

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071918\
 Data File : VX003474.D
 Acq On : 19 Jul 2018 20:35
 Operator : JC/SP
 Sample : VX0719WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0719WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/20/2018 5:22:13 PM

Quant Time: Jul 20 04:15:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 17:09:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	311238	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	446112	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	417655	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	248861	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	198943	54.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.00%	
35) Dibromofluoromethane	5.51	113	176692	52.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.00%	
50) Toluene-d8	8.72	98	673601	52.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.48%	
62) 4-Bromofluorobenzene	11.14	95	240739	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	53105	21.08	ug/l	97
3) Chloromethane	1.32	50	69116	21.91	ug/l	99
4) Vinyl Chloride	1.40	62	77742	19.66	ug/l	99
5) Bromomethane	1.64	94	42904	26.09	ug/l	100
6) Chloroethane	1.72	64	50254	21.48	ug/l	98
7) Trichlorofluoromethane	1.93	101	108052	20.48	ug/l	100
8) Diethyl Ether	2.19	74	46113	20.35	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.39	101	67702	19.61	ug/l	98
10) Methyl Iodide	2.51	142	73375	17.69	ug/l	94
11) Tert butyl alcohol	3.07	59	83748	114.88	ug/l	100
12) 1,1-Dichloroethene	2.37	96	65014	20.45	ug/l	89
13) Acrolein	2.29	56	34114	103.57	ug/l	99
14) Allyl chloride	2.73	41	120184	21.36	ug/l	87
15) Acrylonitrile	3.15	53	200613	108.08	ug/l	98
16) Acetone	2.45	43	157745	113.35	ug/l #	89
17) Carbon Disulfide	2.57	76	176830	20.57	ug/l	98
18) Methyl Acetate	2.78	43	98081	22.36	ug/l	96
19) Methyl tert-butyl Ether	3.21	73	222153	21.40	ug/l	99
20) Methylene Chloride	2.86	84	75782	21.78	ug/l	89
21) trans-1,2-Dichloroethene	3.17	96	71048	20.09	ug/l	89
22) Diisopropyl ether	3.87	45	223283	21.09	ug/l	98
23) Vinyl Acetate	3.82	43	899388	103.11	ug/l	96
24) 1,1-Dichloroethane	3.70	63	129525	20.85	ug/l	99
25) 2-Butanone	4.71	43	251751	107.82	ug/l	93
26) 2,2-Dichloropropane	4.59	77	87937	18.64	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	78674	19.98	ug/l	90
28) Bromochloromethane	5.03	49	60880	22.42	ug/l	88
29) Tetrahydrofuran	5.17	42	163599	106.07	ug/l	92
30) Chloroform	5.21	83	125654	20.71	ug/l	99
31) Cyclohexane	5.57	56	110745	19.95	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	107812	20.75	ug/l	97
36) 1,1-Dichloropropene	5.81	75	93406	19.39	ug/l	97
37) Ethyl Acetate	4.87	43	96085	21.08	ug/l	95
38) Carbon Tetrachloride	5.78	117	93283	19.74	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071918\
 Data File : VX003474.D
 Acq On : 19 Jul 2018 20:35
 Operator : JC/SP
 Sample : VX0719WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0719WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/20/2018 5:22:13 PM

Quant Time: Jul 20 04:15:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 17:09:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	110426	19.36	ug/l	96
40) Benzene	6.15	78	294640	20.26	ug/l	98
41) Methacrylonitrile	5.06	41	55375	20.67	ug/l	93
42) 1,2-Dichloroethane	6.20	62	96461	21.05	ug/l	95
43) Isopropyl Acetate	6.47	43	150998	20.83	ug/l	94
44) Trichloroethene	7.21	130	85834	19.79	ug/l	96
45) 1,2-Dichloropropane	7.52	63	75186	20.36	ug/l	99
46) Dibromomethane	7.67	93	49346	20.76	ug/l	96
47) Bromodichloromethane	7.90	83	89512	20.57	ug/l	98
48) Methyl methacrylate	7.78	41	76816	21.01	ug/l	84
49) 1,4-Dioxane	7.76	88	34780	419.83	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	501150	109.41	ug/l	93
52) Toluene	8.79	92	187252	20.46	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	109268	20.40	ug/l	99
54) cis-1,3-Dichloropropene	9.04	75	96993	20.13	ug/l	90
55) 1,1,2-Trichloroethane	9.22	97	75140	20.63	ug/l	98
56) Ethyl methacrylate	9.18	69	106744	20.81	ug/l #	83
57) 1,3-Dichloropropane	9.37	76	123788	21.02	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	260278	104.33	ug/l	97
59) 2-Hexanone	9.50	43	373152	109.96	ug/l	89
60) Dibromochloromethane	9.59	129	73083	20.27	ug/l	100
61) 1,2-Dibromoethane	9.68	107	78414	20.77	ug/l	99
64) Tetrachloroethene	9.34	164	99738	19.60	ug/l	99
65) Chlorobenzene	10.14	112	210904	19.60	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	74618	20.15	ug/l	99
67) Ethyl Benzene	10.26	91	346237	20.01	ug/l	100
68) m/p-Xylenes	10.36	106	271379	40.01	ug/l	97
69) o-Xylene	10.70	106	130404	19.88	ug/l	97
70) Styrene	10.71	104	217655	20.17	ug/l	97
71) Bromoform	10.86	173	56429	19.62	ug/l #	100
73) Isopropylbenzene	11.02	105	350442	20.36	ug/l	100
74) N-amyl acetate	6.47	43	150998	20.66	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	11.27	83	104909	20.80	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	108307m	24.23	ug/l	
77) Bromobenzene	11.26	156	96713	19.54	ug/l	97
78) n-propylbenzene	11.36	91	391676	20.47	ug/l	98
79) 2-Chlorotoluene	11.42	91	235588	20.28	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	290757	20.56	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	27214	18.84	ug/l	92
82) 4-Chlorotoluene	11.51	91	274559	20.17	ug/l	98
83) tert-Butylbenzene	11.77	119	274813	19.84	ug/l	95
84) 1,2,4-Trimethylbenzene	11.81	105	298455	20.74	ug/l	99
85) sec-Butylbenzene	11.95	105	338468	20.12	ug/l	99
86) p-Isopropyltoluene	12.07	119	305350	20.22	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	174916	19.22	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	177200	18.90	ug/l	99
89) n-Butylbenzene	12.39	91	247326	19.29	ug/l	99
90) Hexachloroethane	12.60	117	40590	18.91	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	176402	19.67	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	19889	20.26	ug/l	89

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071918\
Data File : VX003474.D
Acq On : 19 Jul 2018 20:35
Operator : JC/SP
Sample : VX0719WBS01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0719WBS01

Manual Integrations
APPROVED

MMDadoda
7/20/2018 5:22:13 PM

Quant Time: Jul 20 04:15:50 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 19 17:09:44 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	122719	18.67	ug/l	99
94) Hexachlorobutadiene	13.79	225	58106	18.38	ug/l	100
95) Naphthalene	13.83	128	350390	20.29	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	124114	19.08	ug/l	100

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

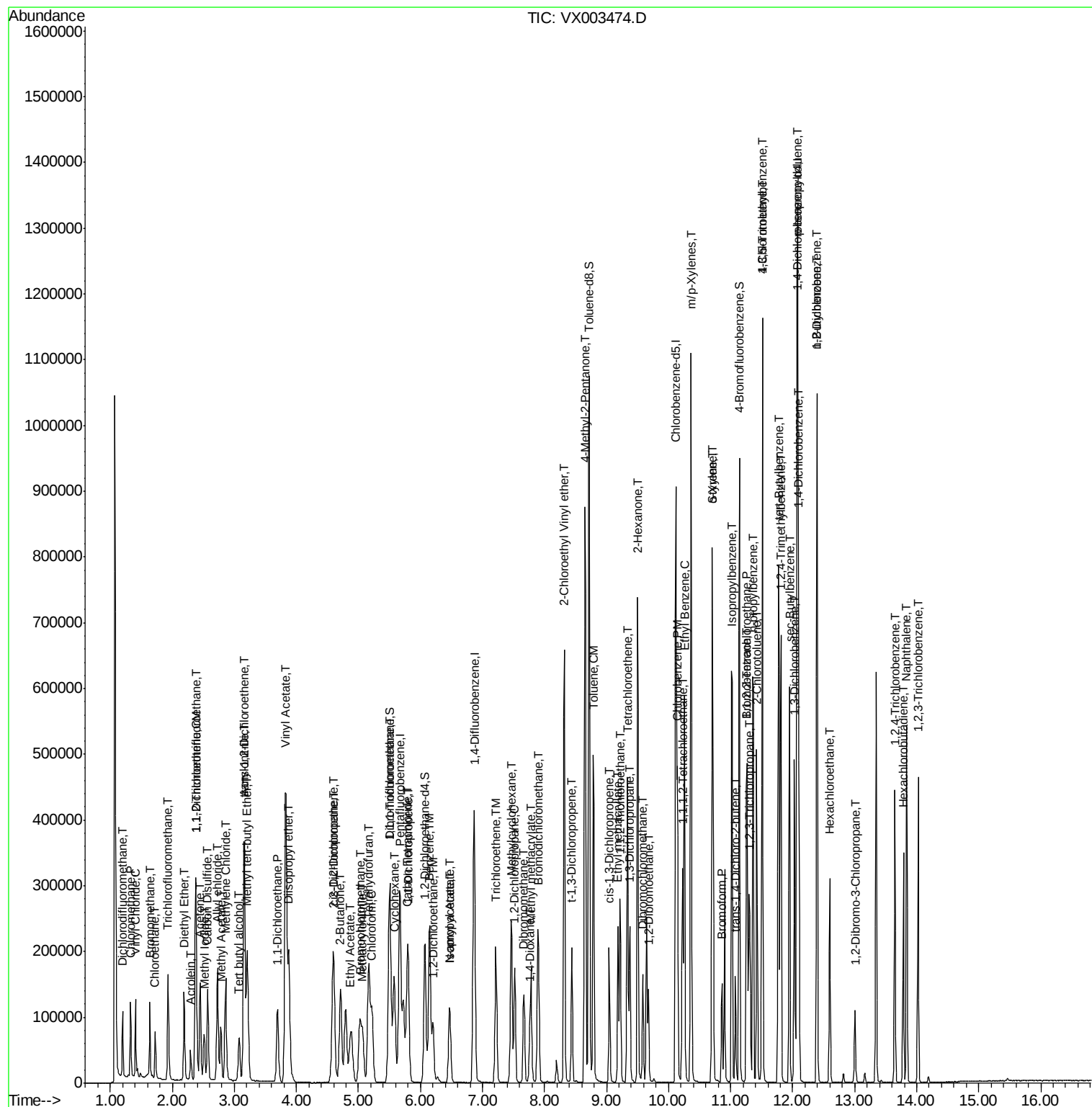
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX071918\
Data File : VX003474.D
Acq On : 19 Jul 2018 20:35
Operator : JC/SP
Sample : VX0719WBS01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 16 Sample Multiplier: 1

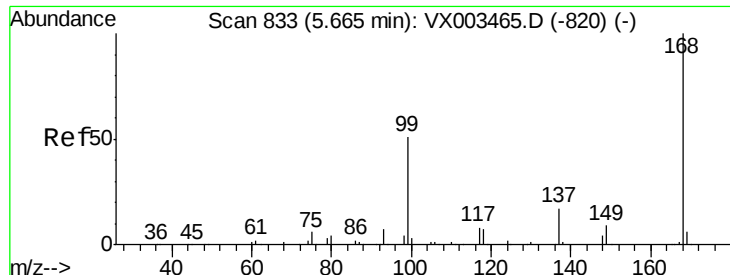
Instrument :
MSVOA_X
Client Sample Id :
VX0719WBS01

Manual Integrations
APPROVED

MMDadoda
7/20/2018 5:22:13 PM

Quant Time: Jul 20 04:15:50 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 19 17:09:44 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX003474.D

Acq: 19 Jul 2018 20:35

Instrument :

MSVOA_X

ClientSampleId :

VX0719WBS01

Tot Ion:168 Resp: 311238

Ion Ratio Lower Upper

168 100

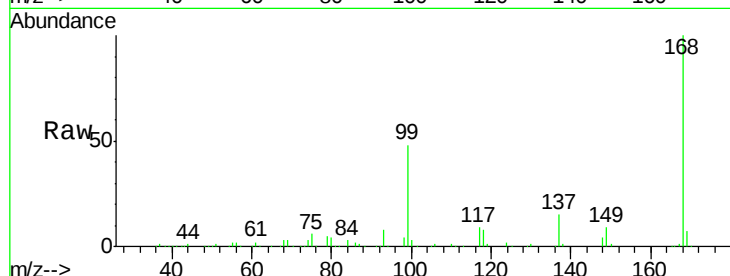
99 47.8 39.3 58.9

Manual Integrations

APPROVED

MMDadoda

7/20/2018 5:22:13 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

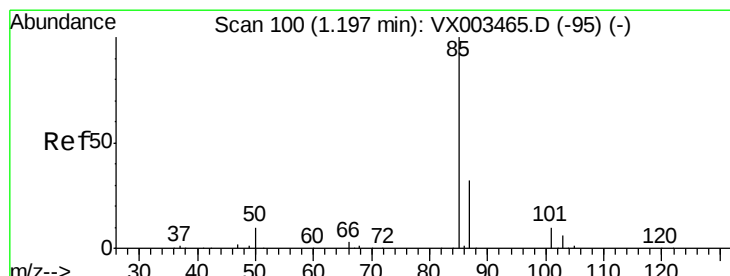
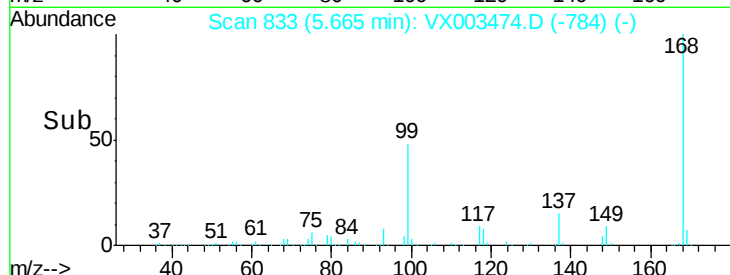
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 21.08 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003474.D

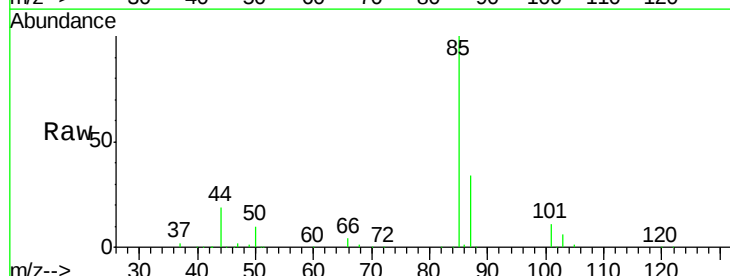
Acq: 19 Jul 2018 20:35

Tgt Ion: 85 Resp: 53105

Ion Ratio Lower Upper

85 100

87 33.5 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

60000

50000

40000

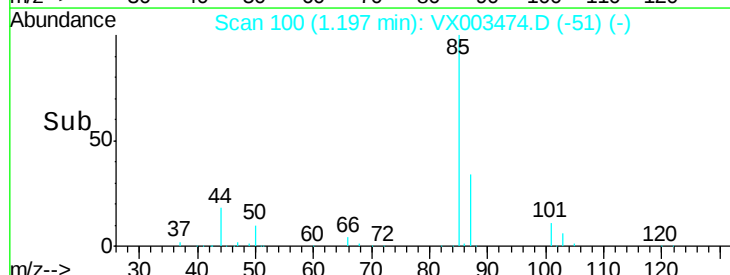
30000

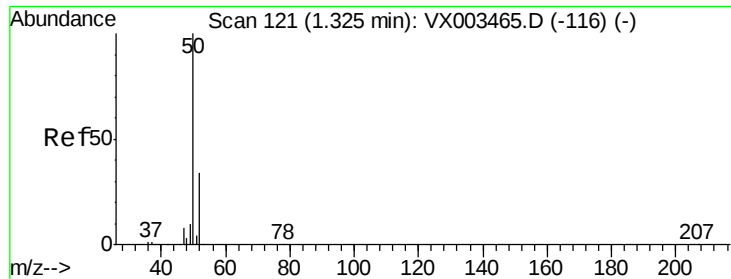
20000

10000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 21.91 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003474.D

Acq: 19 Jul 2018 20:35

Instrument :

MSVOA_X

ClientSampleId :

VX0719WBS01

Tot Ion: 50 Resp: 69116

Ion Ratio Lower Upper

50 100

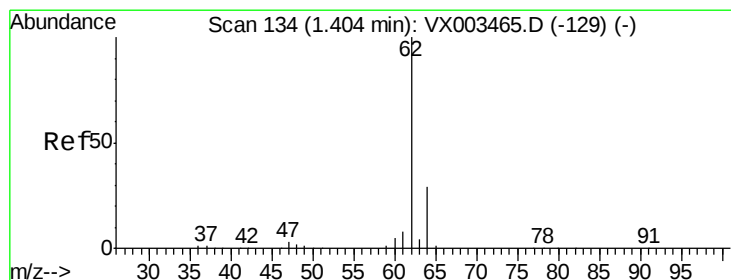
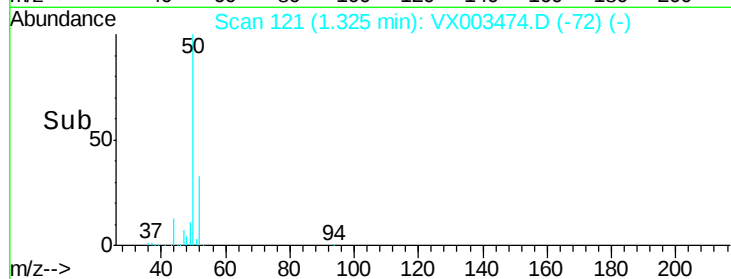
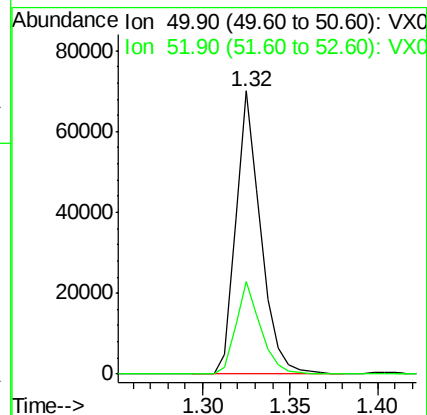
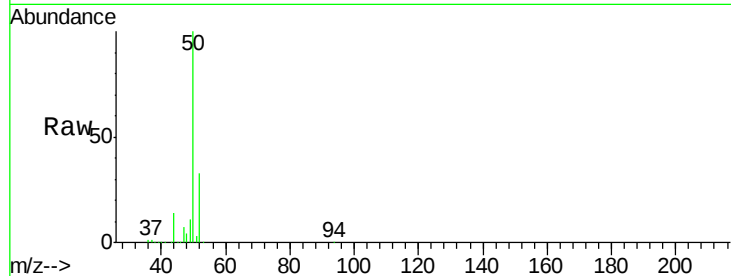
52 32.7 25.7 38.5

Manual Integrations

APPROVED

MMDadoda

7/20/2018 5:22:13 PM



#4

Vinyl Chloride

Concen: 19.66 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX003474.D

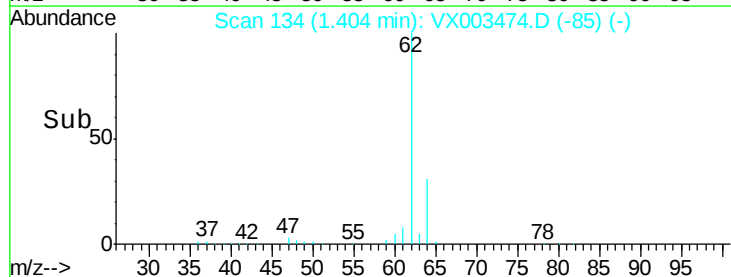
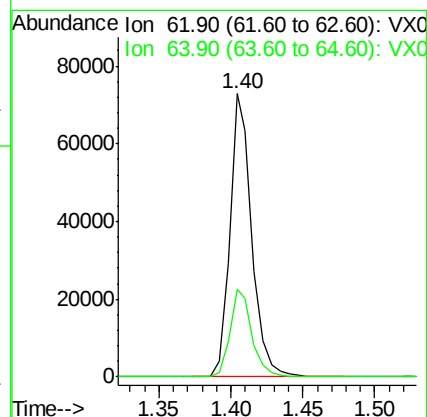
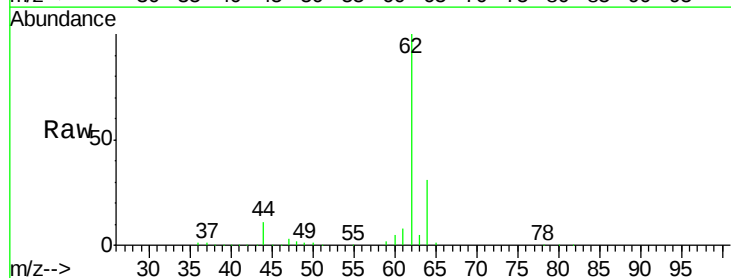
Acq: 19 Jul 2018 20:35

