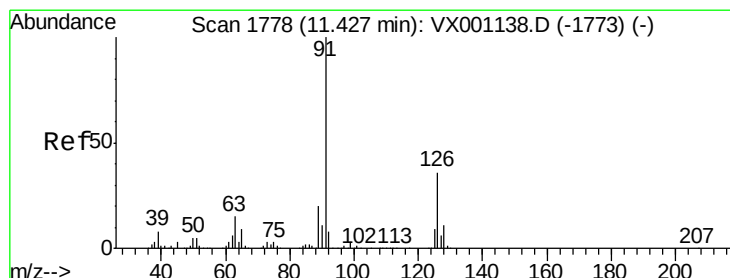
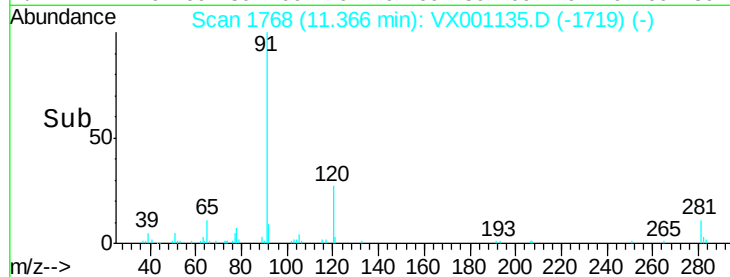
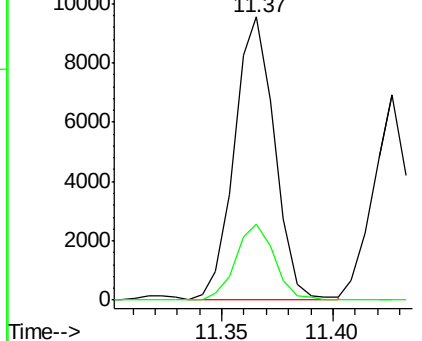
Manual Integrations
APPROVED

MMDadoda
4/30/2018 6:03:23 PM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 1.12 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX001135.D

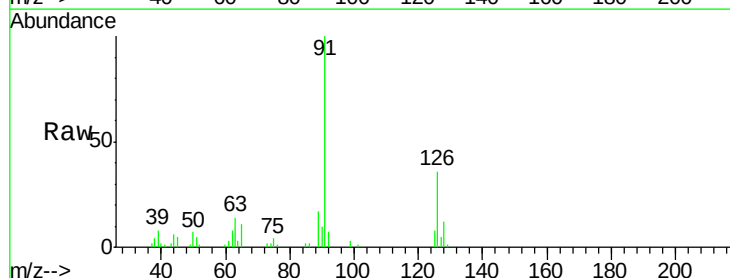
Acq: 26 Apr 2018 17:03

Tgt Ion: 91 Resp: 7946

Ion Ratio Lower Upper

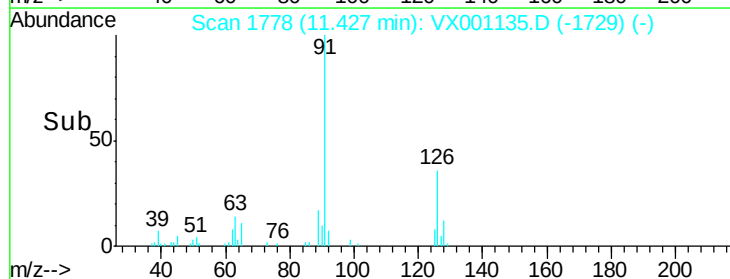
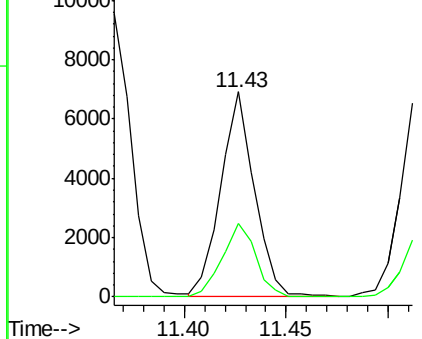
91 100

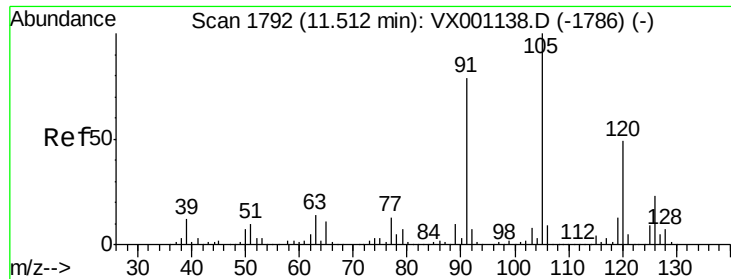
126 35.2 18.2 54.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





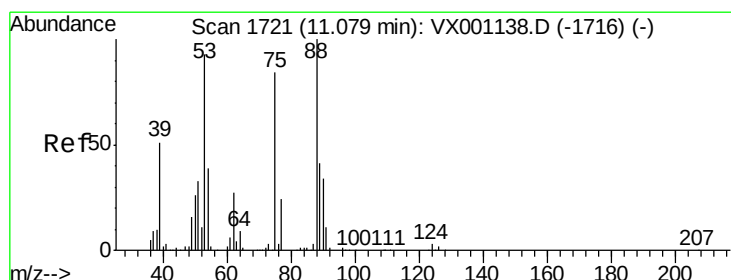
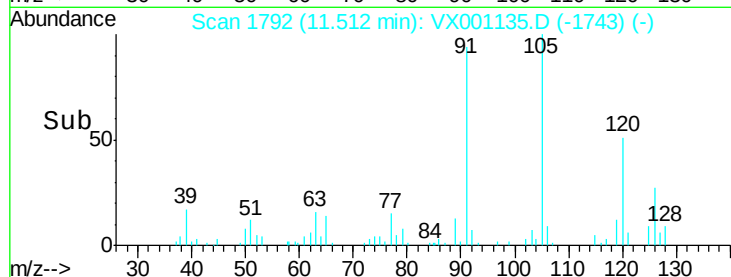
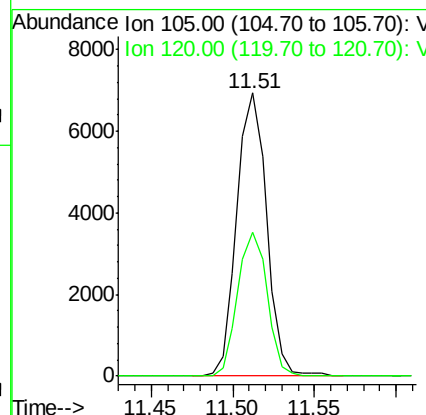
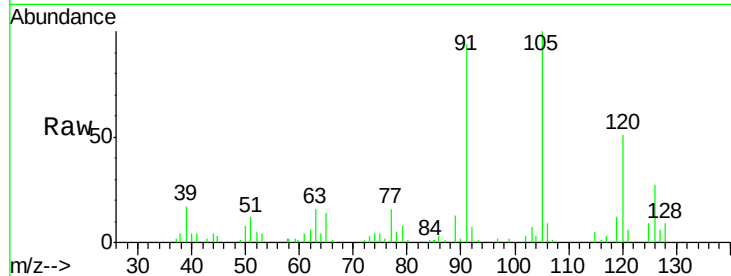
#80
 1,3,5-Trimethylbenzene
 Concen: 1.00 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX001135.D
 Acq: 26 Apr 2018 17:03