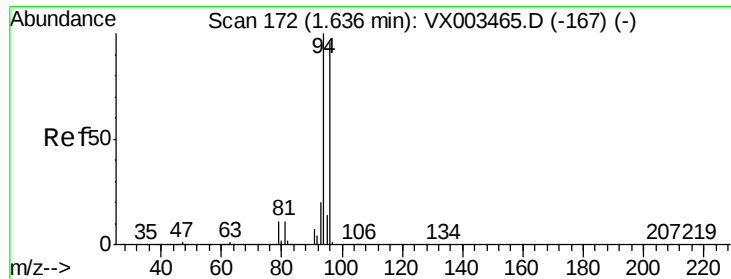
Tgt Ion: 62 Resp: 77742

Ion Ratio Lower Upper

62 100

64 31.1 25.4 38.2





#5

Bromomethane

Concen: 26.09 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003474.D

Acq: 19 Jul 2018 20:35

Instrument :

MSVOA_X

ClientSampleId :

VX0719WBS01

Tot Ion: 94 Resp: 42904

Ion Ratio Lower Upper

94 100

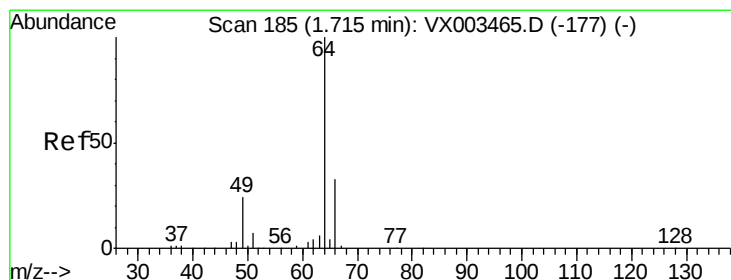
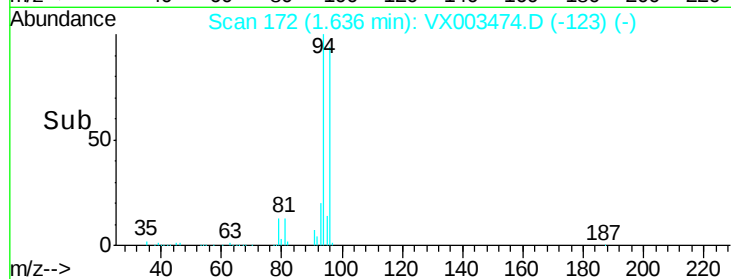
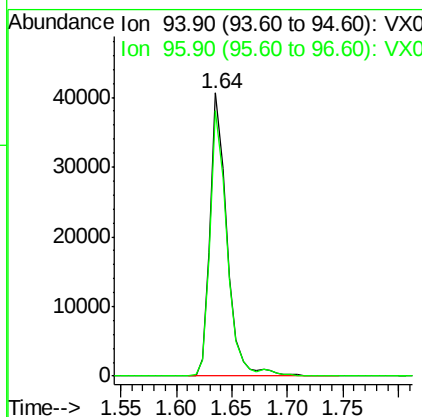
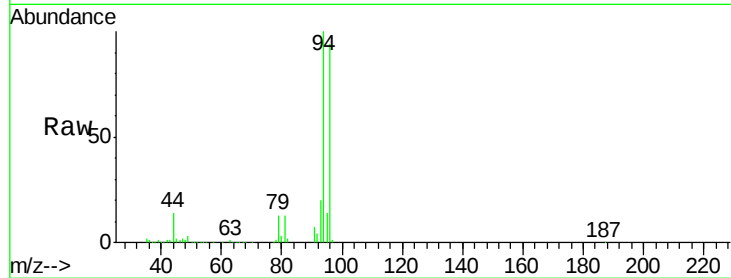
96 93.7 74.9 112.3

Manual Integrations

APPROVED

MMDadoda

7/20/2018 5:22:13 PM



#6

Chloroethane

Concen: 21.48 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX003474.D

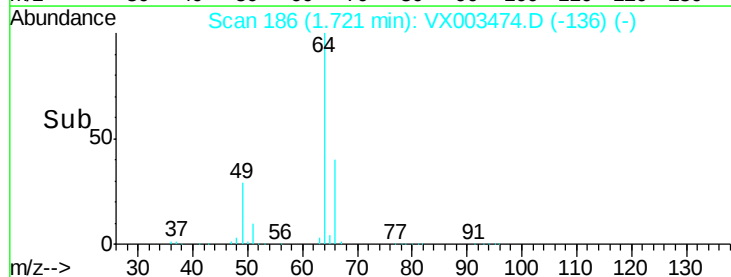
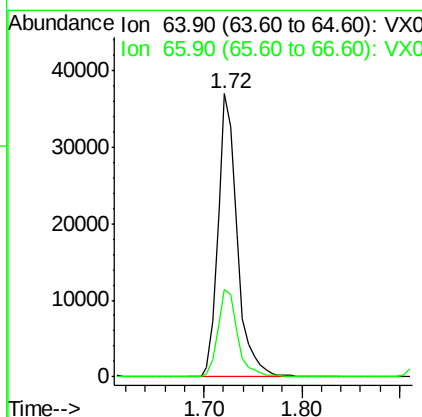
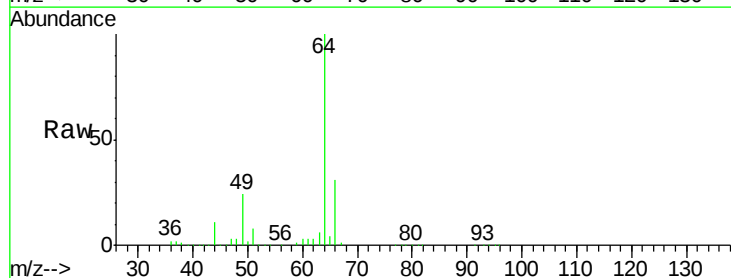
Acq: 19 Jul 2018 20:35

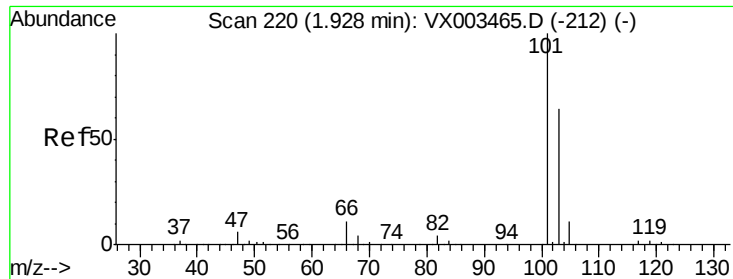
Tgt Ion: 64 Resp: 50254

Ion Ratio Lower Upper

64 100

66 31.0 25.5 38.3





#7

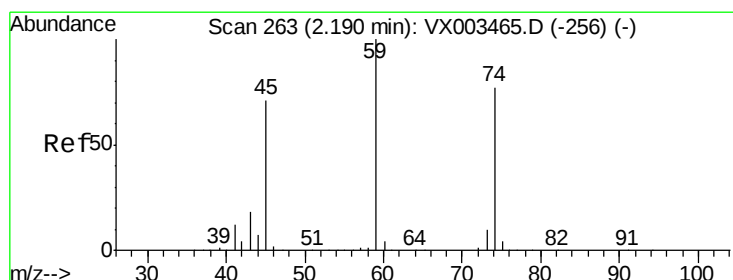
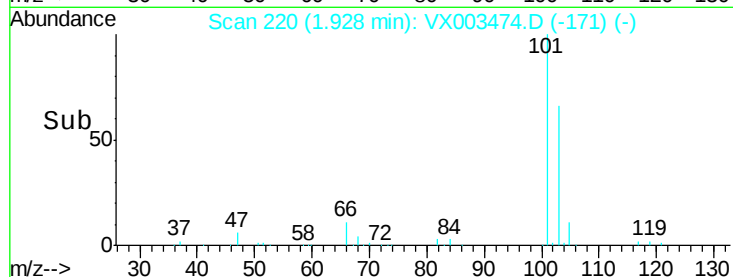
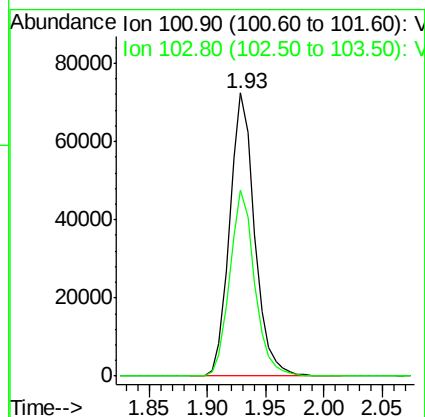
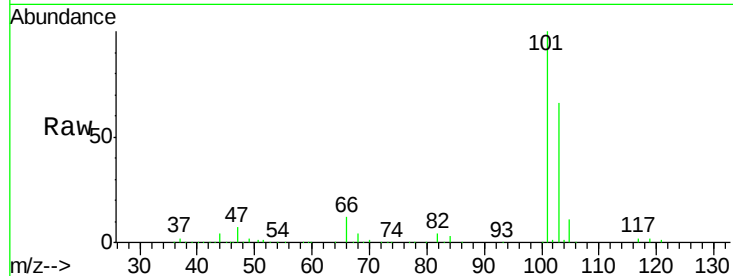
Trichlorofluoromethane
Concen: 20.48 ug/l
RT: 1.93 min Scan# 220
Delta R.T. -0.00 min
Lab File: VX003474.D
Acq: 19 Jul 2018 20:35

Instrument :
MSVOA_X
ClientSampleId :
VX0719WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.8	52.8	79.2

Manual Integrations
APPROVED

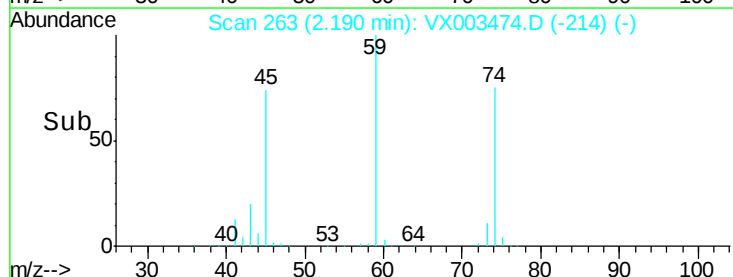
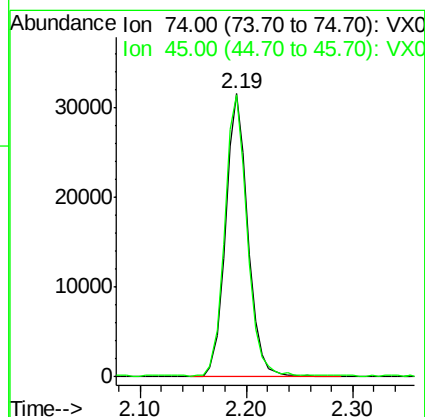
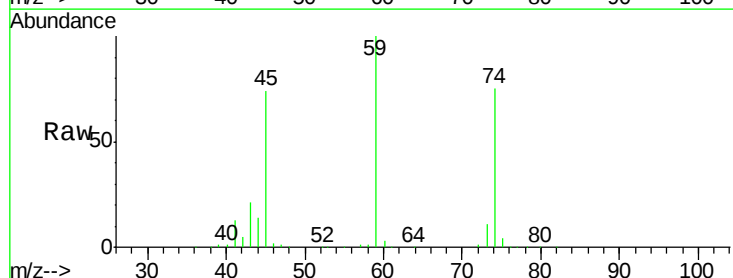
MMDadoda
7/20/2018 5:22:13 PM

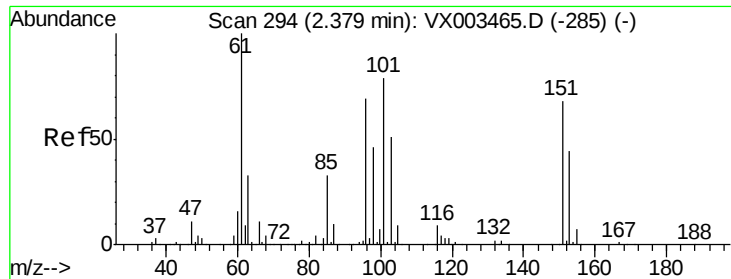


#8

Diethyl Ether
Concen: 20.35 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX003474.D
Acq: 19 Jul 2018 20:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.2	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.61 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX003474.D

Acq: 19 Jul 2018 20:35

Instrument :

MSVOA_X

ClientSampleId :

VX0719WBS01

Tot Ion:101 Resp: 67702

Ion Ratio Lower Upper

101 100

85 42.7 36.0 54.0

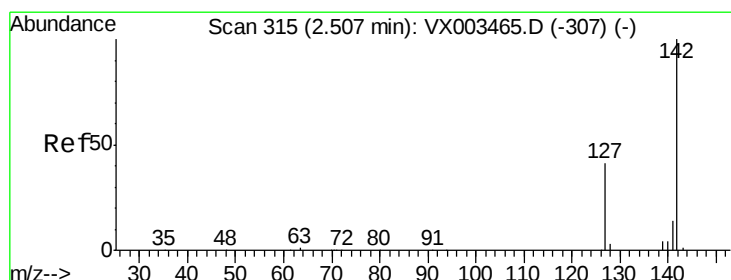
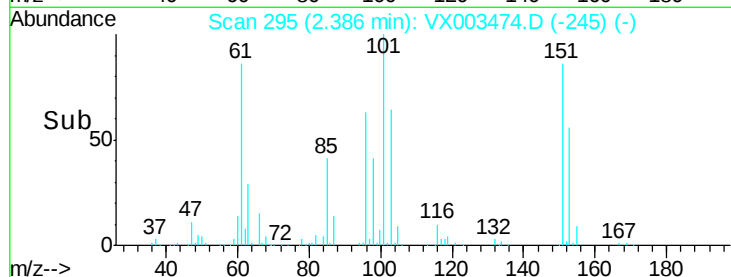
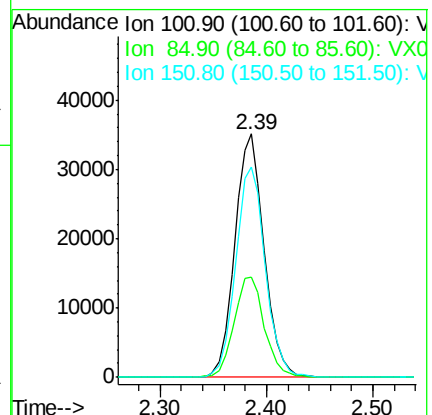
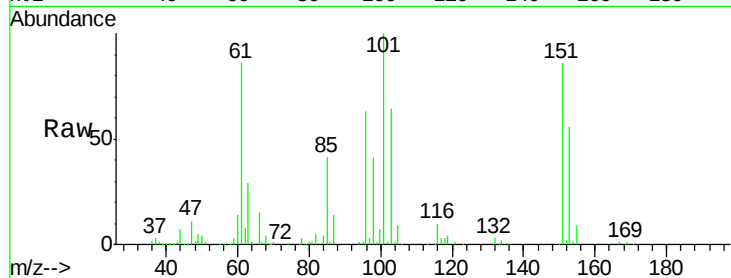
151 87.9 70.9 106.3

Manual Integrations

APPROVED

MMDadoda

7/20/2018 5:22:13 PM



#10

Methyl Iodide

Concen: 17.69 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

Lab File: VX003474.D

Acq: 19 Jul 2018 20:35

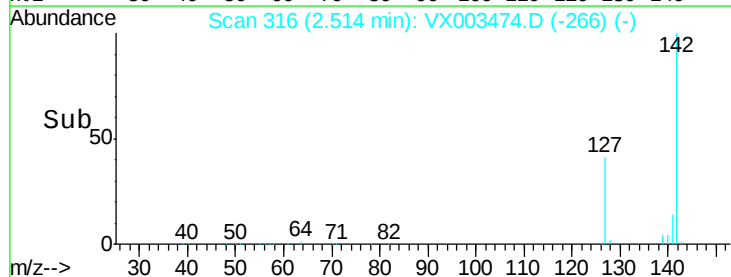
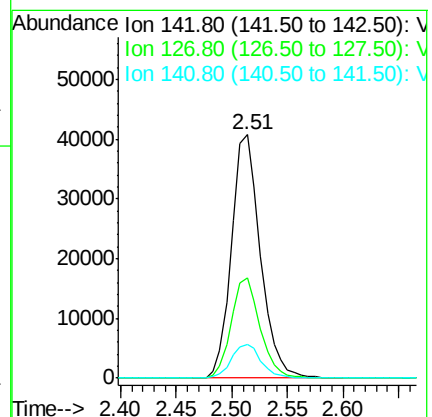
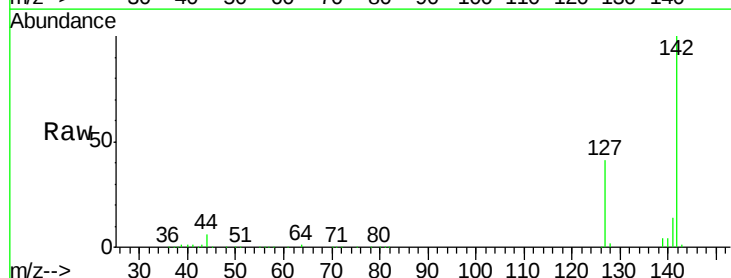
Tgt Ion:142 Resp: 73375

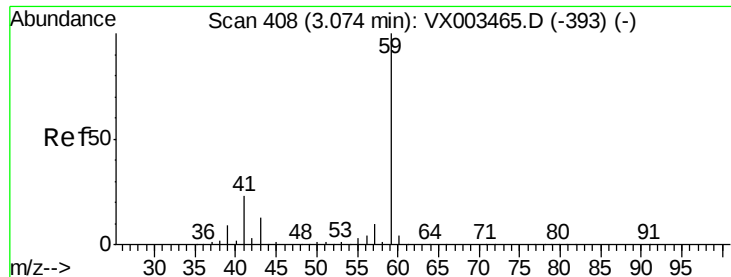
Ion Ratio Lower Upper

142 100

127 41.1 36.6 55.0

141 14.3 11.3 16.9





#11

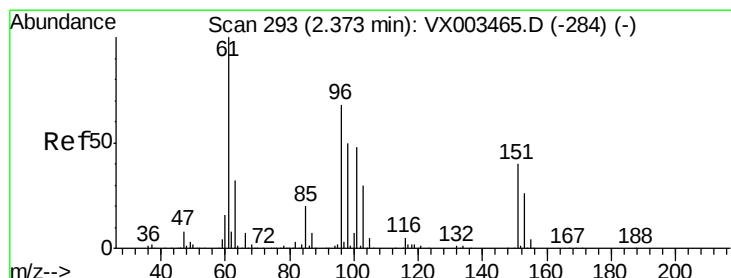
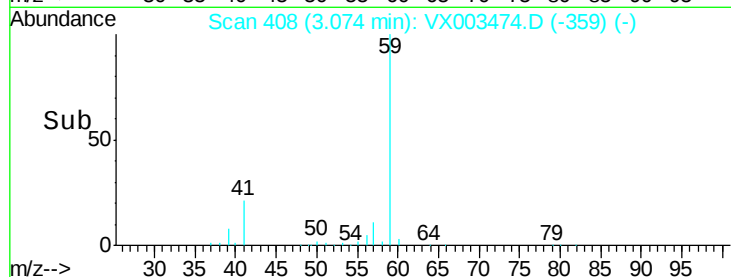
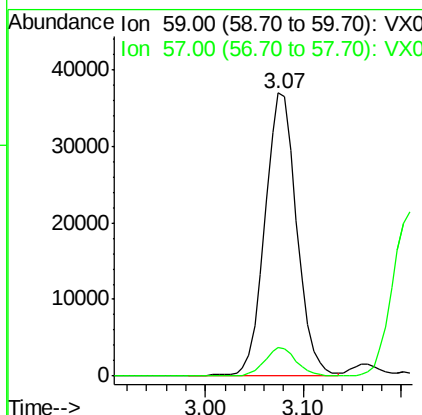
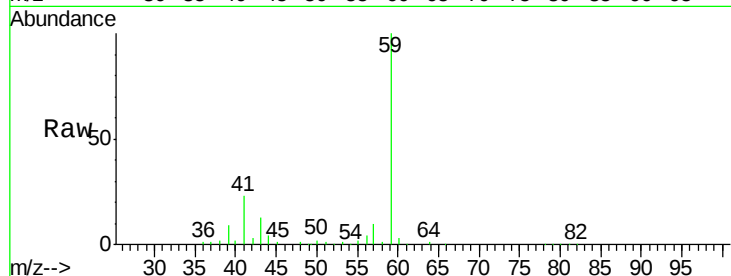
Tert butyl alcohol
 Concen: 114.88 ug/l
 RT: 3.07 min Scan# 408
 Delta R.T. -0.00 min
 Lab File: VX003474.D
 Acq: 19 Jul 2018 20:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0719WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.2