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC001

Tot Ion:105 Resp: 8849
 Ion Ratio Lower Upper
 105 100
 120 50.2 24.6 74.0

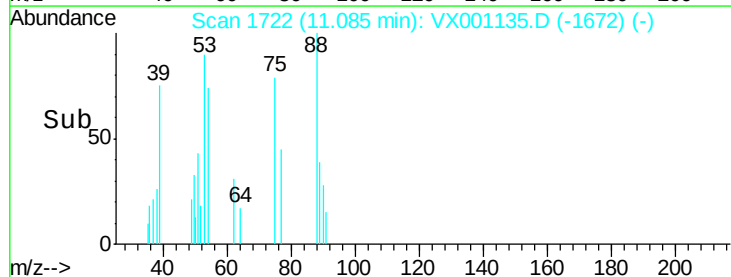
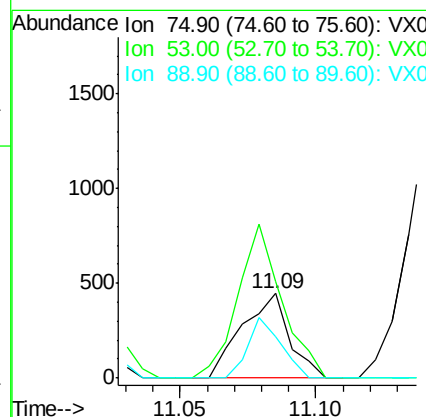
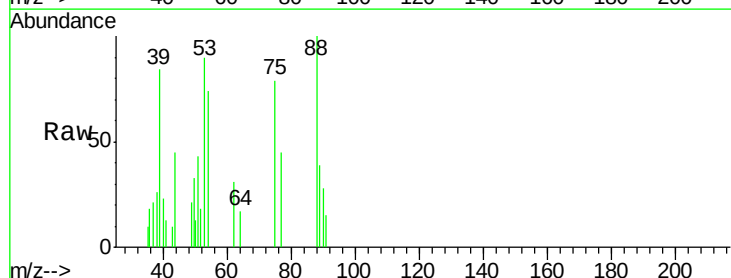
Manual Integrations
 APPROVED

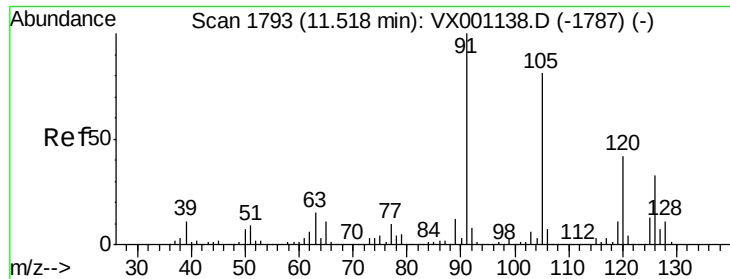
MMDadoda
 4/30/2018 6:03:23 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 0.68 ug/l
 RT: 11.09 min Scan# 1722
 Delta R.T. 0.01 min
 Lab File: VX001135.D
 Acq: 26 Apr 2018 17:03

Tgt Ion: 75 Resp: 536
 Ion Ratio Lower Upper
 75 100
 53 169.0 87.9 131.9#
 89 49.6 37.7 56.5





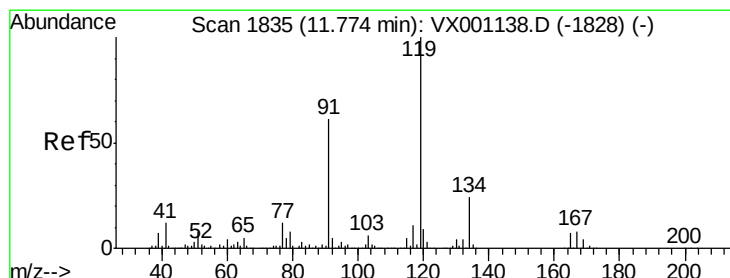
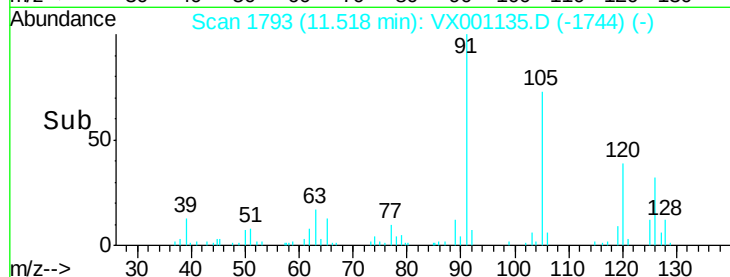
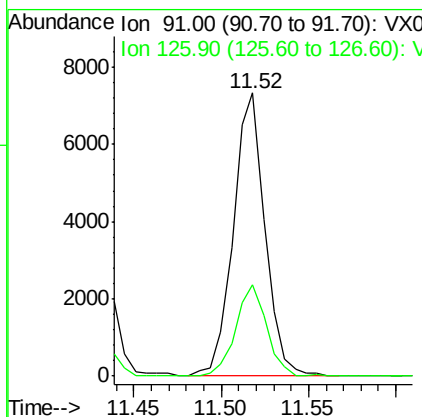
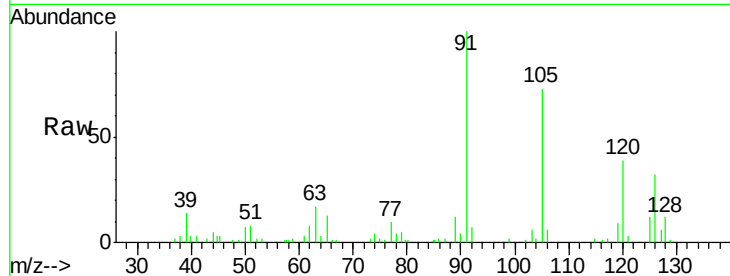
#82
4-Chlorotoluene
Concen: 1.08 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VX001135.D
Acq: 26 Apr 2018 17:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion: 91 Resp: 9206
Ion Ratio Lower Upper
91 100
126 31.4 15.8 47.4