Manual Integrations
 APPROVED

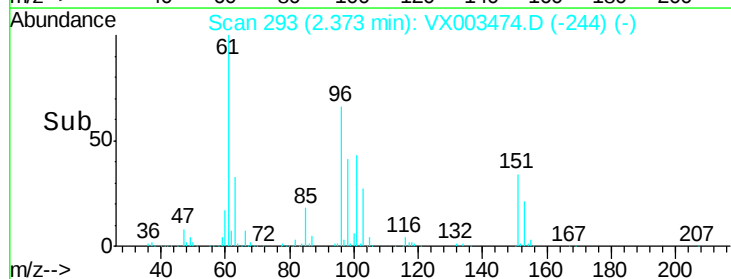
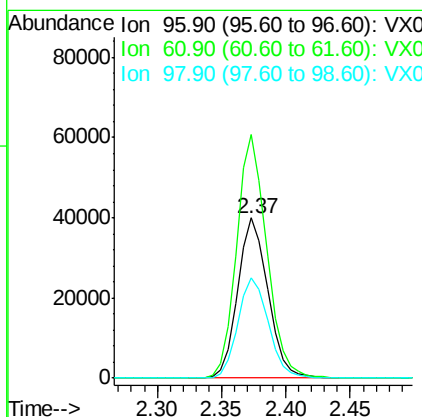
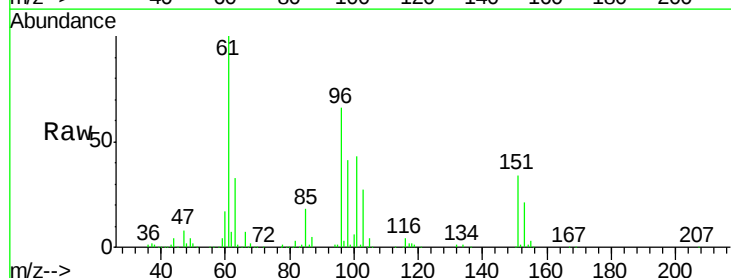
MMDadoda
 7/20/2018 5:22:13 PM

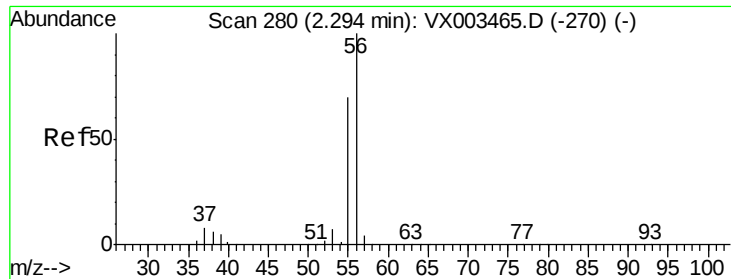


#12

1,1-Dichloroethene
 Concen: 20.45 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VX003474.D
 Acq: 19 Jul 2018 20:35

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.2	137.9	206.9
98	63.1	51.6	77.4





#13

Acrolein

Concen: 103.57 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX003474.D

Acq: 19 Jul 2018 20:35

Instrument :

MSVOA_X

ClientSampleId :

VX0719WBS01

Tot Ion: 56 Resp: 34114

Ion Ratio Lower Upper

56 100

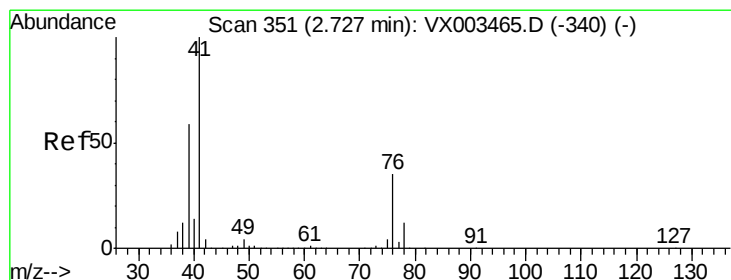
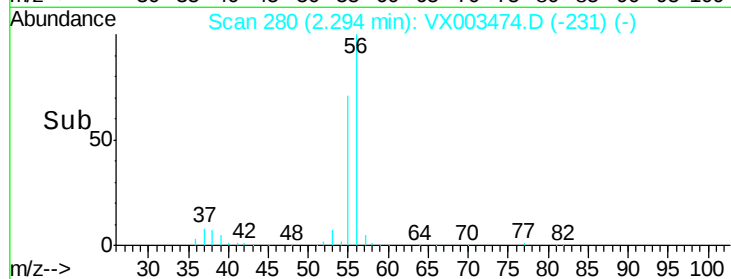
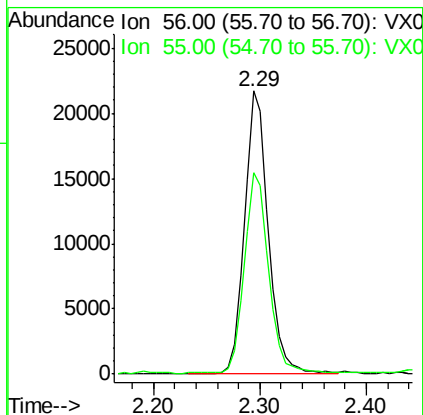
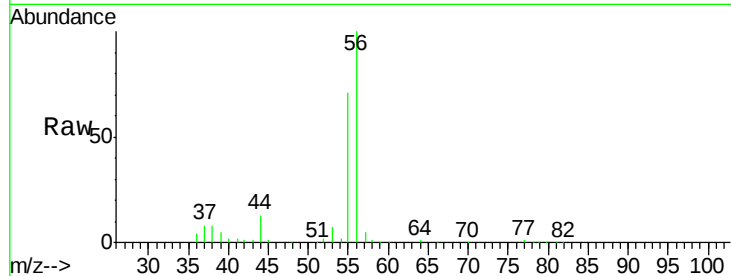
55 72.4 57.0 85.4

Manual Integrations

APPROVED

MMDadoda

7/20/2018 5:22:13 PM



#14

Allyl chloride

Concen: 21.36 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX003474.D

Acq: 19 Jul 2018 20:35

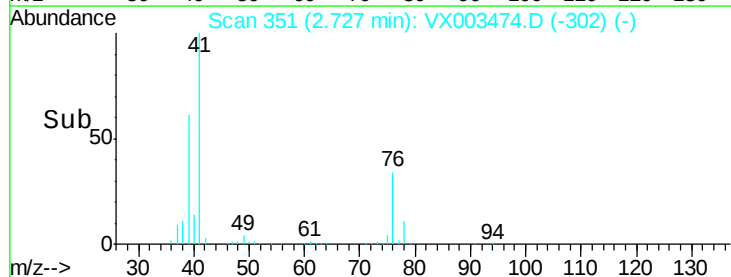
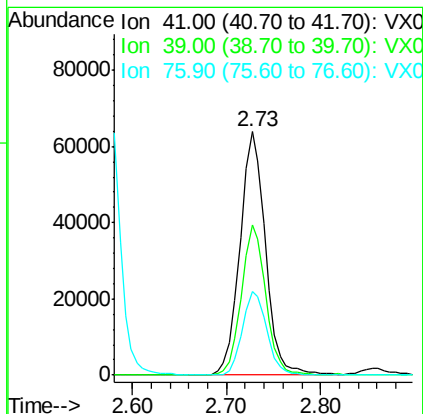
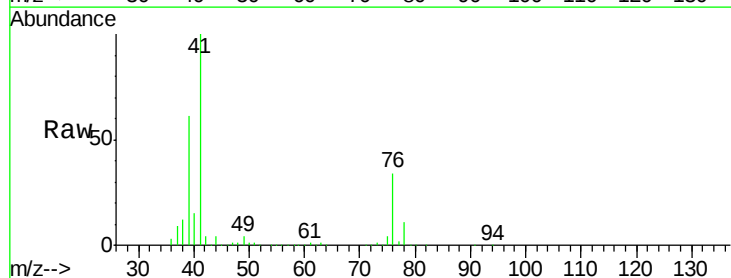
Tgt Ion: 41 Resp: 120184

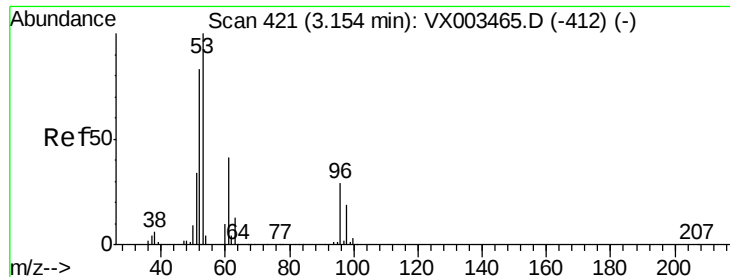
Ion Ratio Lower Upper

41 100

39 58.6 56.8 85.2

76 33.3 23.8 35.8





#15

Acrylonitrile

Concen: 108.08 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX003474.D

Acq: 19 Jul 2018 20:35

Instrument :

MSVOA_X

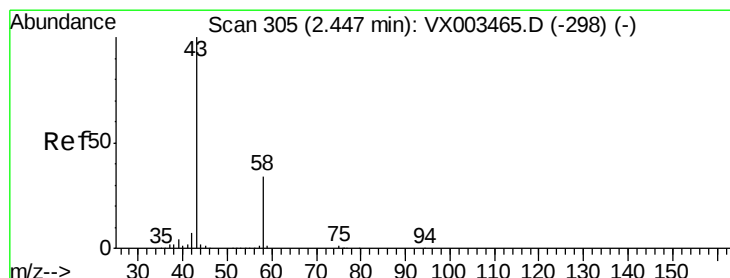
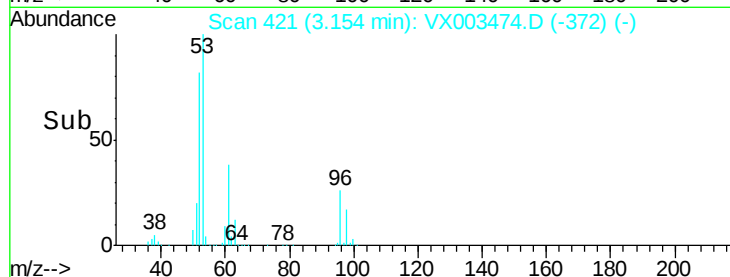
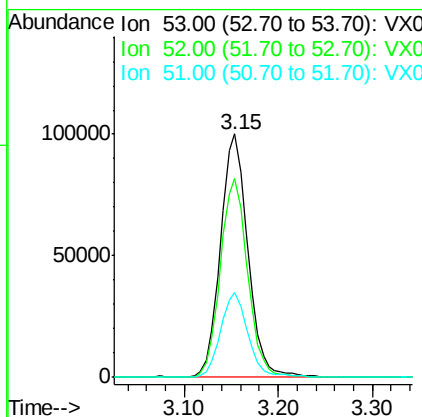
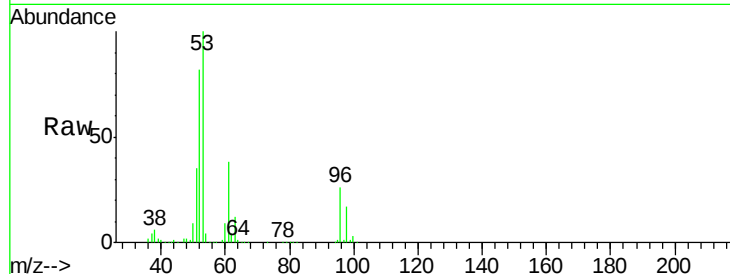
ClientSampled :

VX0719WBS01

Tot Ion:	53	Resp:	200613
Ion Ratio	Lower	Upper	
53	100		
52	81.7	66.7	100.1
51	35.3	29.9	44.9

Manual Integrations
APPROVED

MMDadoda
7/20/2018 5:22:13 PM



#16

Acetone

Concen: 113.35 ug/l

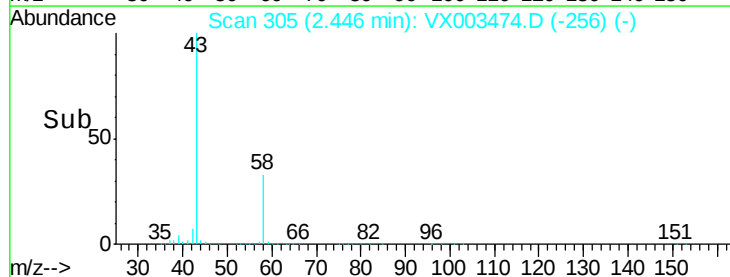
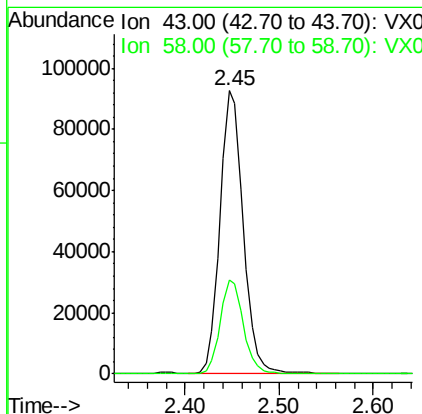
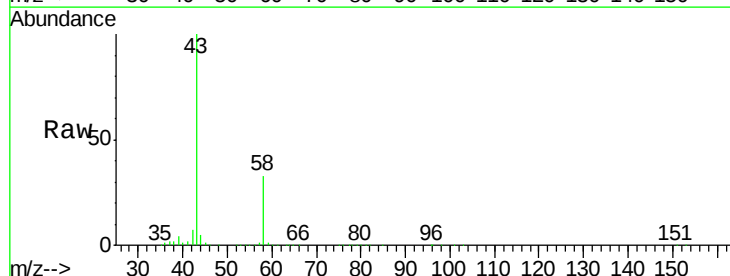
RT: 2.45 min Scan# 305

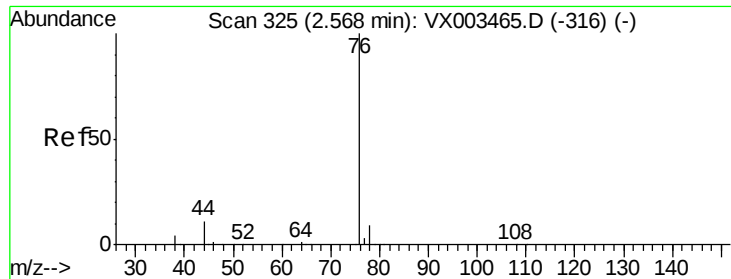
Delta R.T. -0.00 min

Lab File: VX003474.D

Acq: 19 Jul 2018 20:35

Tgt Ion:	43	Resp:	157745
Ion Ratio	Lower	Upper	
43	100		
58	33.5	22.1	33.1#





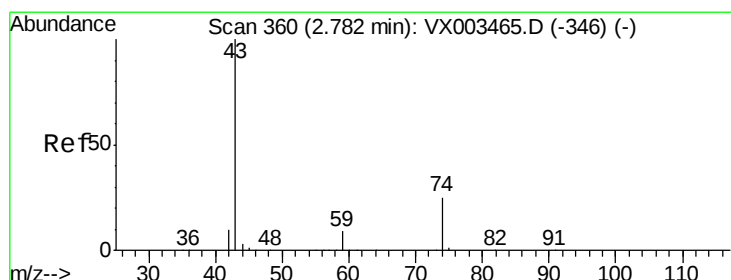
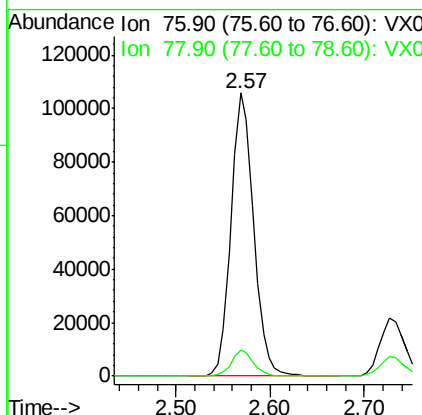
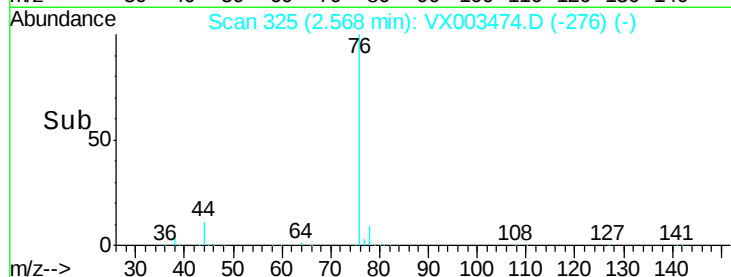
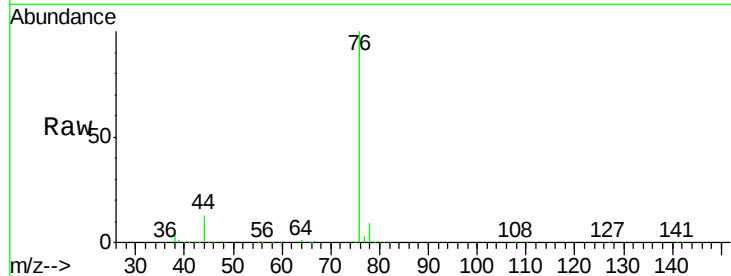
#17
Carbon Disulfide
Concen: 20.57 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX003474.D
Acq: 19 Jul 2018 20:35

Instrument :
MSVOA_X
ClientSampleId :
VX0719WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	6.9	10.3

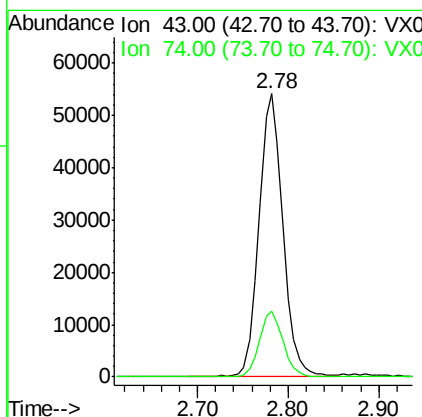
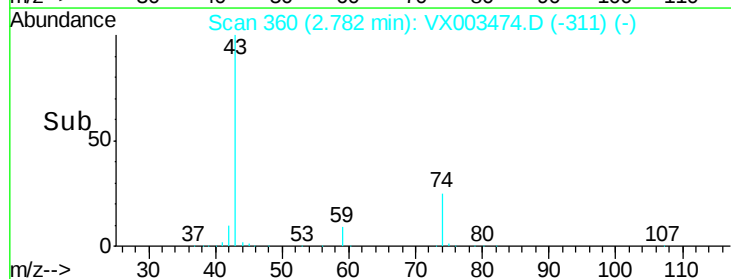
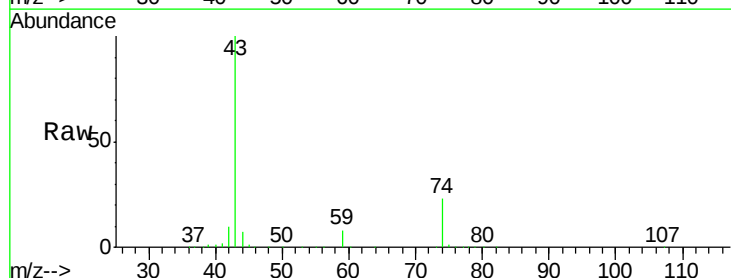
Manual Integrations
APPROVED

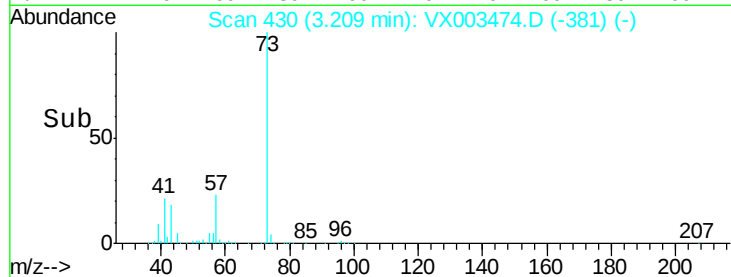
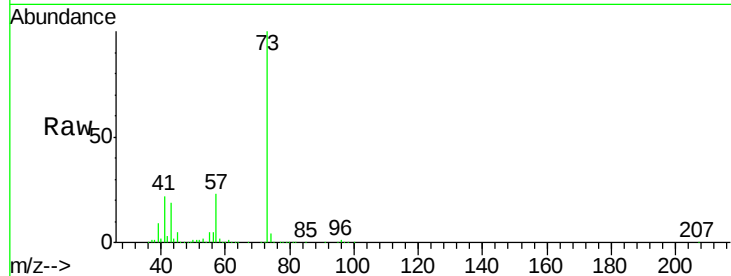
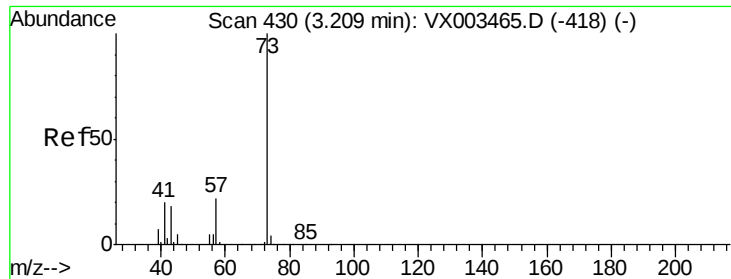
MMDadoda
7/20/2018 5:22:13 PM



#18
Methyl Acetate
Concen: 22.36 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX003474.D
Acq: 19 Jul 2018 20:35

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.9	16.7	25.1





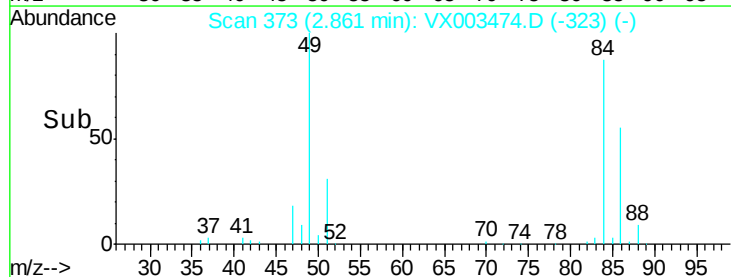
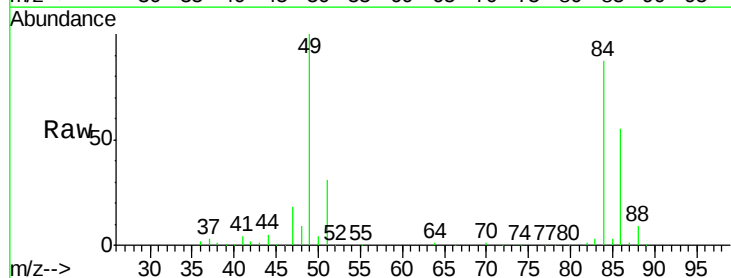
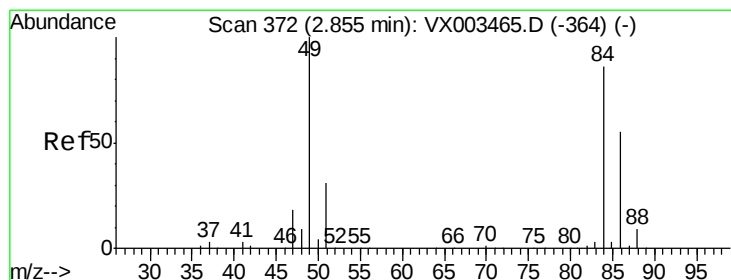
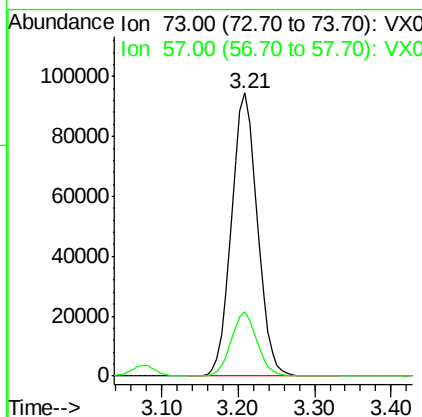
#19
Methyl tert-butyl Ether
Concen: 21.40 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.00 min
Lab File: VX003474.D
Acq: 19 Jul 2018 20:35

Tot Ion: 73 Resp: 222153
Ion Ratio Lower Upper
73 100
57 22.7 17.7 26.5

Instrument :
MSVOA_X
ClientSampleId :
VX0719WBS01

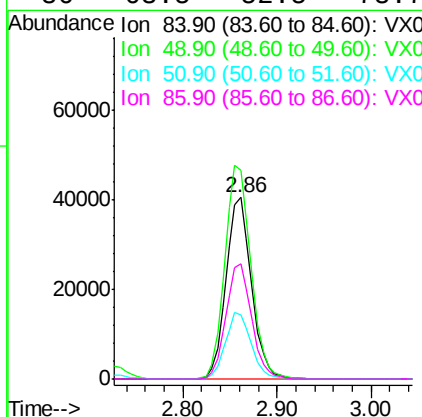
Manual Integrations
APPROVED

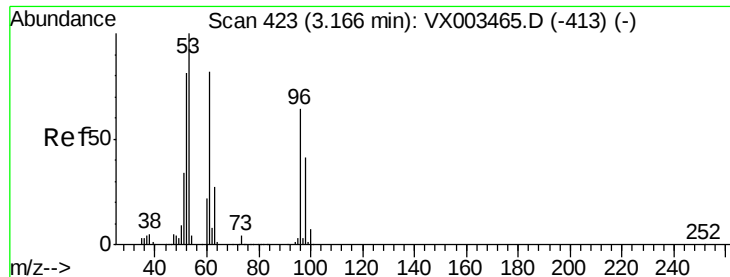
MMDadoda
7/20/2018 5:22:13 PM



#20
Methylene Chloride
Concen: 21.78 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX003474.D
Acq: 19 Jul 2018 20:35

Tgt Ion: 84 Resp: 75782
Ion Ratio Lower Upper
84 100
49 115.2 107.8 161.6
51 35.1 32.8 49.2
86 63.5 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 20.09 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX003474.D

Acq: 19 Jul 2018 20:35

Instrument :

MSVOA_X

ClientSampleId :

VX0719WBS01

Tot Ion: 96 Resp: 71048

Ion Ratio Lower Upper

96 100

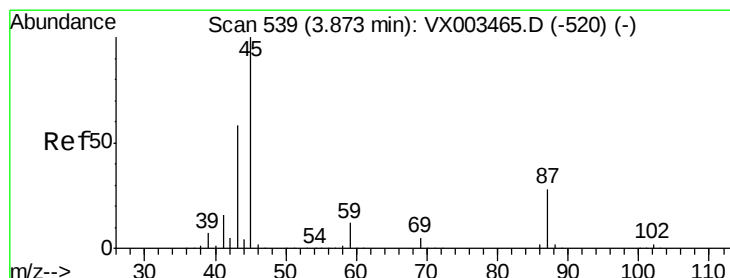
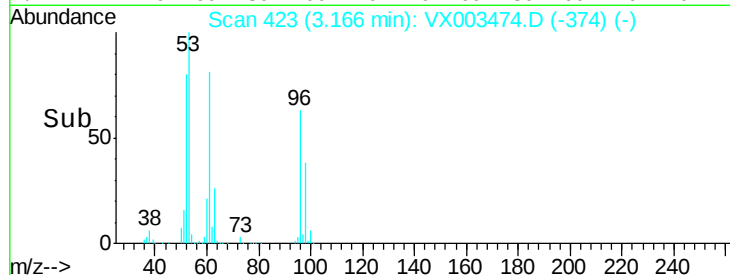
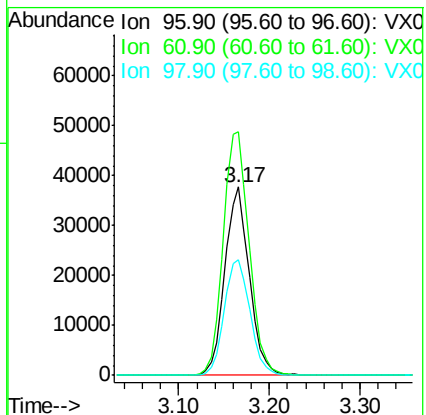
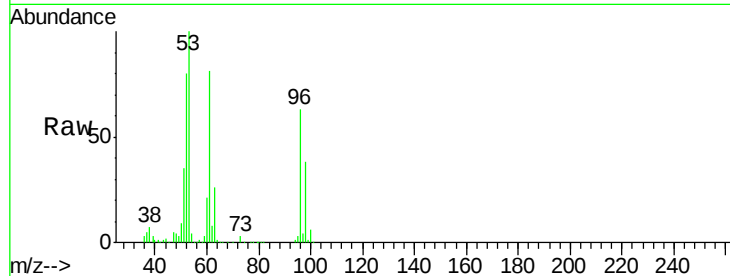
61 129.2 117.0 175.4

98 61.2 52.4 78.6

Manual Integrations
APPROVED

MMDadoda

7/20/2018 5:22:13 PM



#22

Diisopropyl ether

Concen: 21.09 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.00 min

Lab File: VX003474.D

Acq: 19 Jul 2018 20:35

Tgt Ion: 45 Resp: 223283

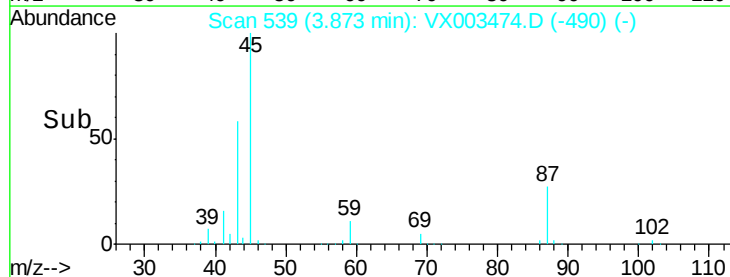
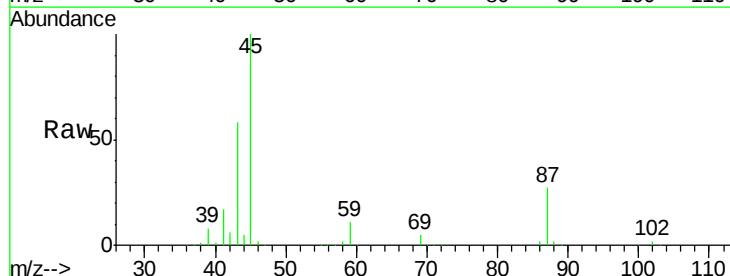
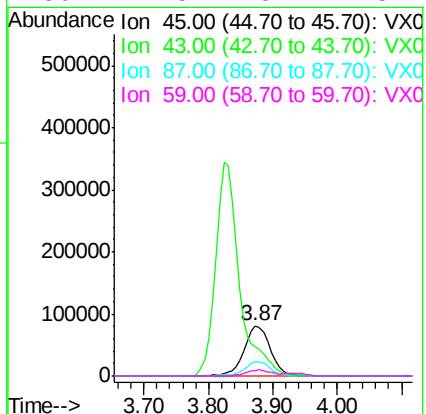
Ion Ratio Lower Upper

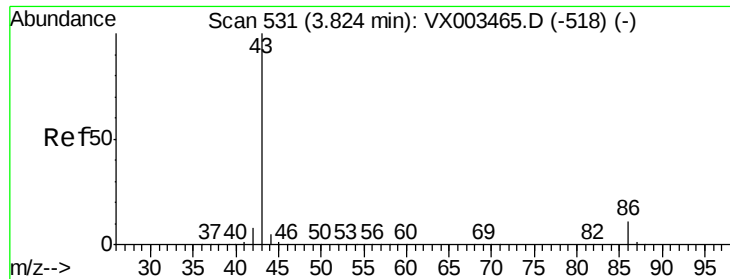
45 100

43 57.8 46.8 70.2

87 27.0 20.2 30.4

59 11.5 8.7 13.1





#23

Vinyl Acetate

Concen: 103.11 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.00 min

Lab File: VX003474.D

Acq: 19 Jul 2018 20:35

Instrument :

MSVOA_X

ClientSampleId :

VX0719WBS01

Tot Ion: 43 Resp: 899388

Ion Ratio Lower Upper

43 100

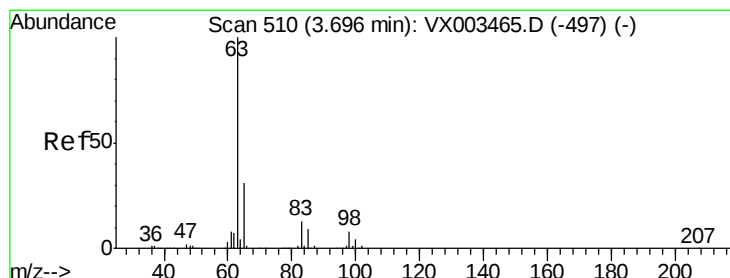
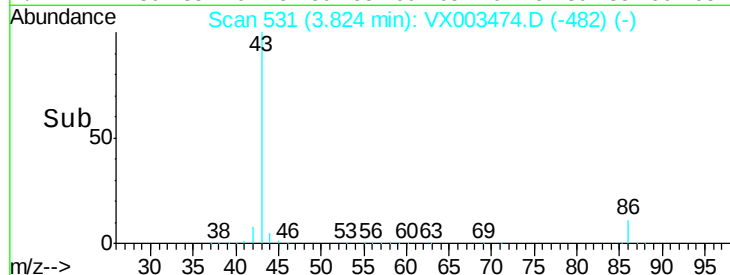
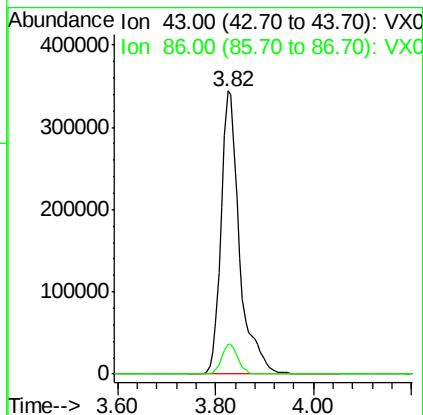
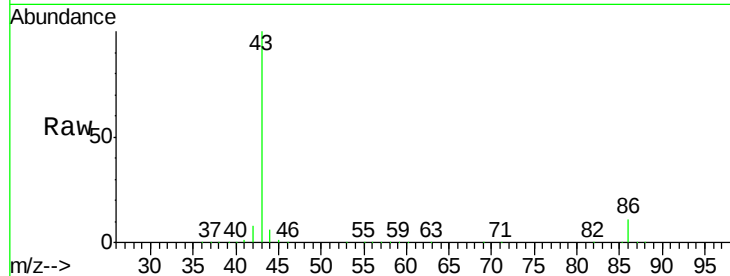
86 10.7 7.4 11.0

Manual Integrations

APPROVED

MMDadoda

7/20/2018 5:22:13 PM



#24

1,1-Dichloroethane

Concen: 20.85 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX003474.D

Acq: 19 Jul 2018 20:35

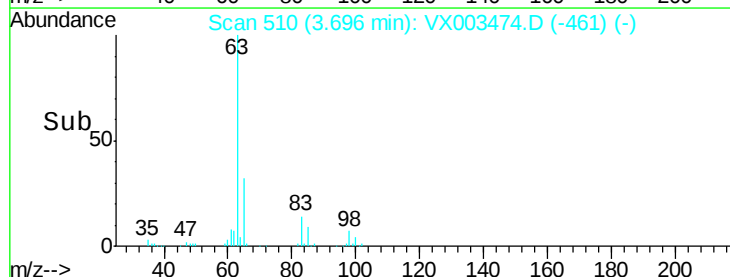
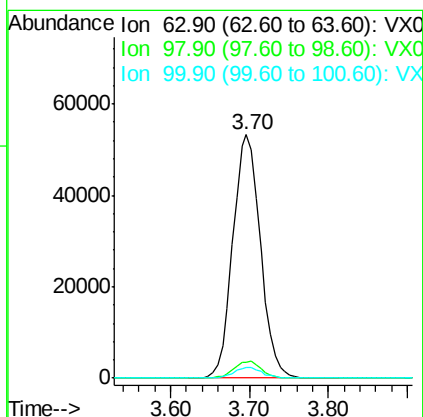
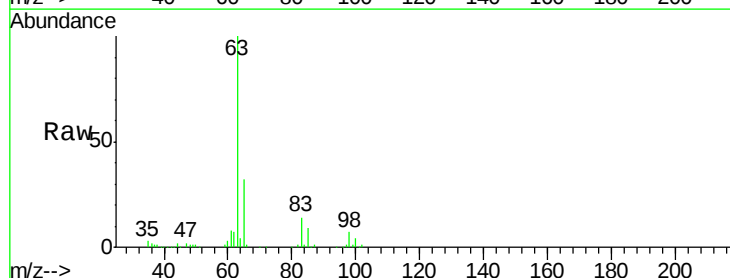
Tgt Ion: 63 Resp: 129525

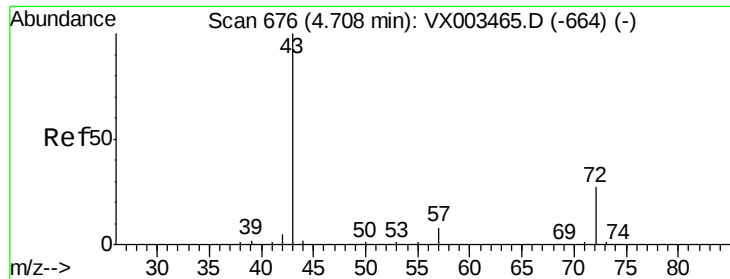
Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.2

100 4.4 2.0 6.0





#25

2-Butanone

Concen: 107.82 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX003474.D

Acq: 19 Jul 2018 20:35

Instrument :

MSVOA_X

ClientSampleId :

VX0719WBS01

Tot Ion: 43 Resp: 251751

Ion Ratio Lower Upper

43 100

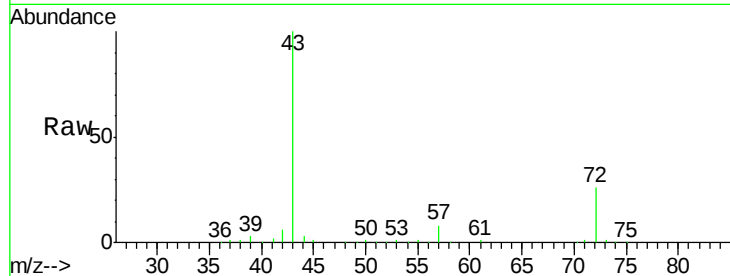
72 26.4 18.5 27.7

Manual Integrations

APPROVED

MMDadoda

7/20/2018 5:22:13 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.71

80000

60000

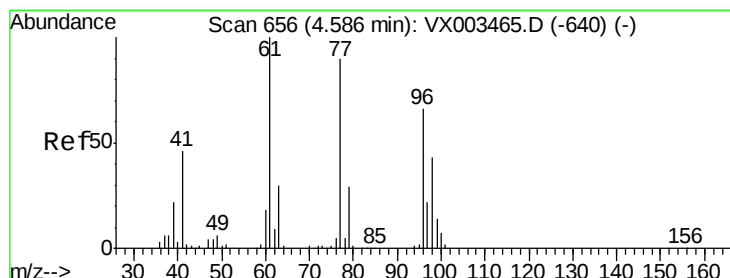
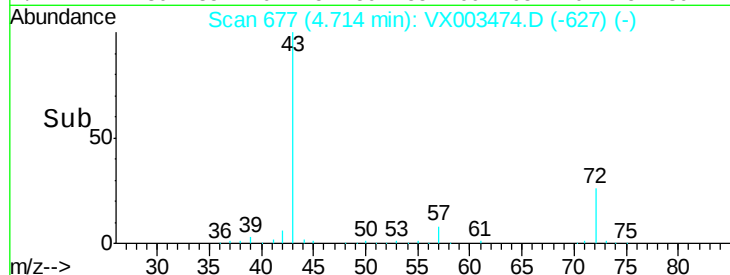
40000