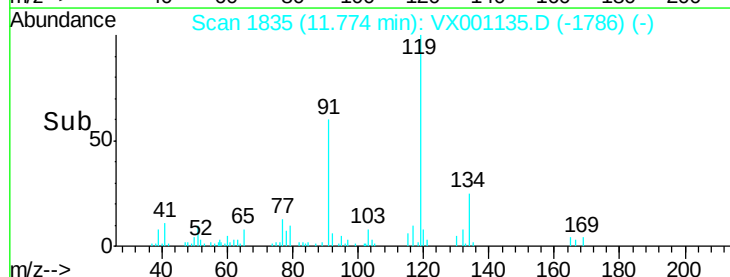
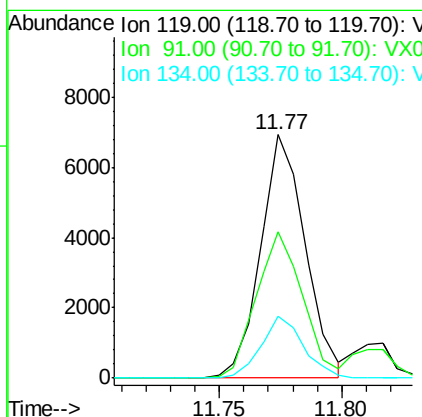
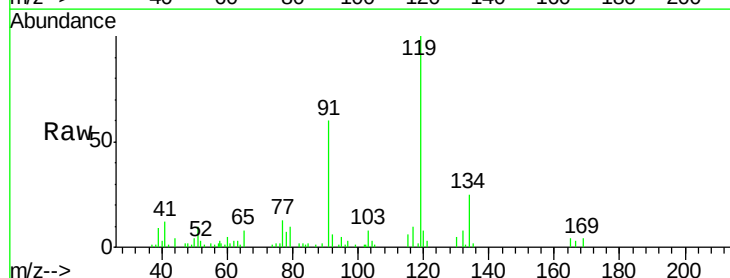
Manual Integrations
APPROVED

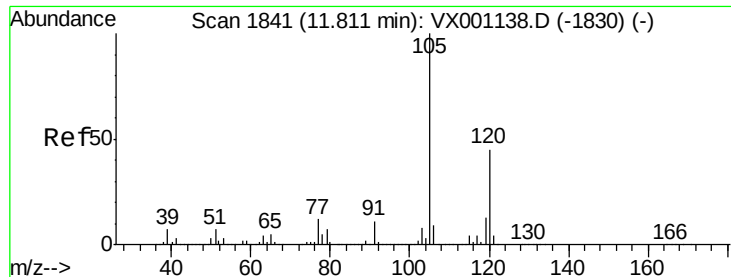
MMDadoda
4/30/2018 6:03:23 PM



#83
tert-Butylbenzene
Concen: 0.99 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX001135.D
Acq: 26 Apr 2018 17:03

Tgt Ion: 119 Resp: 8792
Ion Ratio Lower Upper
119 100
91 62.5 27.6 82.8
134 24.0 11.5 34.5





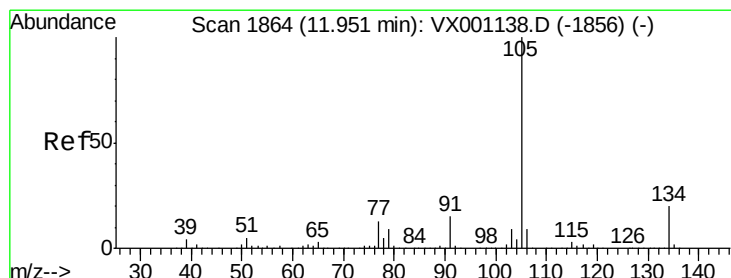
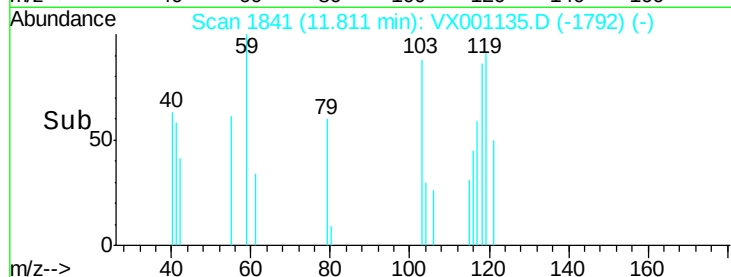
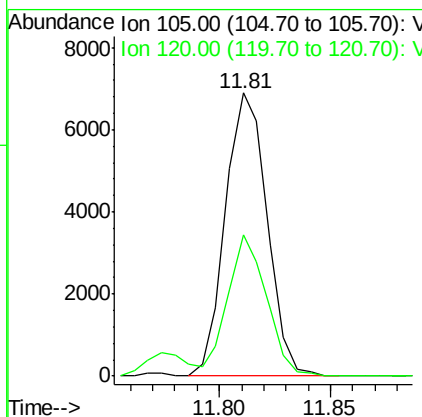
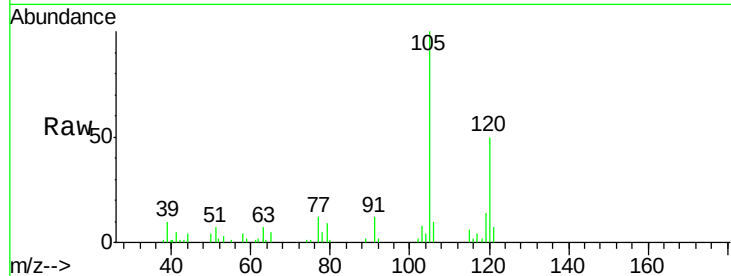
#84
 1,2,4-Trimethylbenzene
 Concen: 0.99 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX001135.D
 Acq: 26 Apr 2018 17:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
105	100		
120	46.3	22.4	67.3