20000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 18.64 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX003474.D

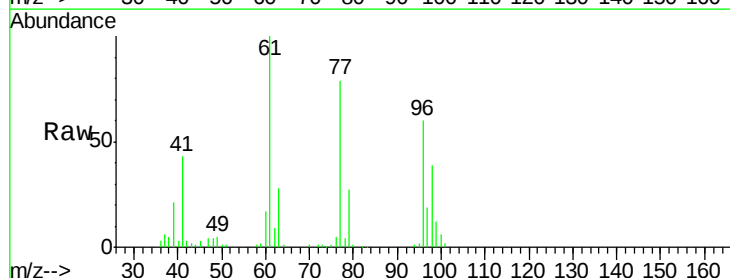
Acq: 19 Jul 2018 20:35

Tgt Ion: 77 Resp: 87937

Ion Ratio Lower Upper

77 100

97 24.7 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.59

30000

25000

20000

15000

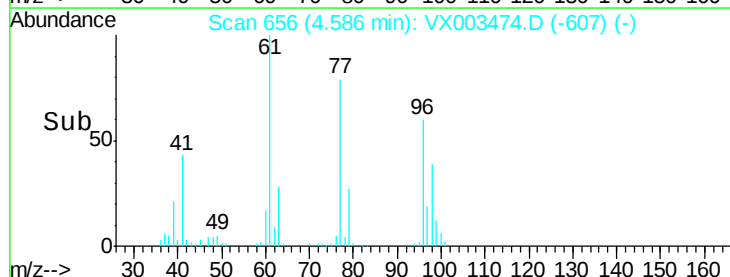
10000

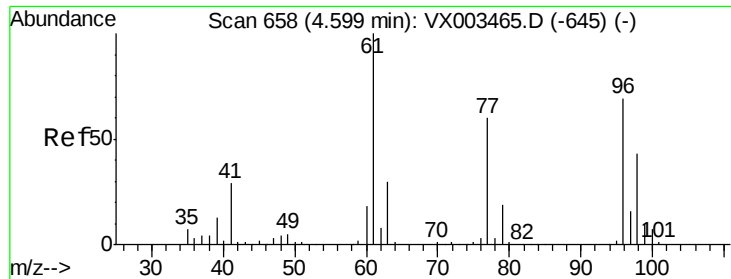
5000

0

4.40 4.50 4.60 4.70

Time-->





#27

cis-1,2-Dichloroethene

Concen: 19.98 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX003474.D

Acq: 19 Jul 2018 20:35

Instrument :

MSVOA_X

ClientSampleId :

VX0719WBS01

Tot Ion: 96 Resp: 78674

Ion Ratio Lower Upper

96 100

61 182.4 0.0 330.2

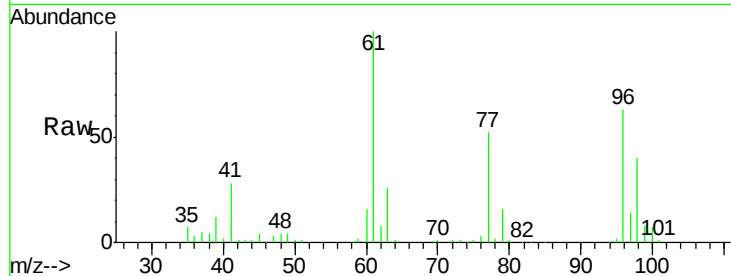
98 64.1 0.0 130.2

Manual Integrations

APPROVED

MMDadoda

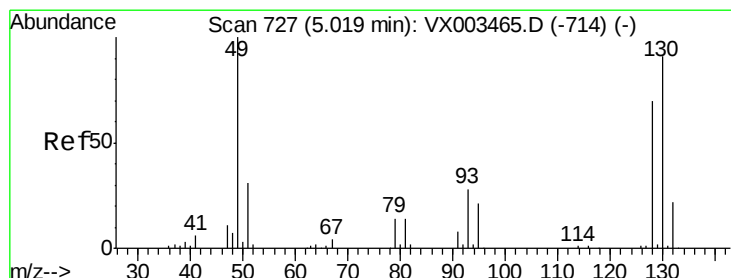
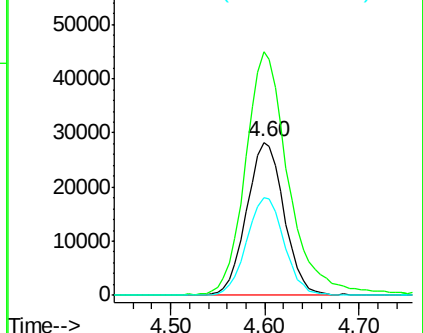
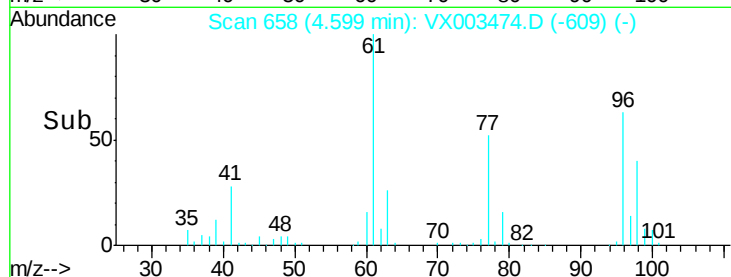
7/20/2018 5:22:13 PM



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane

Concen: 22.42 ug/l

RT: 5.03 min Scan# 728

Delta R.T. 0.01 min

Lab File: VX003474.D

Acq: 19 Jul 2018 20:35

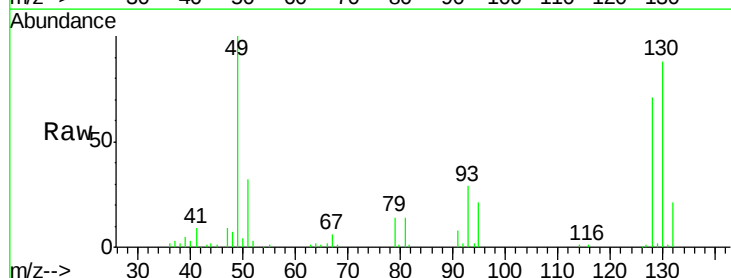
Tgt Ion: 49 Resp: 60880

Ion Ratio Lower Upper

49 100

129 2.3 0.0 4.2

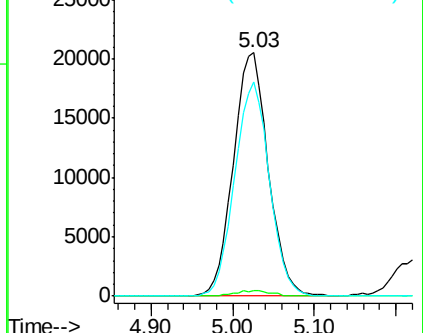
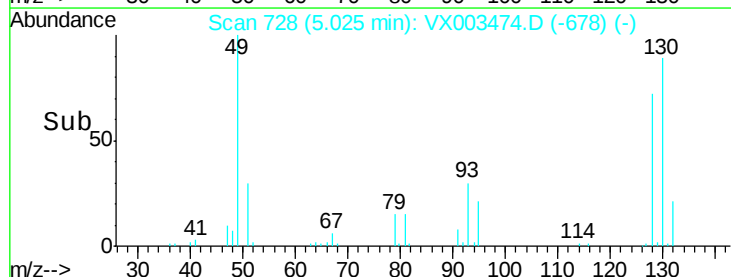
130 87.5 61.2 91.8

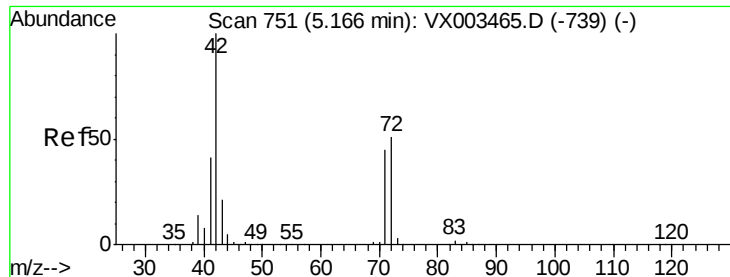


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 106.07 ug/l

RT: 5.17 min Scan# 751

Delta R.T. -0.00 min

Lab File: VX003474.D

Acq: 19 Jul 2018 20:35

Instrument :

MSVOA_X

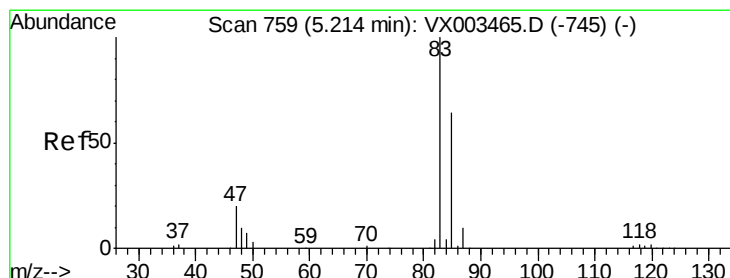
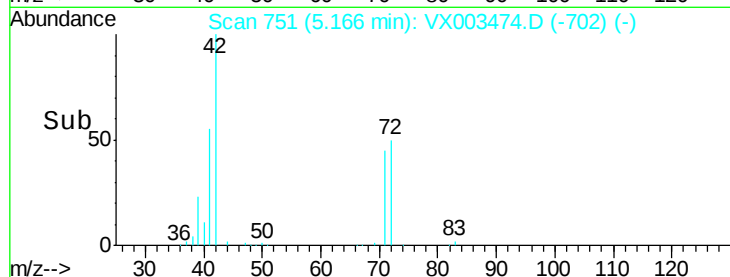
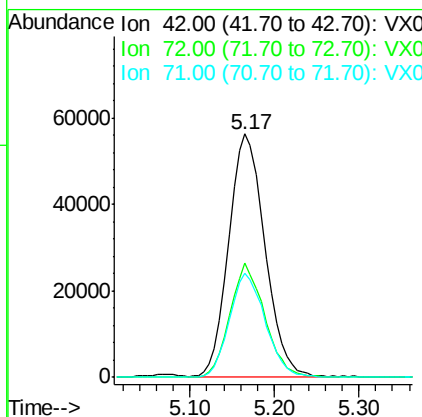
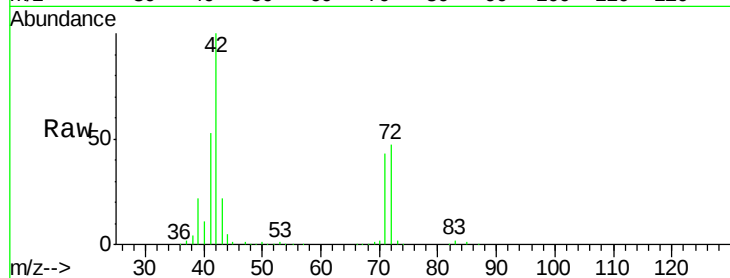
ClientSampleId :

VX0719WBS01

Tot Ion:	42	Resp:	163599
Ion	Ratio	Lower	Upper
42	100		
72	45.5	32.0	48.0
71	42.4	30.1	45.1

Manual Integrations
APPROVED

MMDadoda
7/20/2018 5:22:13 PM



#30

Chloroform

Concen: 20.71 ug/l

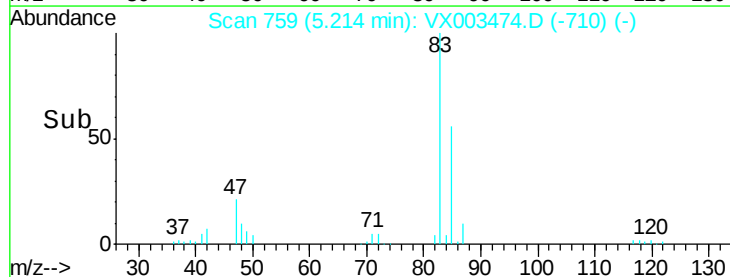
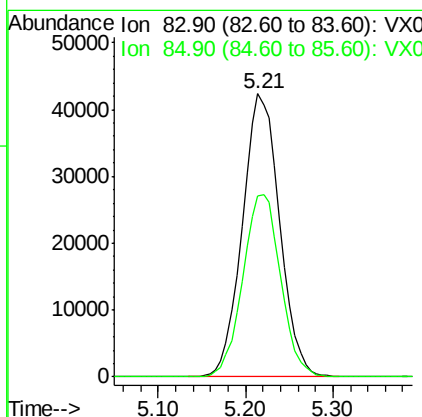
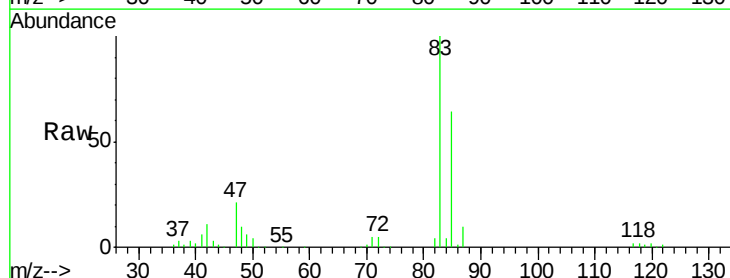
RT: 5.21 min Scan# 759

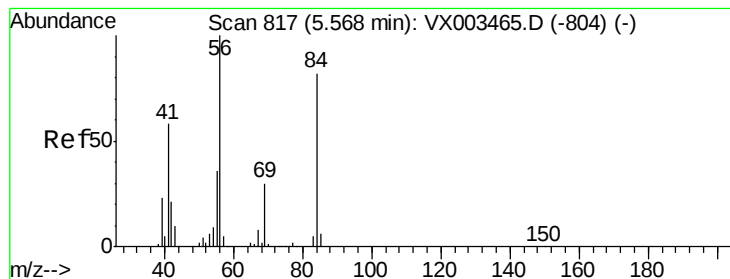
Delta R.T. -0.00 min

Lab File: VX003474.D

Acq: 19 Jul 2018 20:35

Tgt Ion:	83	Resp:	125654
Ion	Ratio	Lower	Upper
83	100		
85	63.9	50.4	75.6





#31

Cyclohexane

Concen: 19.95 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VX003474.D

Acq: 19 Jul 2018 20:35

Instrument :

MSVOA_X

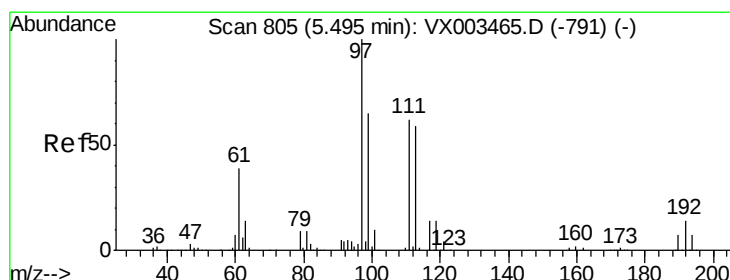
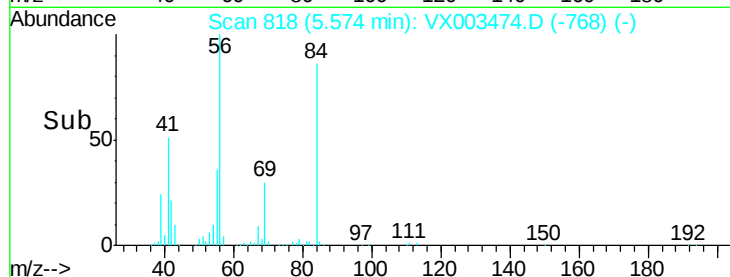
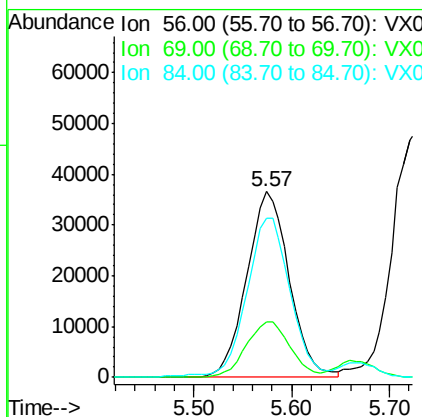
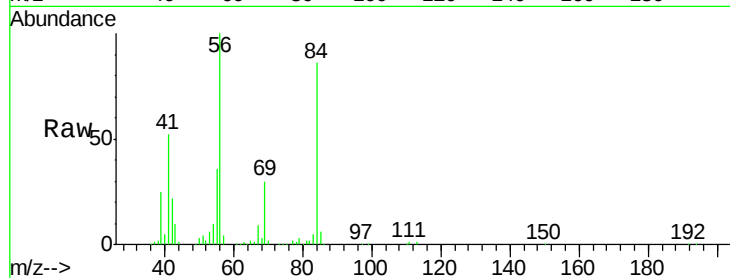
ClientSampleId :

VX0719WBS01

Tot Ion:	56	Resp:	110745
Ion	Ratio	Lower	Upper
56	100		
69	30.2	23.7	35.5
84	84.2	64.1	96.1

Manual Integrations
APPROVED

MMDadoda
7/20/2018 5:22:13 PM



#32

1,1,1-Trichloroethane

Concen: 20.75 ug/l

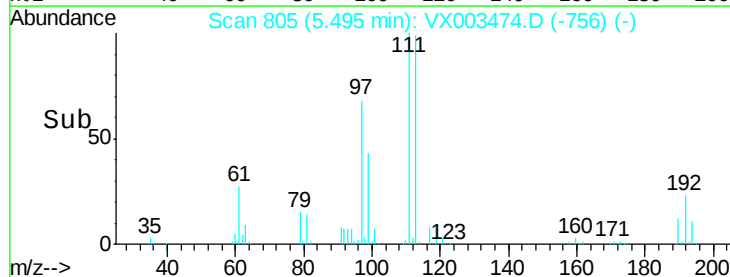
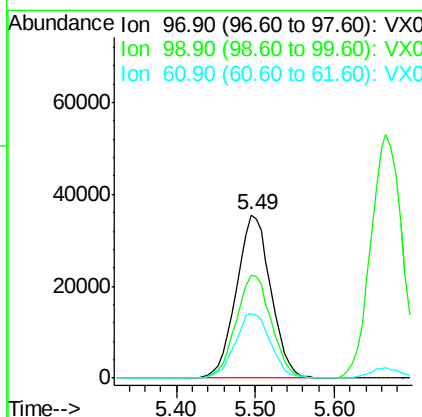
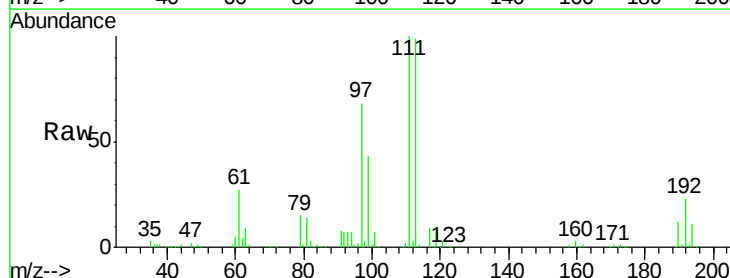
RT: 5.49 min Scan# 805

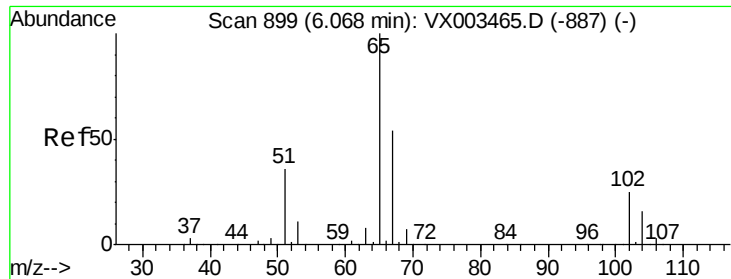
Delta R.T. -0.00 min

Lab File: VX003474.D

Acq: 19 Jul 2018 20:35

Tgt Ion:	97	Resp:	107812
Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.6	77.4
61	41.1	36.4	54.6





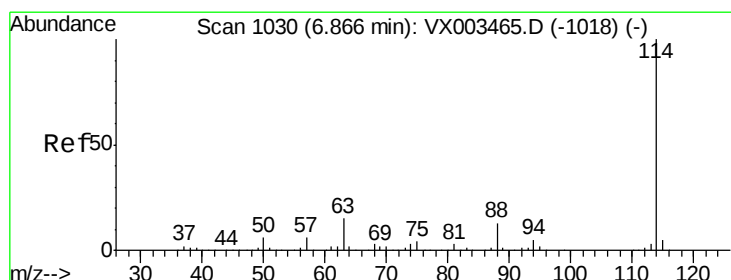
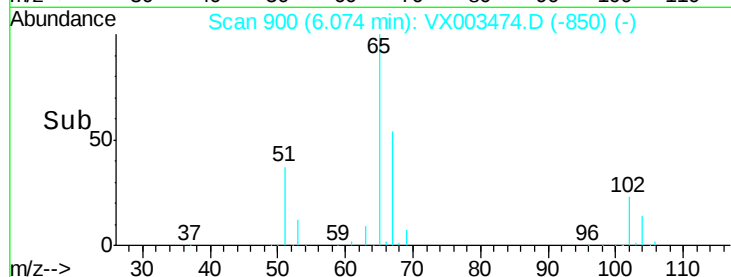
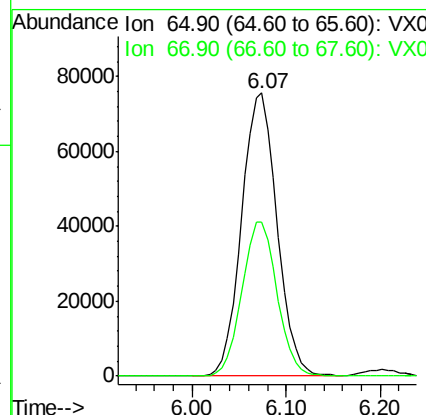
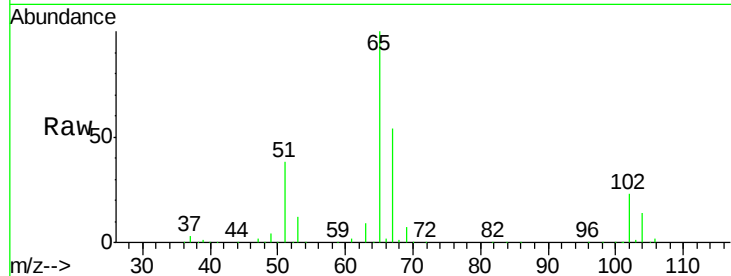
#33
 1,2-Dichloroethane-d4
 Concen: 54.00 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003474.D
 Acq: 19 Jul 2018 20:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0719WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	198943		
67	54.3	0.0	102.6	

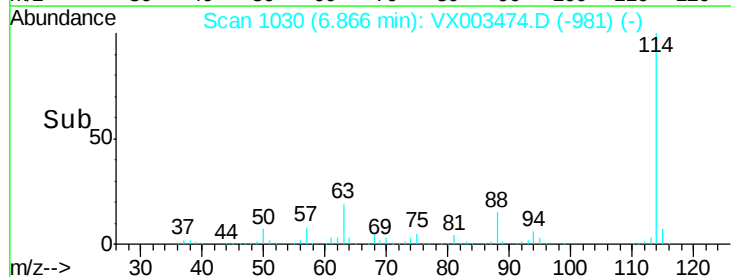
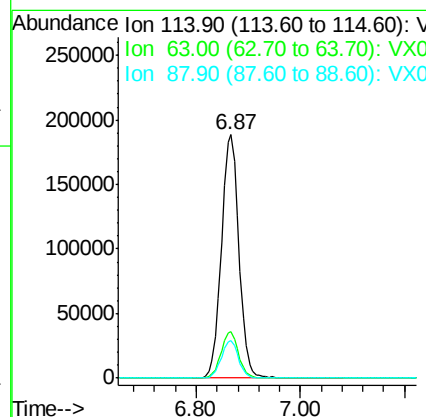
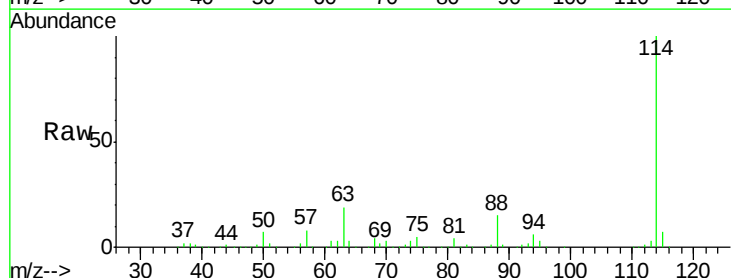
Manual Integrations
 APPROVED

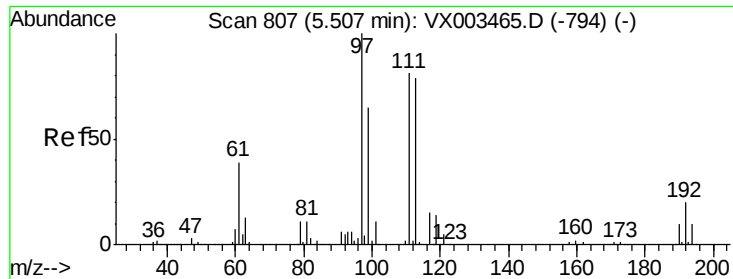
MMDadoda
 7/20/2018 5:22:13 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003474.D
 Acq: 19 Jul 2018 20:35

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	446112		
63	19.0	0.0	41.4	
88	15.4	0.0	30.0	





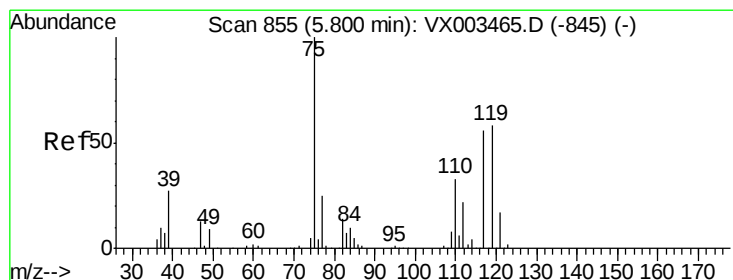
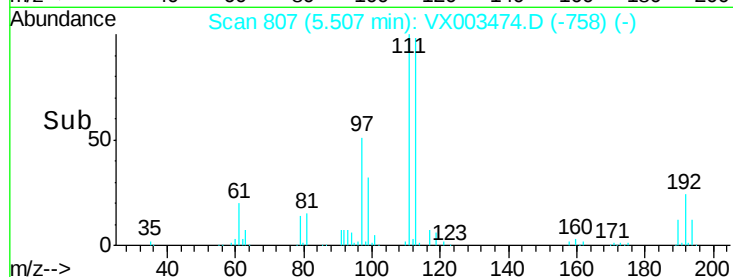
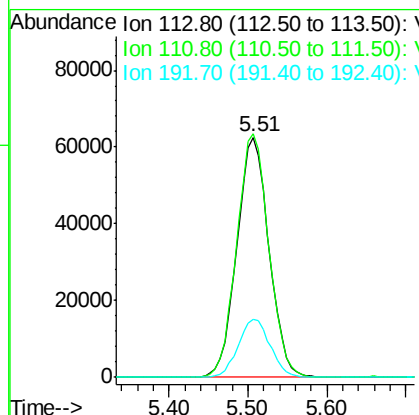
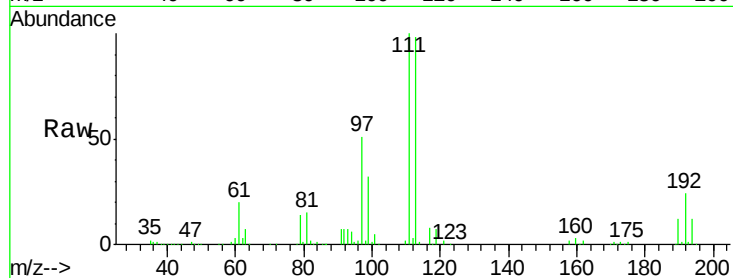
#35
Dibromofluoromethane
Concen: 52.00 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.00 min
Lab File: VX003474.D
Acq: 19 Jul 2018 20:35

Instrument :
MSVOA_X
ClientSampleId :
VX0719WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	176692		
111	101.7	81.4	122.0	
192	24.1	19.1	28.7	

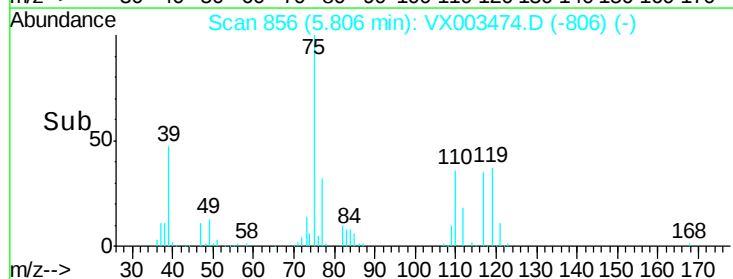
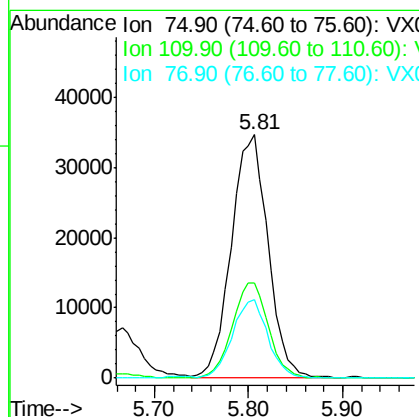
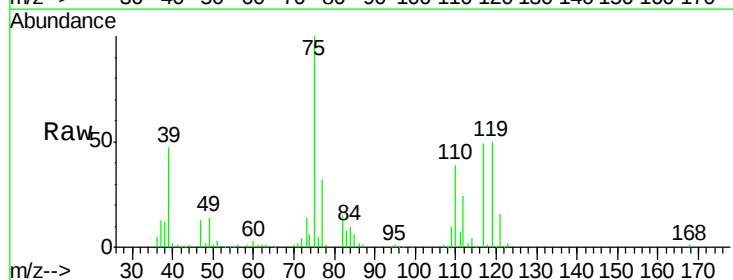
Manual Integrations
APPROVED

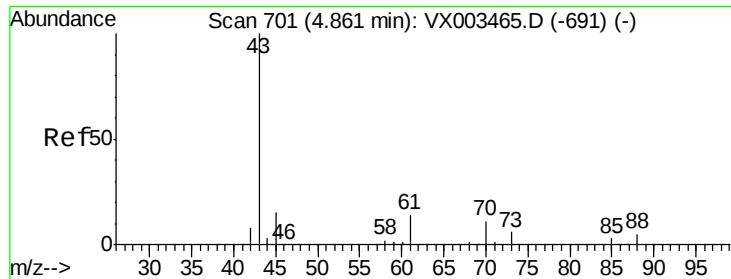
MMDadoda
7/20/2018 5:22:13 PM



#36
1,1-Dichloropropene
Concen: 19.39 ug/l
RT: 5.81 min Scan# 856
Delta R.T. 0.01 min
Lab File: VX003474.D
Acq: 19 Jul 2018 20:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	93406		
110	38.7	18.1	54.4	
77	31.6	24.3	36.5	





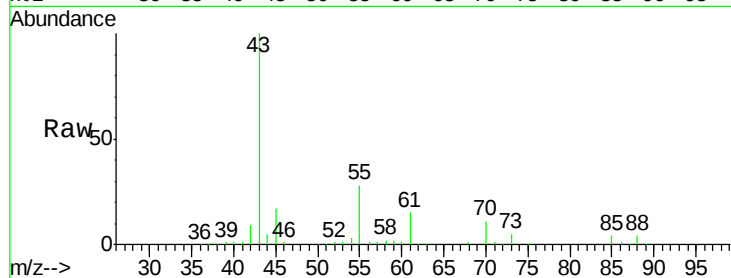
#37
Ethyl Acetate
Concen: 21.08 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.01 min
Lab File: VX003474.D
Acq: 19 Jul 2018 20:35

Instrument :
MSVOA_X
ClientSampleId :
VX0719WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	10.4	15.6
70	11.0	7.6	11.4

Manual Integrations
APPROVED

MMDadoda
7/20/2018 5:22:13 PM



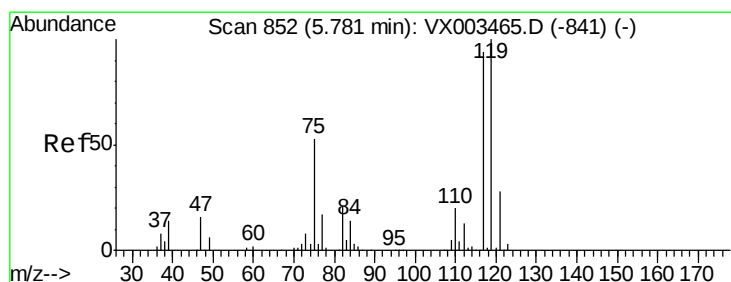
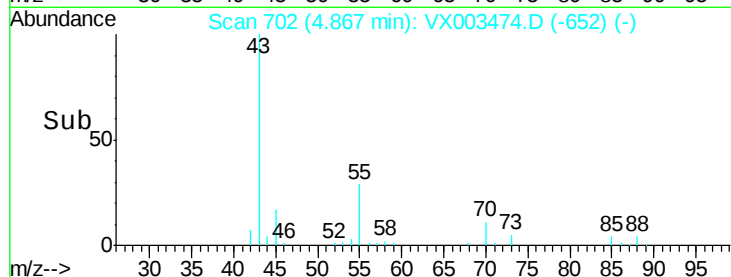
Abundance

Ion 43.00 (42.70 to 43.70): VX003465.D (-691) (-)

Ion 60.90 (60.60 to 61.60): VX003465.D (-691) (-)

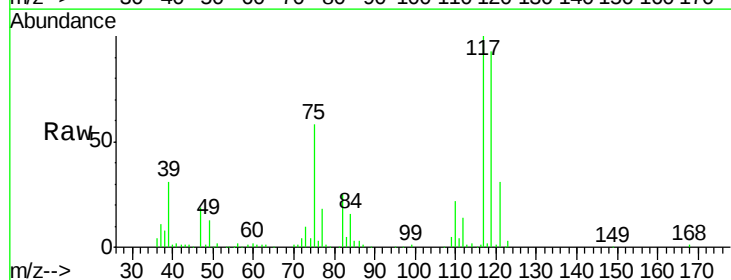
Ion 70.00 (69.70 to 70.70): VX003465.D (-691) (-)

Time-->



#38
Carbon Tetrachloride
Concen: 19.74 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.00 min
Lab File: VX003474.D
Acq: 19 Jul 2018 20:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.4	77.4	116.0
121	31.2	24.4	36.6



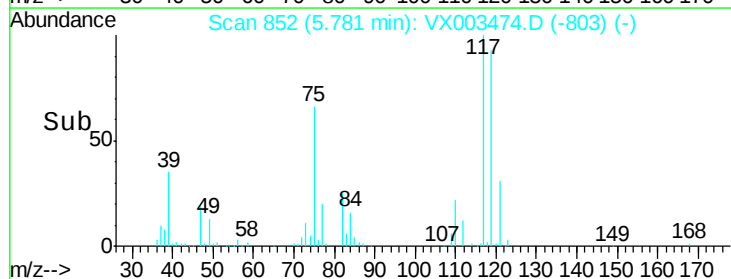
Abundance

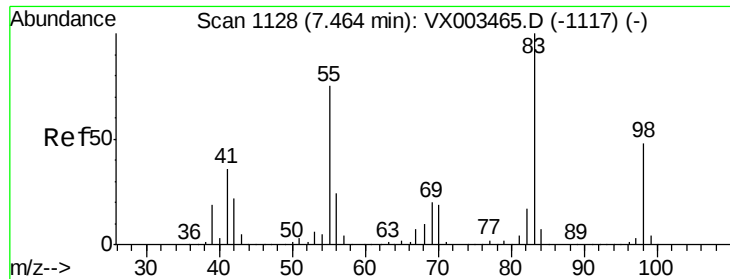
Ion 116.80 (116.50 to 117.50): VX003465.D (-841) (-)

Ion 118.80 (118.50 to 119.50): VX003465.D (-841) (-)

Ion 120.80 (120.50 to 121.50): VX003465.D (-841) (-)

Time-->





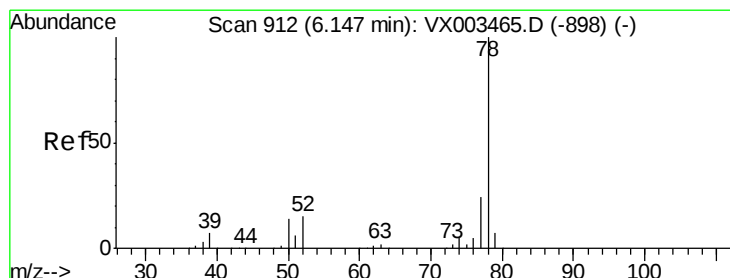
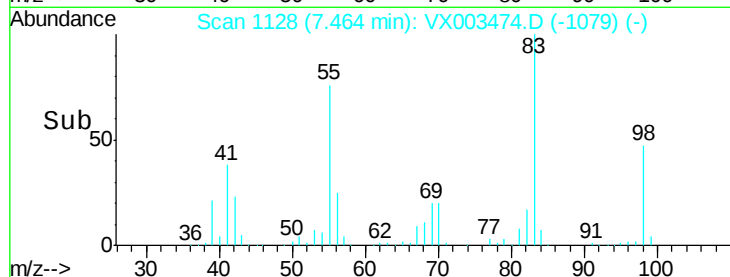
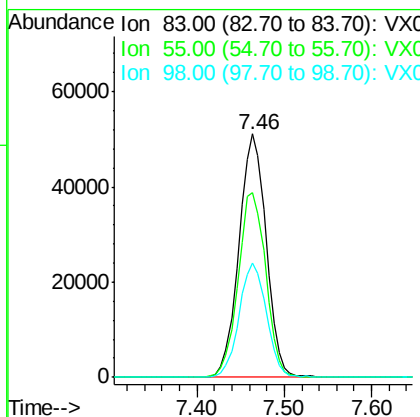
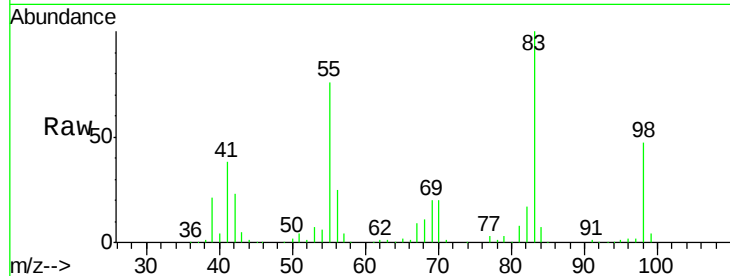
#39
Methvlcvclohexane
Concen: 19.36 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX003474.D
Acq: 19 Jul 2018 20:35

Instrument :
MSVOA_X
ClientSampleId :
VX0719WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	75.8	65.4	98.0	
98	47.0	37.4	56.0	

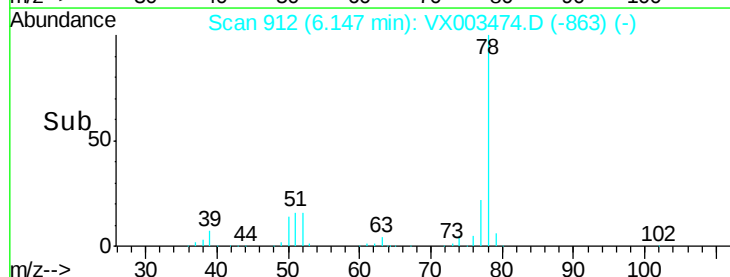
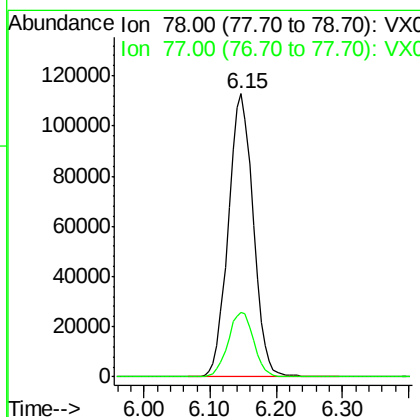
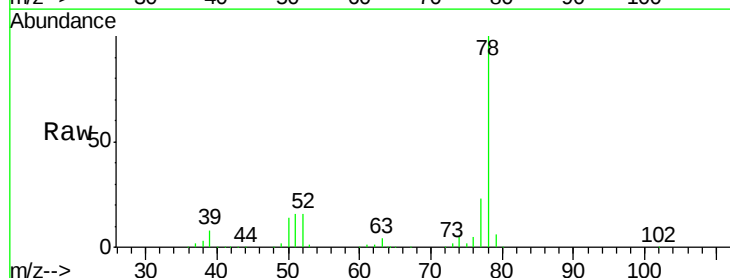
Manual Integrations
APPROVED