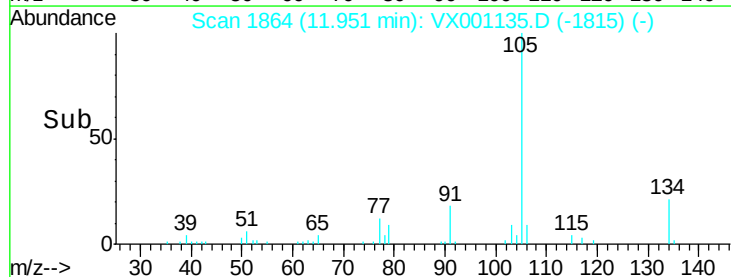
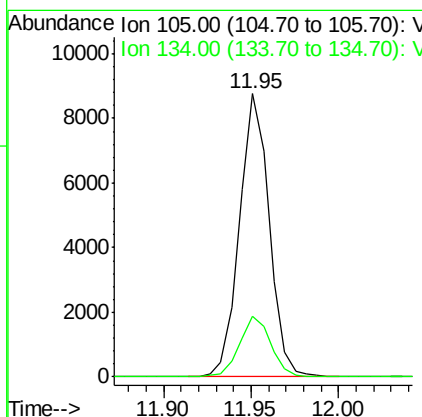
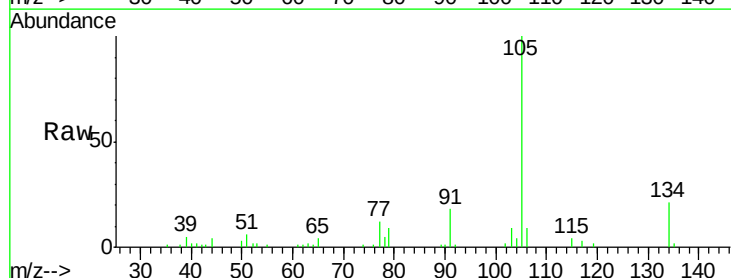
Manual Integrations
 APPROVED

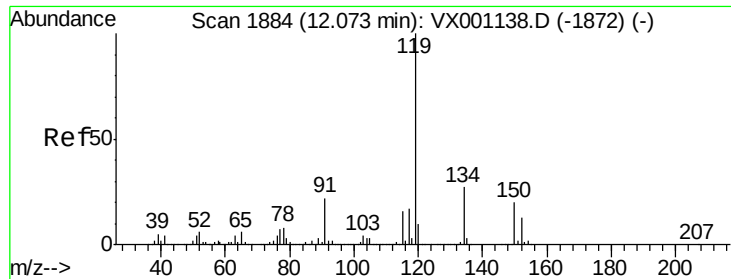
MMDadoda
 4/30/2018 6:03:23 PM



#85
 sec-Butylbenzene
 Concen: 0.98 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VX001135.D
 Acq: 26 Apr 2018 17:03

Tgt Ion	Ratio	Lower	Upper
105	100		
134	22.7	10.5	31.5





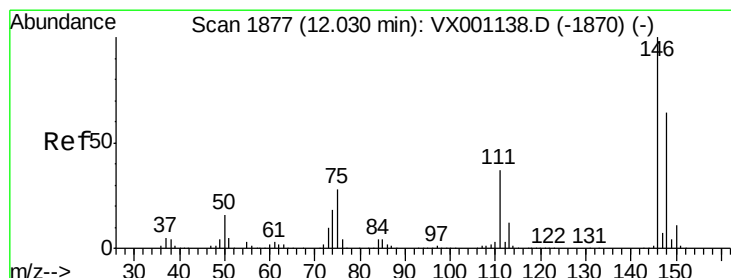
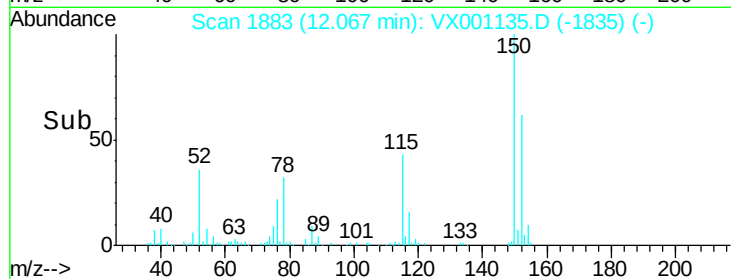
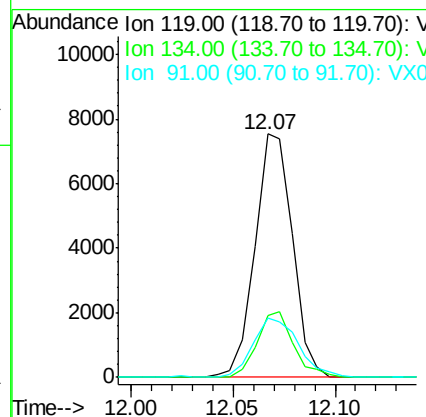
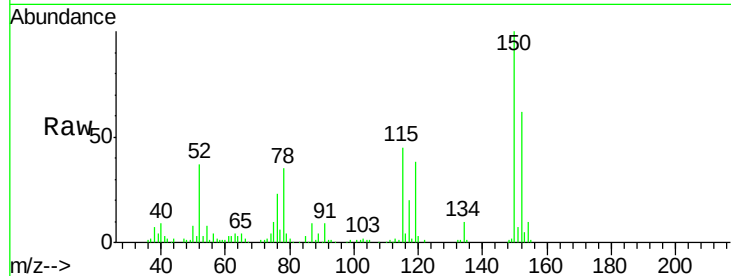
#86
 p-Isopropyltoluene
 Concen: 0.99 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.01 min
 Lab File: VX001135.D
 Acq: 26 Apr 2018 17:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.4	40.1
91	29.5	11.6	34.8

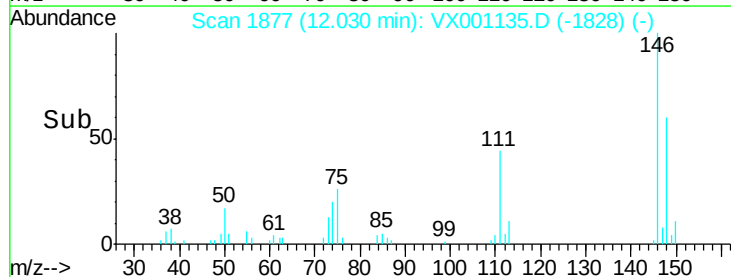
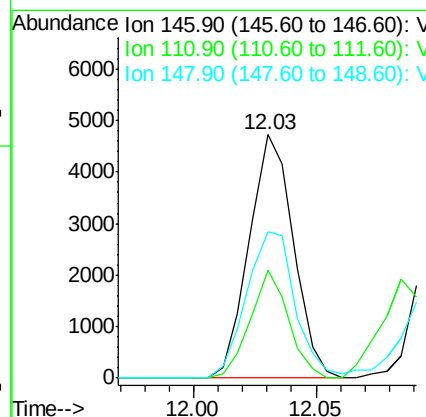
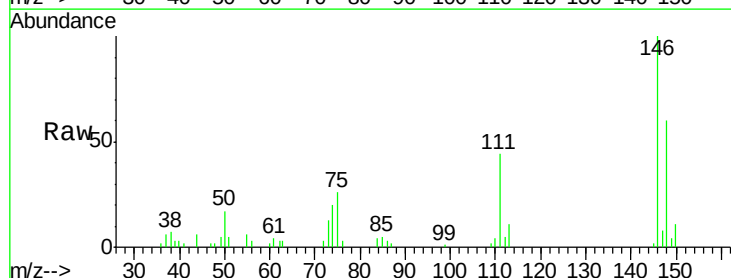
Manual Integrations
 APPROVED

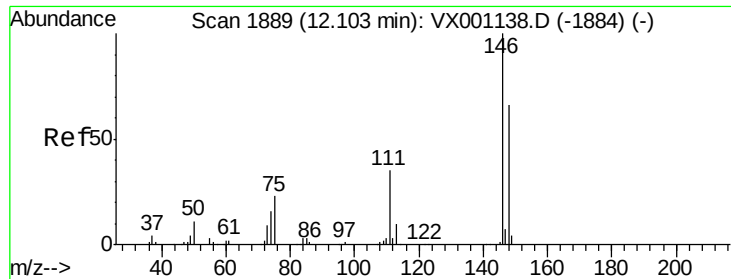
MMDadoda
 4/30/2018 6:03:23 PM



#87
 1,3-Dichlorobenzene
 Concen: 1.06 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX001135.D
 Acq: 26 Apr 2018 17:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.6	56.0
148	65.8	32.3	96.8





#88

1,4-Dichlorobenzene

Concen: 1.15 ug/l m

RT: 12.10 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VX001135.D

Acq: 26 Apr 2018 17:03

Instrument :

MSVOA_X

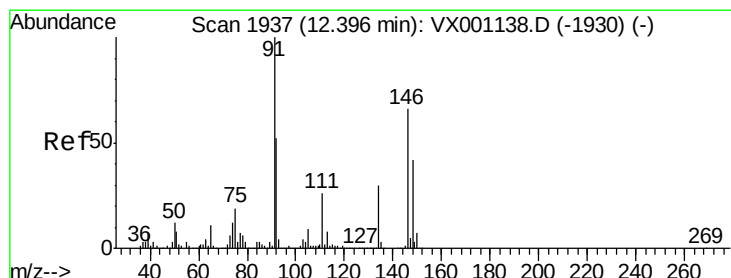
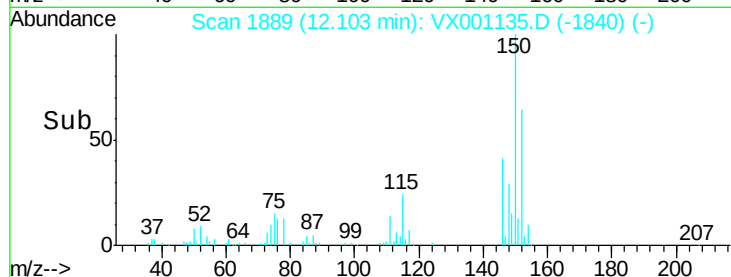
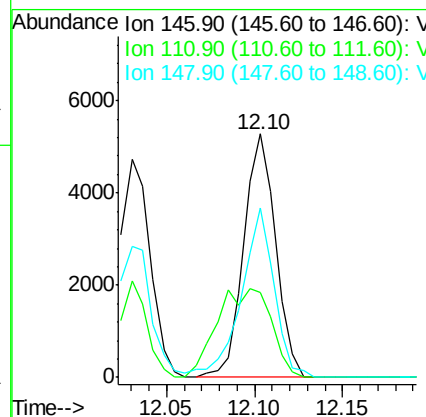
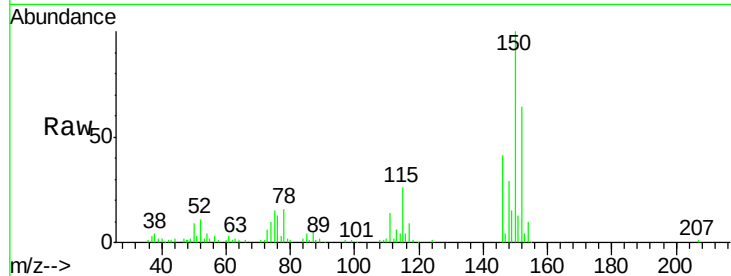
ClientSampleId :

VSTDIC001

Tot Ion:	146	Resp:	6669
Ion Ratio	Lower	Upper	
146	100		
111	34.3	18.0	54.0
148	58.8	32.5	97.5