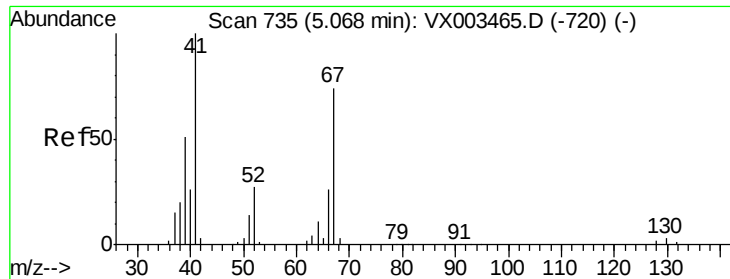
MMDadoda
7/20/2018 5:22:13 PM



#40
Benzene
Concen: 20.26 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX003474.D
Acq: 19 Jul 2018 20:35

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	22.7	19.1	28.7	





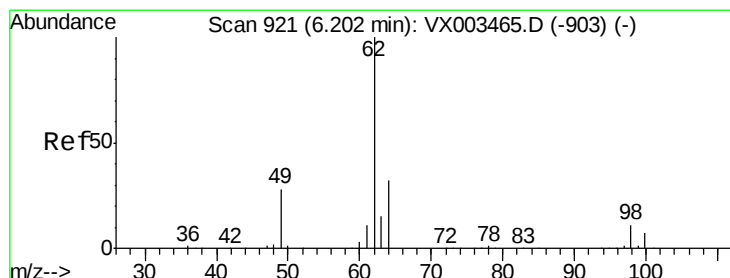
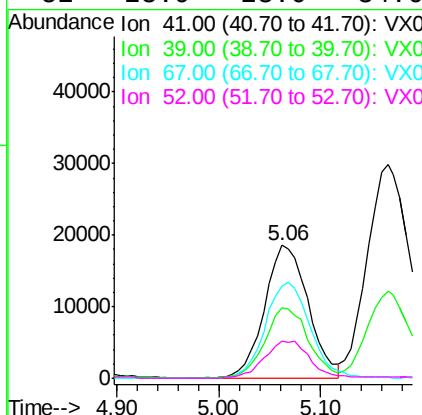
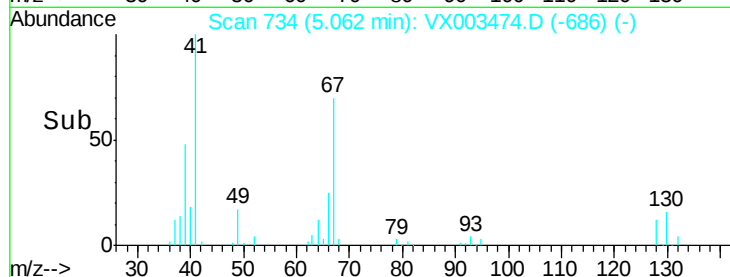
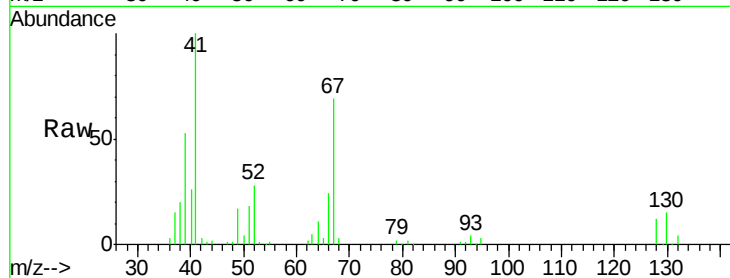
#41
Methacrylonitrile
Concen: 20.67 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX003474.D
Acq: 19 Jul 2018 20:35

Instrument :
MSVOA_X
ClientSampleId :
VX0719WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.0	45.8	68.6	
67	73.6	51.3	76.9	
52	28.9	23.0	34.6	

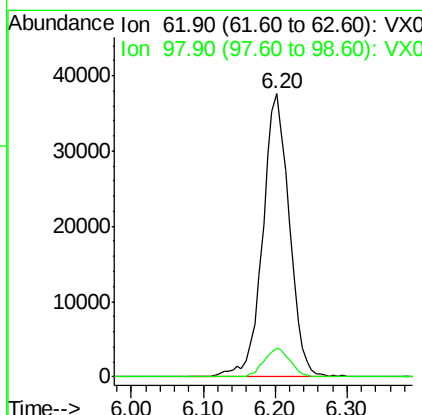
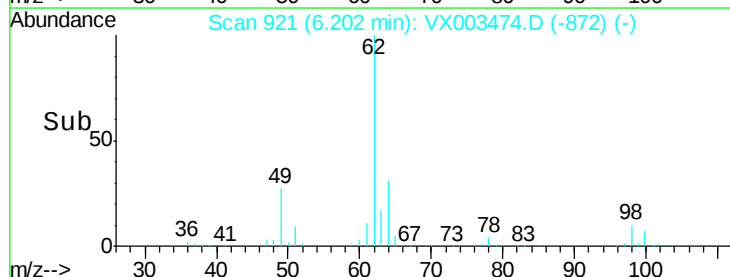
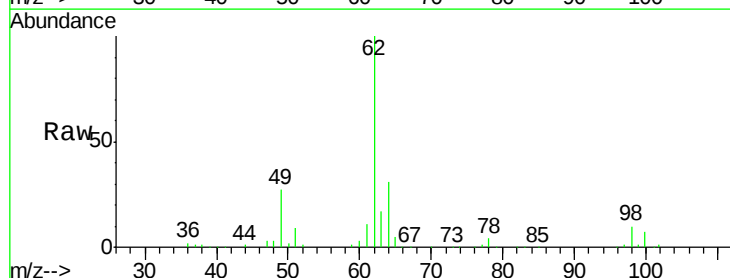
Manual Integrations
APPROVED

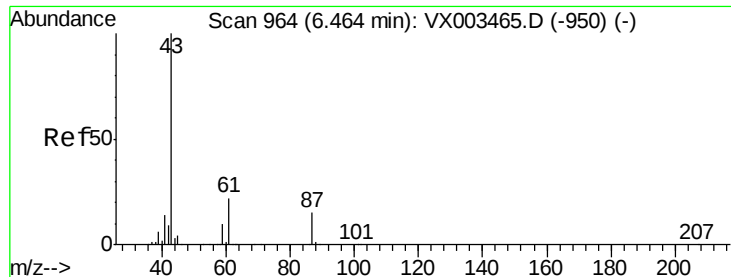
MMDadoda
7/20/2018 5:22:13 PM



#42
1,2-Dichloroethane
Concen: 21.05 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX003474.D
Acq: 19 Jul 2018 20:35

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.0	0.0	16.6	





#43

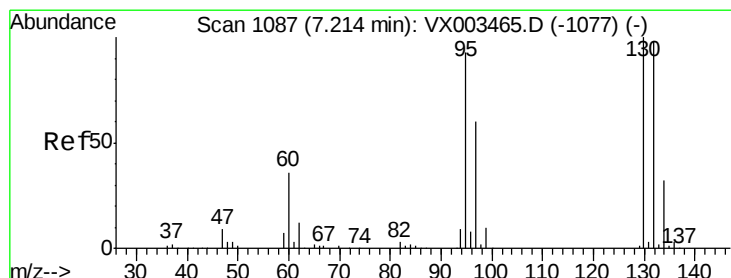
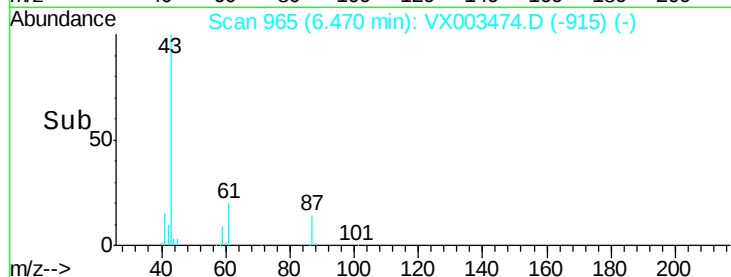
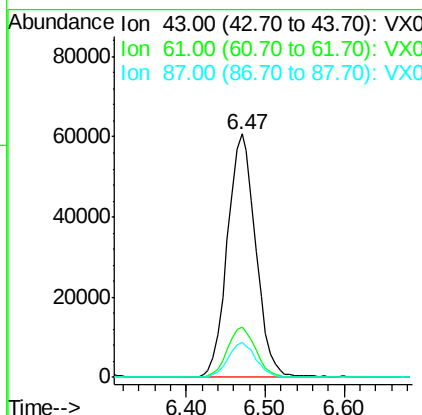
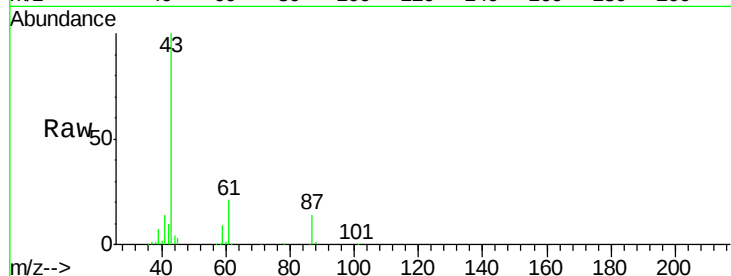
Isopropyl Acetate
 Concen: 20.83 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. 0.01 min
 Lab File: VX003474.D
 Acq: 19 Jul 2018 20:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0719WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.9	14.4	21.6
87	14.2	9.5	14.3

Manual Integrations
 APPROVED

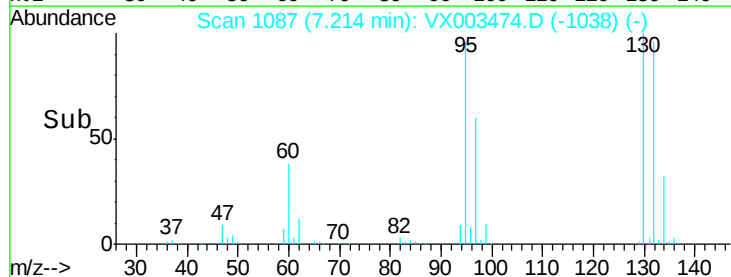
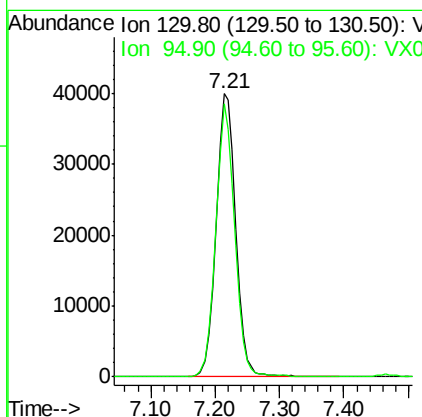
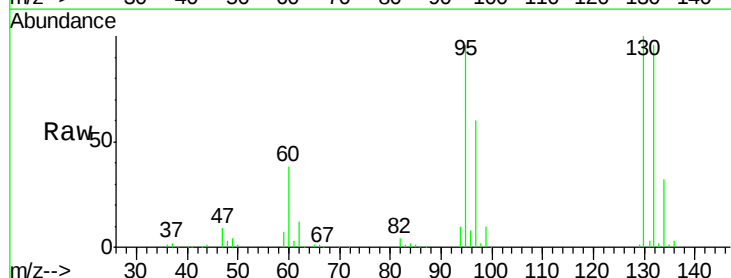
MMDadoda
 7/20/2018 5:22:13 PM

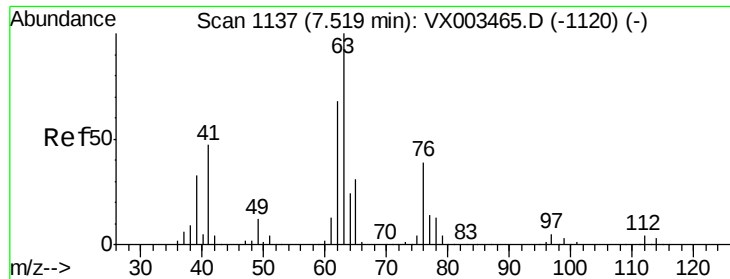


#44

Trichloroethene
 Concen: 19.79 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX003474.D
 Acq: 19 Jul 2018 20:35

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.3	0.0	185.4





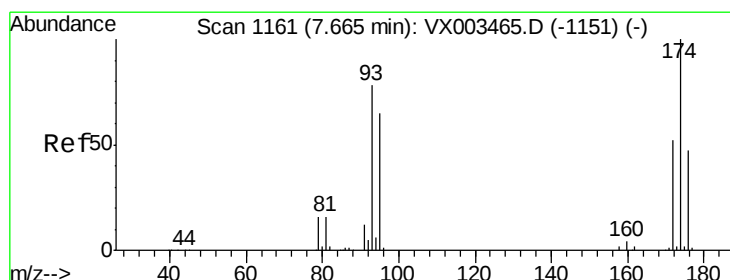
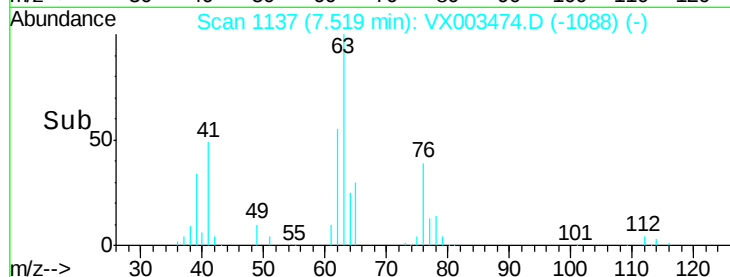
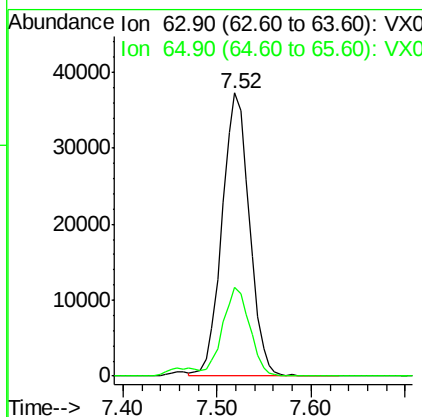
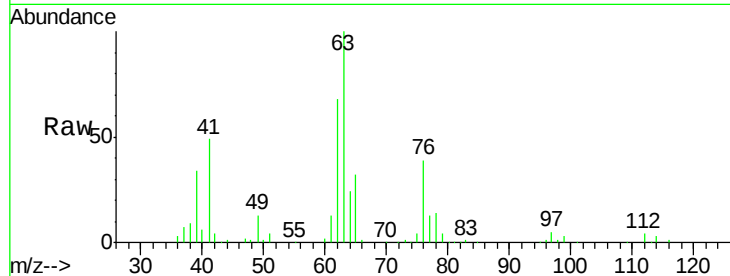
#45
 1,2-Dichloropropane
 Concen: 20.36 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX003474.D
 Acq: 19 Jul 2018 20:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0719WBS01

Tot Ion: 63 Resp: 75186
 Ion Ratio Lower Upper
 63 100
 65 31.6 24.7 37.1

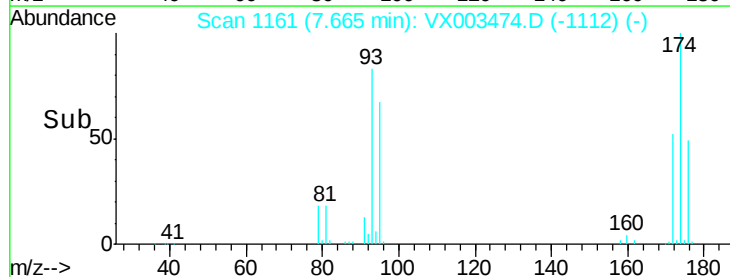
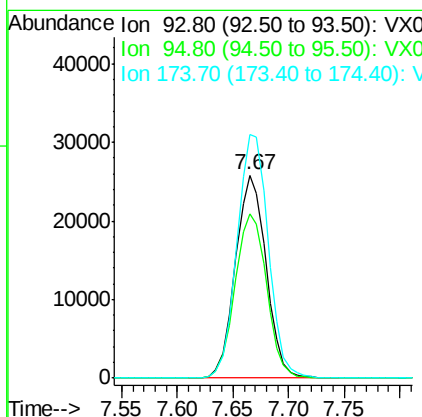
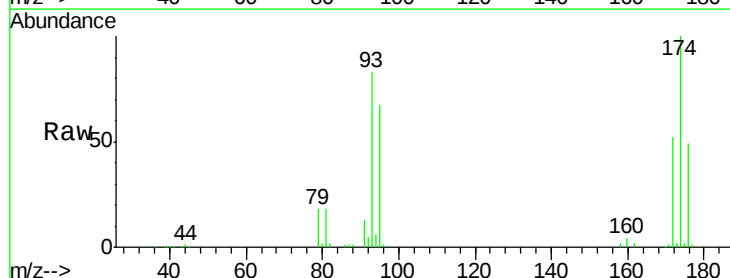
Manual Integrations
 APPROVED

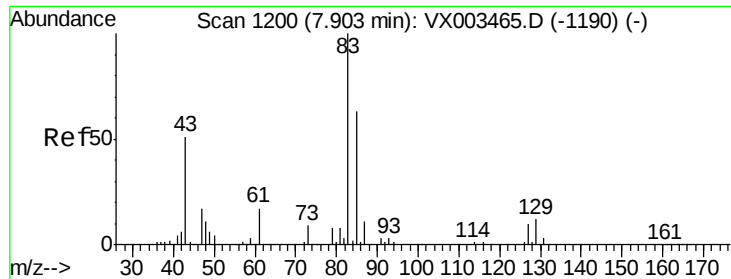
MMDadoda
 7/20/2018 5:22:13 PM



#46
 Dibromomethane
 Concen: 20.76 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX003474.D
 Acq: 19 Jul 2018 20:35

Tgt Ion: 93 Resp: 49346
 Ion Ratio Lower Upper
 93 100
 95 83.3 65.9 98.9
 174 122.6 92.4 138.6





#47

Bromodichloromethane

Concen: 20.57 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX003474.D

Acq: 19 Jul 2018 20:35

Instrument :

MSVOA_X

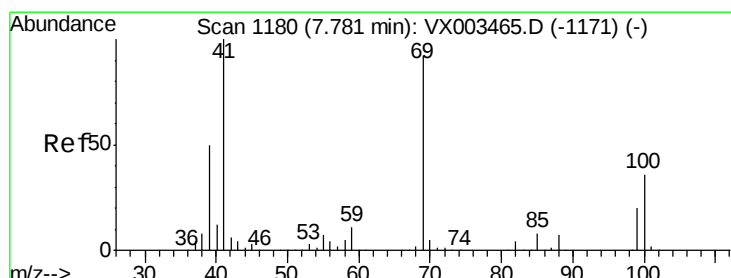
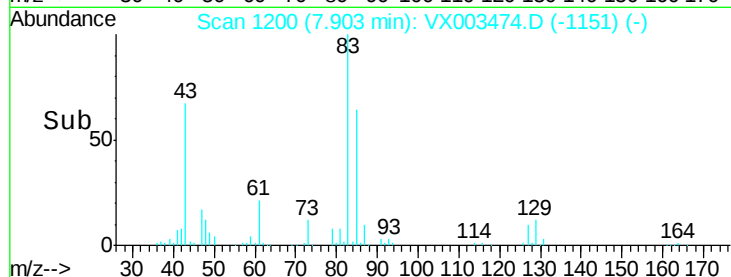
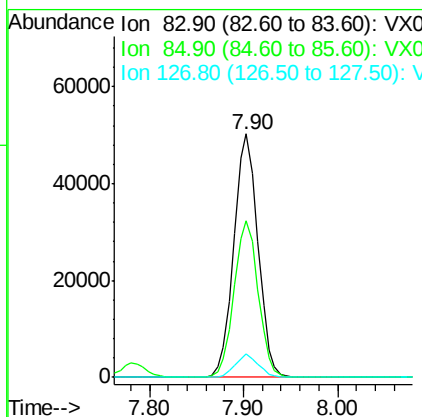
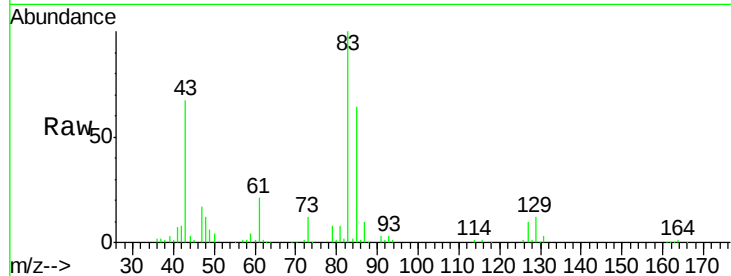
ClientSampleId :