Manual Integrations
APPROVED

MMDadoda
4/30/2018 6:03:23 PM



#89

n-Butylbenzene

Concen: 0.96 ug/l

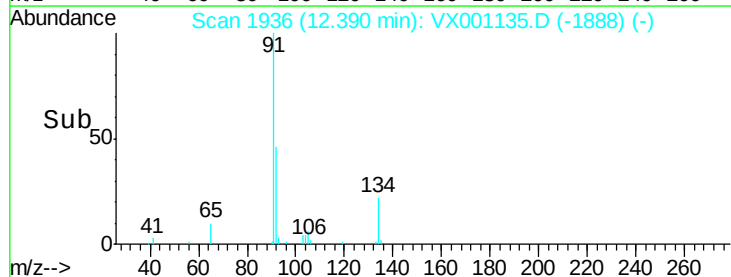
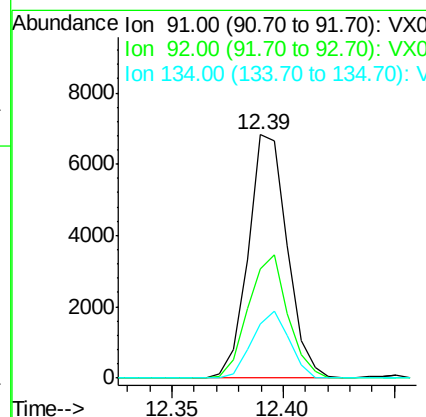
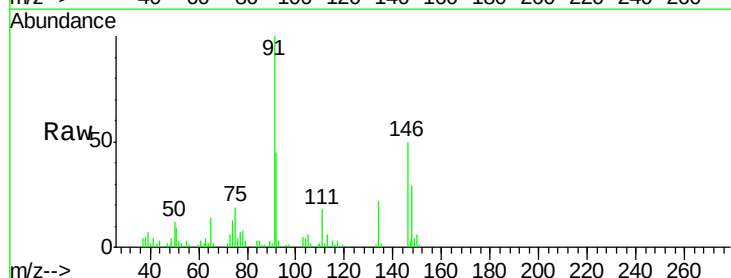
RT: 12.39 min Scan# 1936

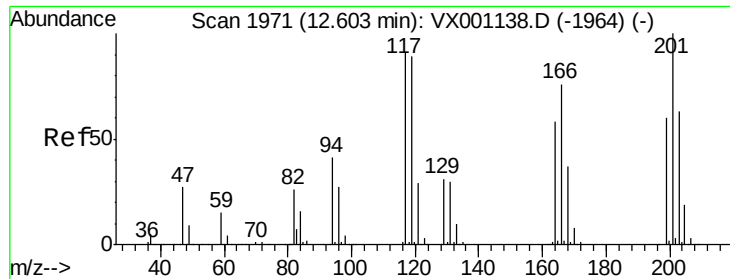
Delta R.T. -0.01 min

Lab File: VX001135.D

Acq: 26 Apr 2018 17:03

Tgt Ion:	91	Resp:	8339
Ion Ratio	Lower	Upper	
91	100		
92	51.1	26.2	78.6
134	25.9	14.1	42.3





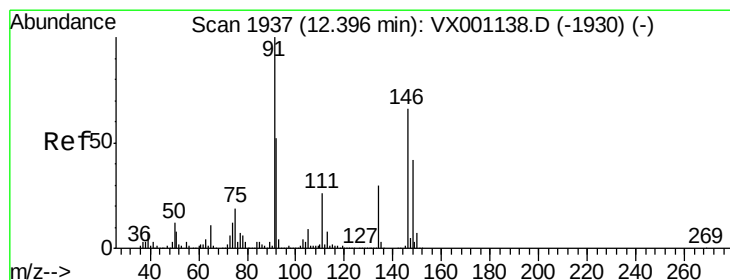
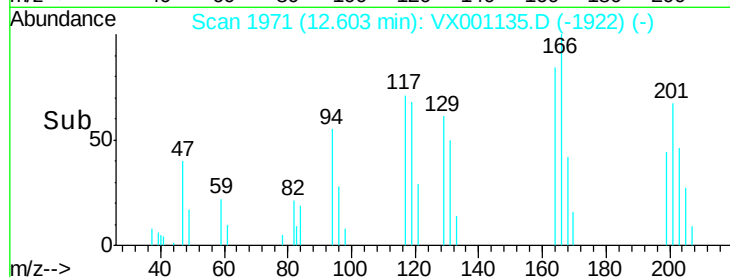
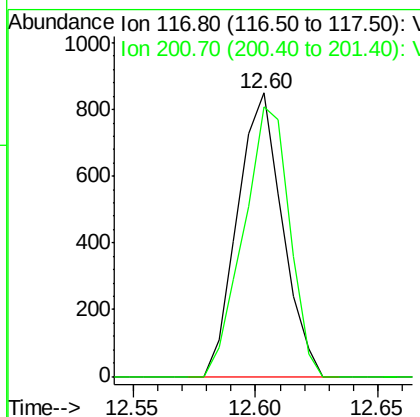
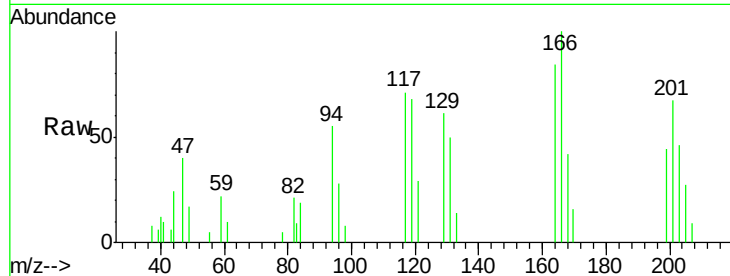
#90
Hexachloroethane
Concen: 0.78 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX001135.D
Acq: 26 Apr 2018 17:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion:117 Resp: 1083
Ion Ratio Lower Upper
117 100
201 97.5 51.8 155.4

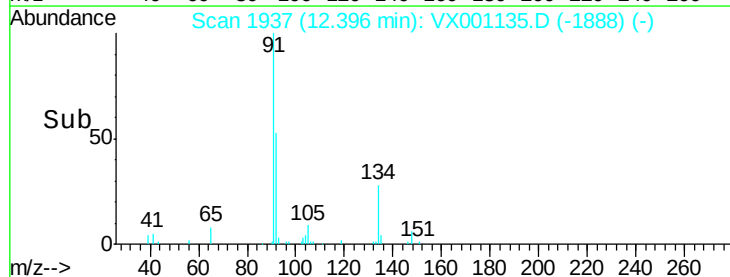
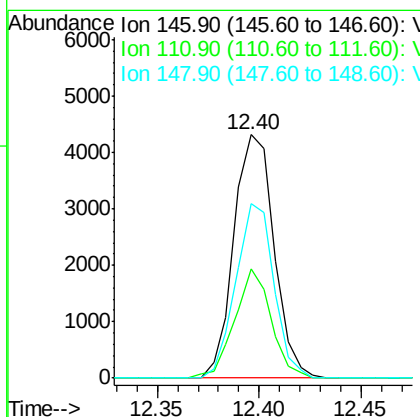
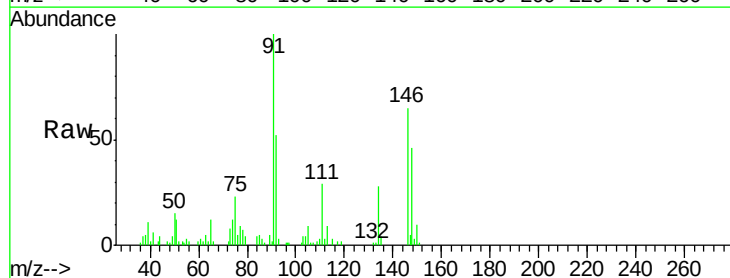
Manual Integrations
APPROVED

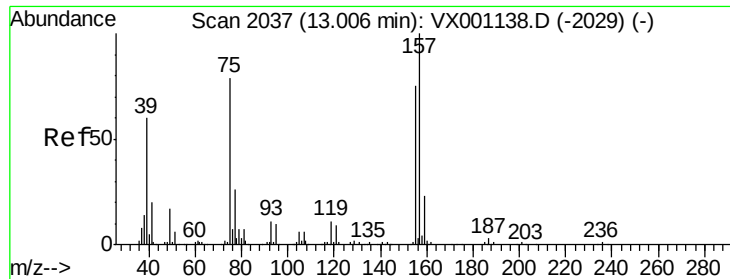
MMDadoda
4/30/2018 6:03:23 PM



#91
1,2-Dichlorobenzene
Concen: 1.07 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX001135.D
Acq: 26 Apr 2018 17:03

Tgt Ion:146 Resp: 5871
Ion Ratio Lower Upper
146 100
111 40.8 19.1 57.3
148 68.3 32.2 96.6





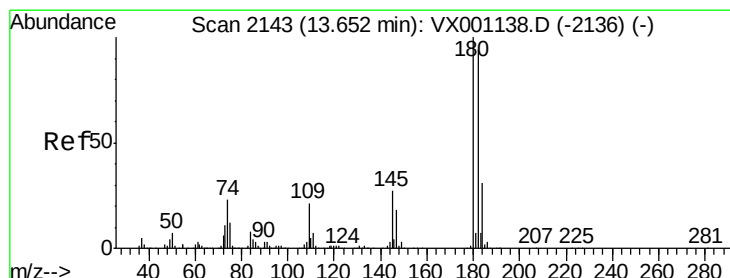
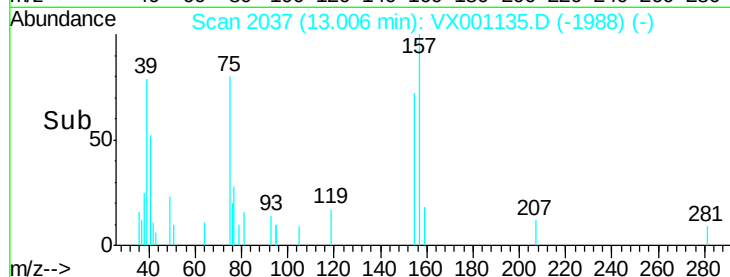
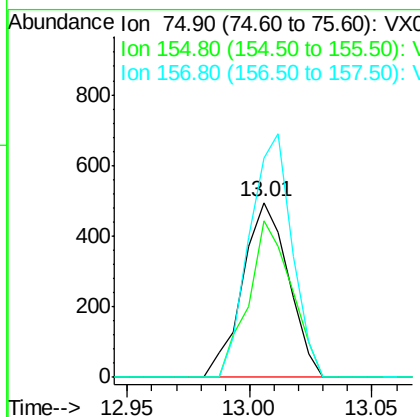
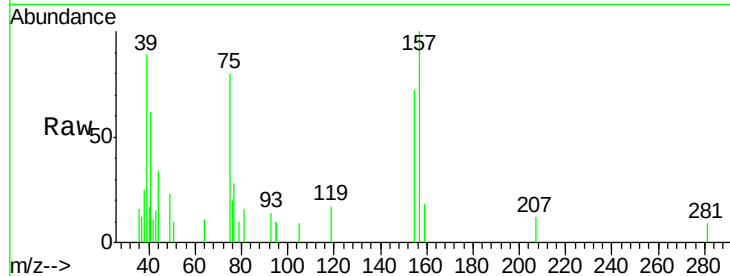
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.00 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX001135.D
 Acq: 26 Apr 2018 17:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
155	83.4	48.4	145.3
157	127.9	62.7	188.1

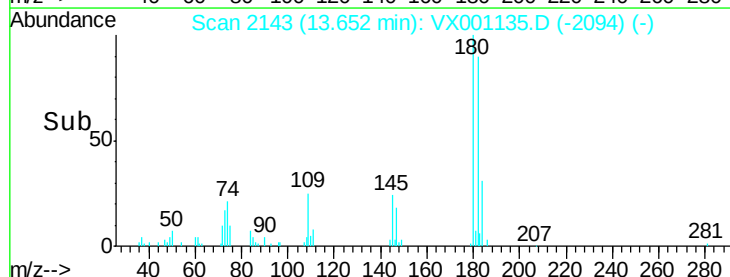
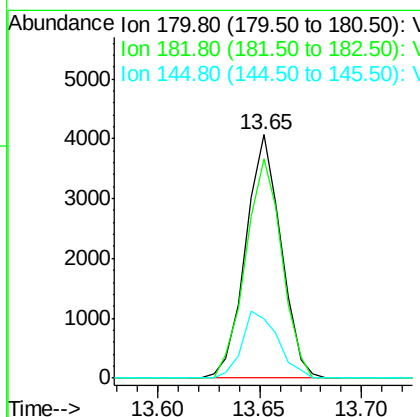
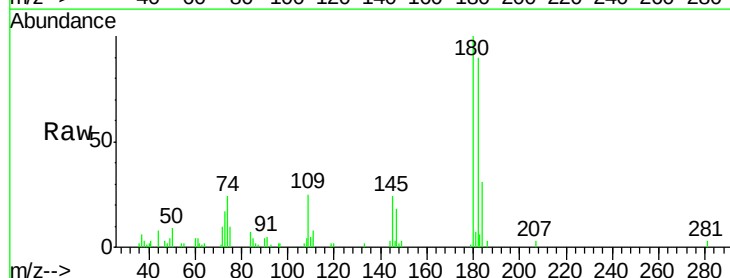
Manual Integrations
 APPROVED

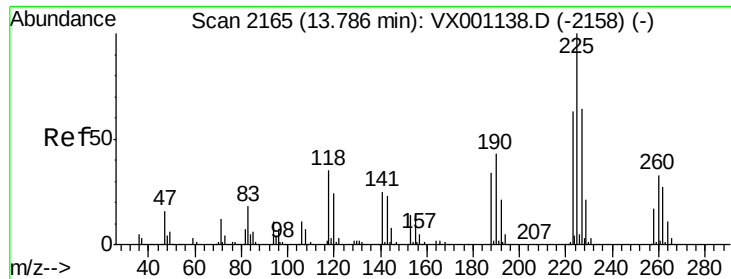
MMDadoda
 4/30/2018 6:03:23 PM



#93
 1,2,4-Trichlorobenzene
 Concen: 1.07 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX001135.D
 Acq: 26 Apr 2018 17:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.7	47.9	143.6
145	27.8	13.8	41.4





#94

Hexachlorobutadiene

Concen: 1.09 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. -0.00 min

Lab File: VX001135.D

Acq: 26 Apr 2018 17:03

Instrument :

MSVOA_X

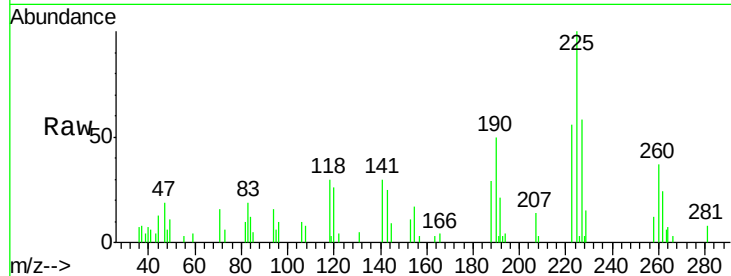
ClientSampleId :

VSTDIC001

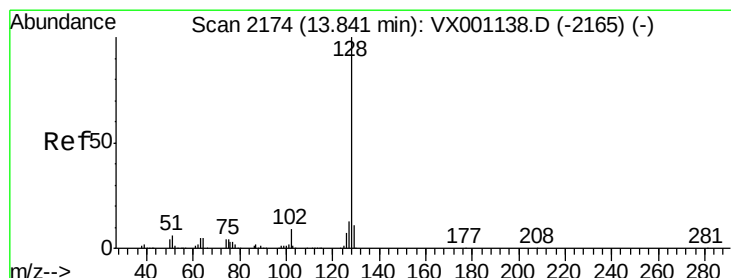
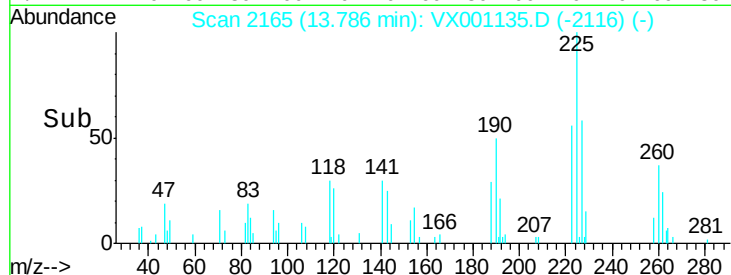
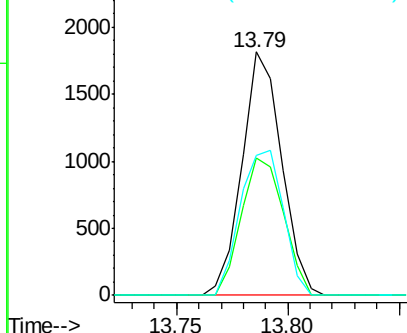
Tot Ion:	225	Resp:	2260
Ion Ratio	Lower	Upper	
225	100		
223	60.2	31.3	93.9
227	64.5	32.2	96.6

Manual Integrations
APPROVED

MMDadoda
4/30/2018 6:03:23 PM



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 1.06 ug/l

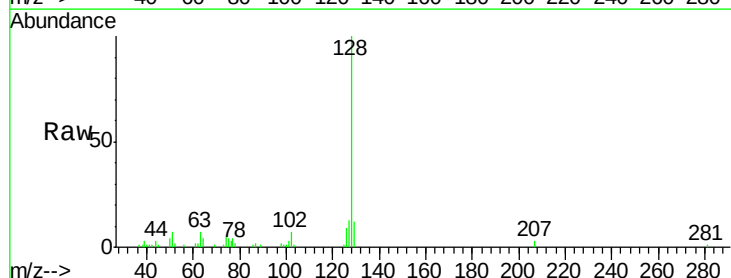
RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

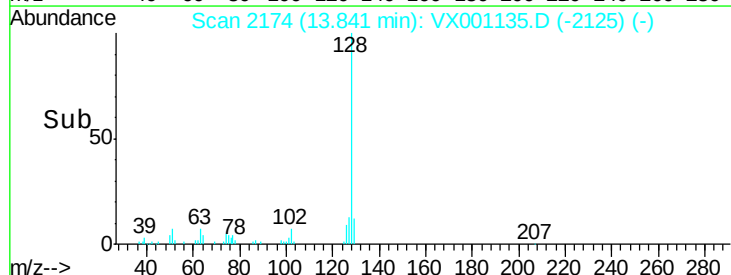
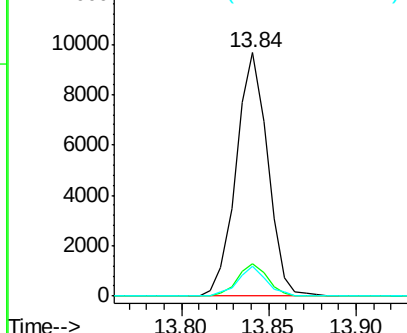
Lab File: VX001135.D

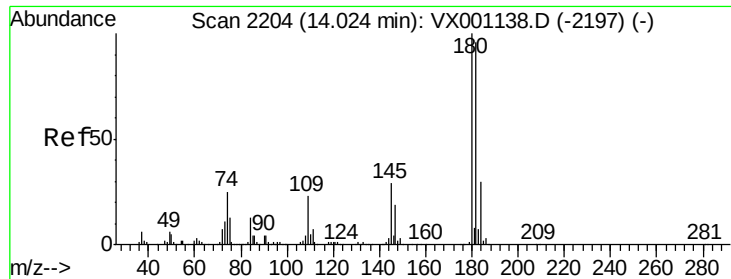
Acq: 26 Apr 2018 17:03

Tgt Ion:	128	Resp:	12169
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.6	15.8
129	11.2	8.8	13.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 1.05 ug/l
 RT: 14.02 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: VX001135.D
 Acq: 26 Apr 2018 17:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.9	48.2	144.6
145	30.5	14.5	43.5

Manual Integrations
 APPROVED

MMDadoda
 4/30/2018 6:03:23 PM