VX0719WBS01

Tot Ion:	83	Resp:	89512
Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.3	75.5
127	9.9	7.0	10.4

Manual Integrations
APPROVED

MMDadoda
7/20/2018 5:22:13 PM



#48

Methyl methacrylate

Concen: 21.01 ug/l

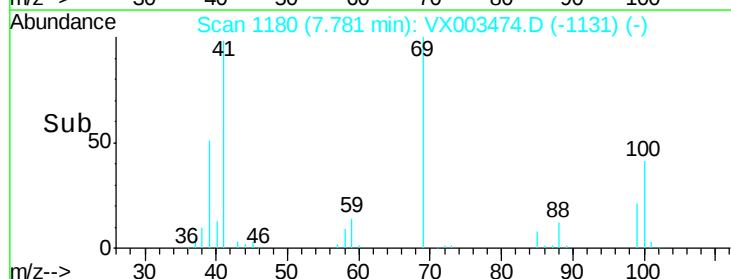
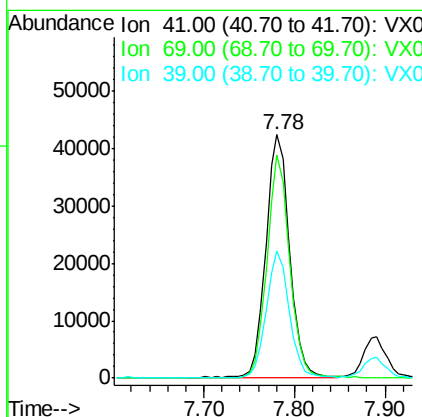
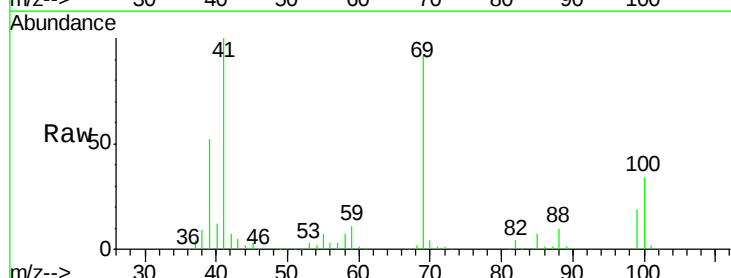
RT: 7.78 min Scan# 1180

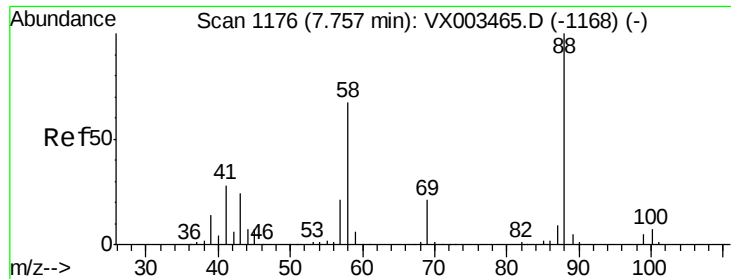
Delta R.T. -0.00 min

Lab File: VX003474.D

Acq: 19 Jul 2018 20:35

Tgt Ion:	41	Resp:	76816
Ion	Ratio	Lower	Upper
41	100		
69	88.2	59.1	88.7
39	50.3	48.9	73.3





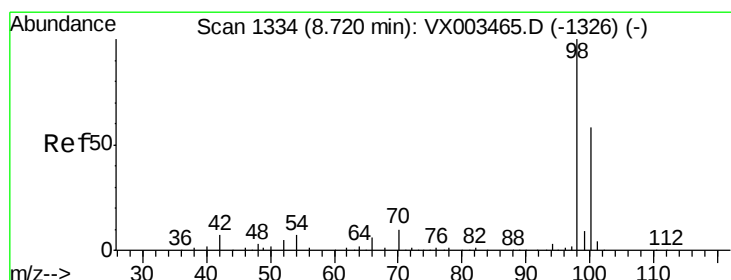
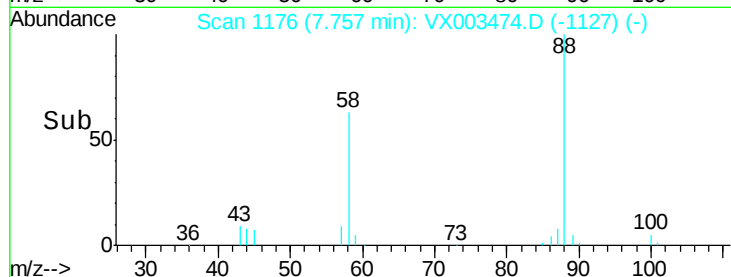
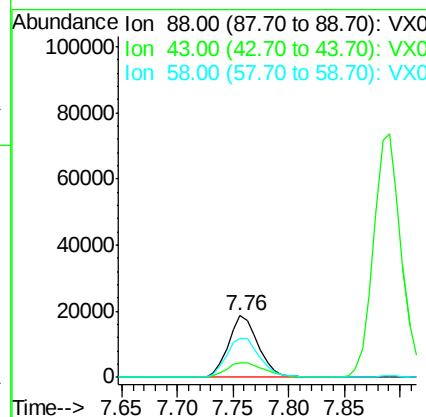
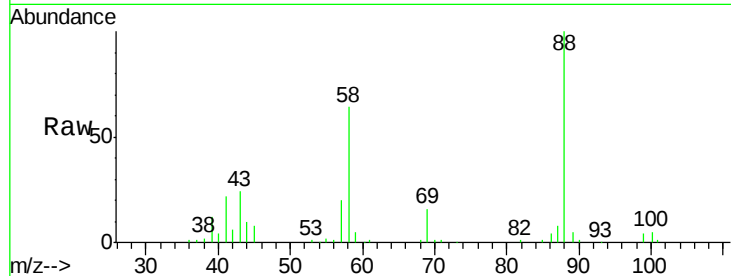
#49
1,4-Dioxane
Concen: 419.83 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX003474.D
Acq: 19 Jul 2018 20:35

Instrument :
MSVOA_X
ClientSampleId :
VX0719WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.2	29.8	44.6
58	70.7	57.1	85.7

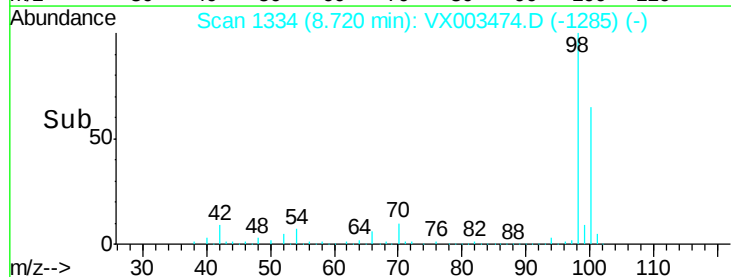
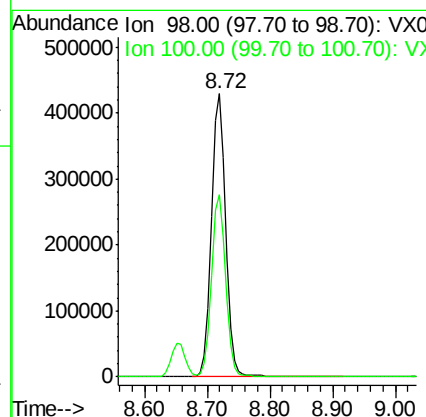
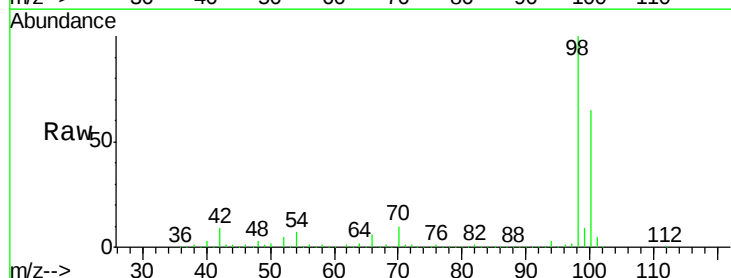
Manual Integrations
APPROVED

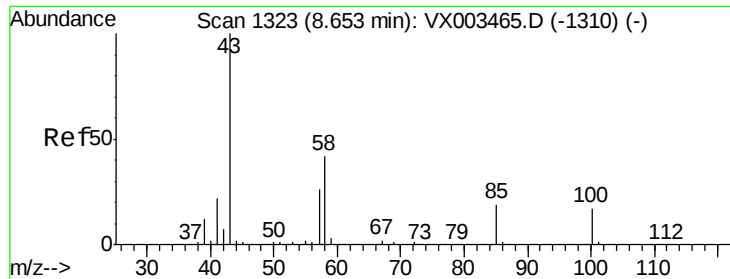
MMDadoda
7/20/2018 5:22:13 PM



#50
Toluene-d8
Concen: 52.74 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003474.D
Acq: 19 Jul 2018 20:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	50.9	76.3





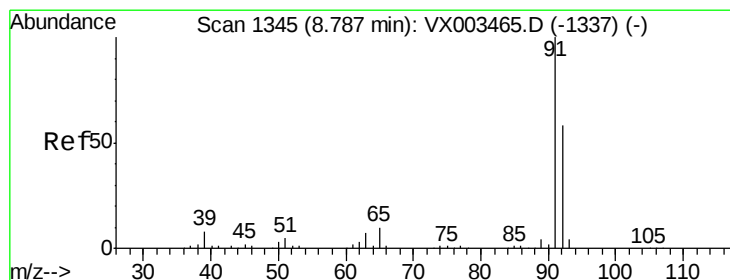
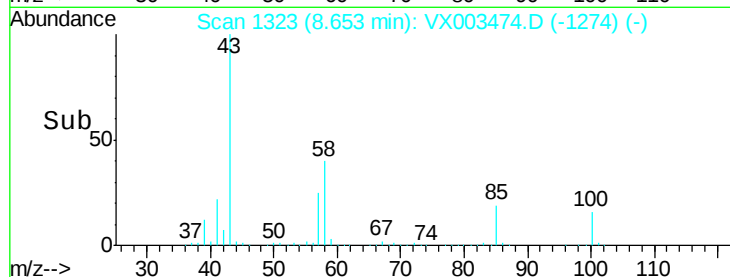
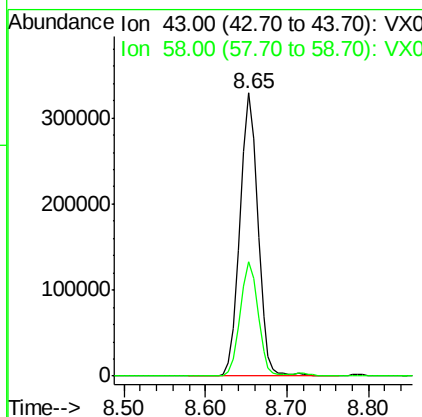
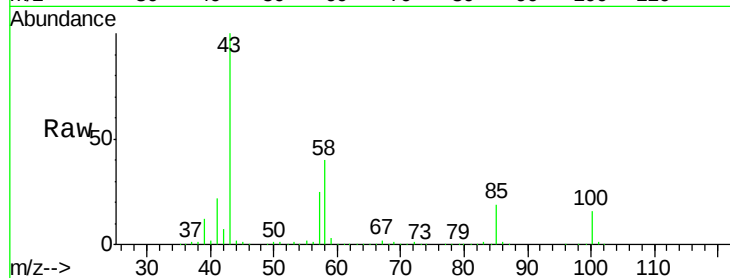
#51
4-Methyl-2-Pentanone
Concen: 109.41 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.00 min
Lab File: VX003474.D
Acq: 19 Jul 2018 20:35

Instrument :
MSVOA_X
ClientSampleId :
VX0719WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.9	28.6	42.8

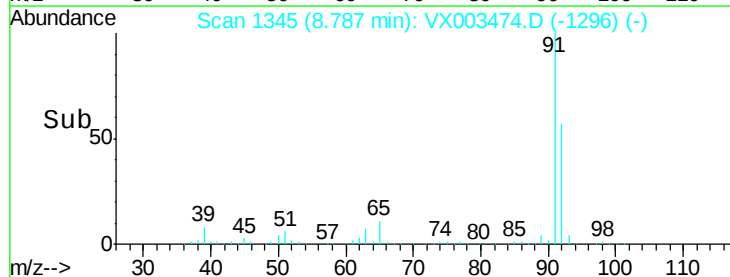
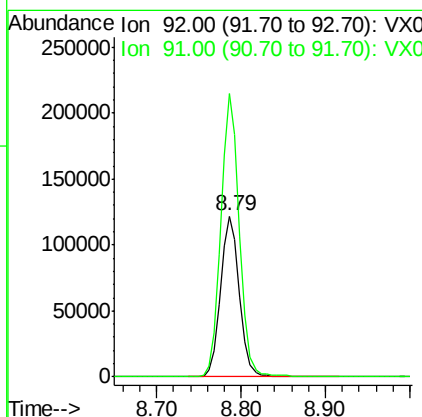
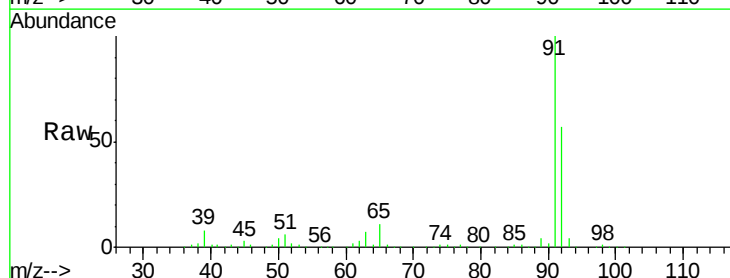
Manual Integrations
APPROVED

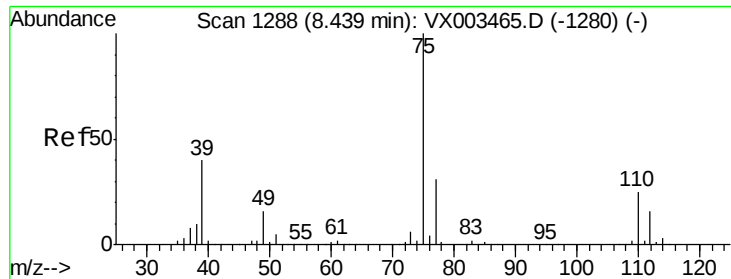
MMDadoda
7/20/2018 5:22:13 PM



#52
Toluene
Concen: 20.46 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VX003474.D
Acq: 19 Jul 2018 20:35

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.9	140.4	210.6





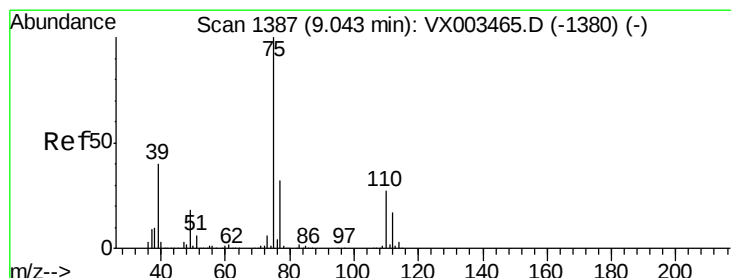
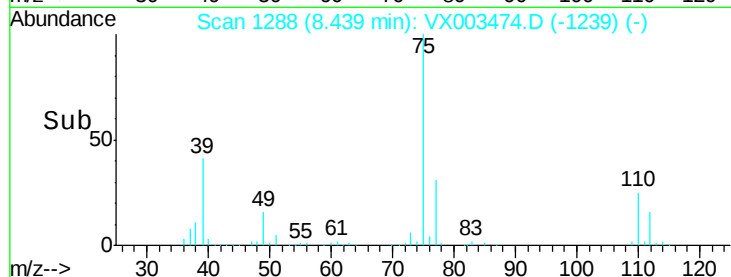
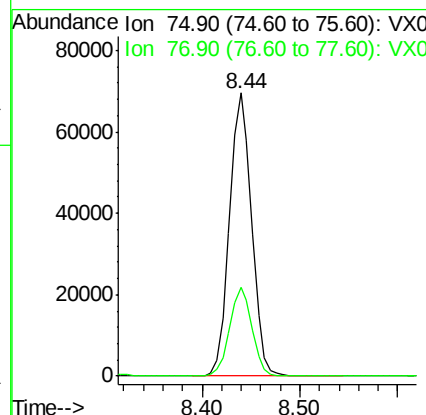
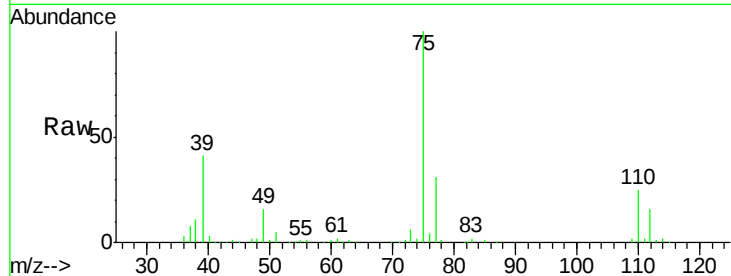
#53
t-1,3-Dichloropropene
Concen: 20.40 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX003474.D
Acq: 19 Jul 2018 20:35

Instrument :
MSVOA_X
ClientSampleId :
VX0719WBS01

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
77	31.4	25.4	38.2	

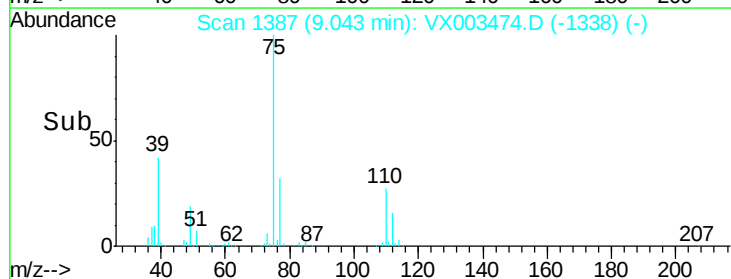
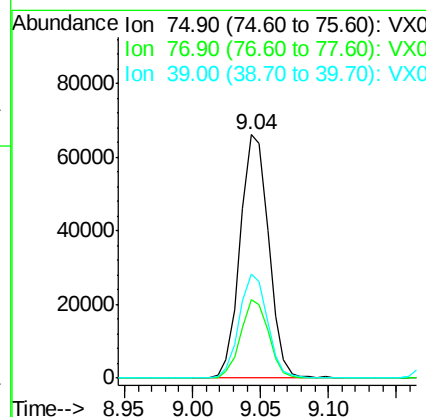
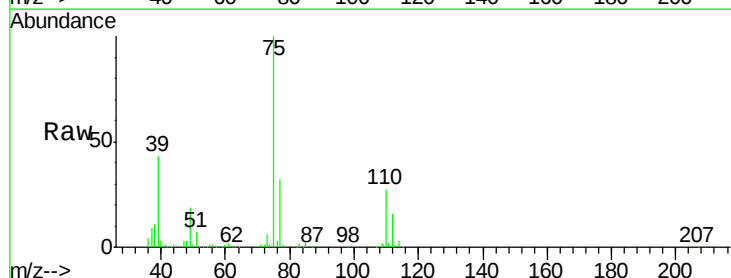
Manual Integrations
APPROVED

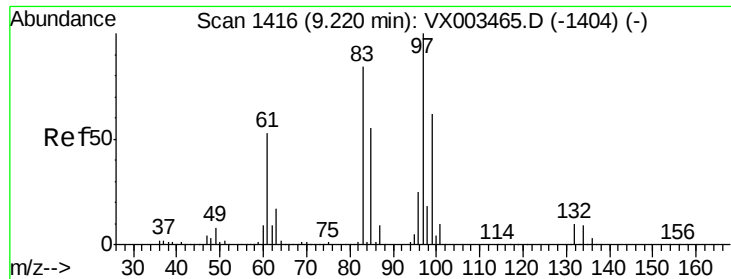
MMDadoda
7/20/2018 5:22:13 PM



#54
cis-1,3-Dichloropropene
Concen: 20.13 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.00 min
Lab File: VX003474.D
Acq: 19 Jul 2018 20:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	32.1	24.8	37.2	
39	42.6	42.4	63.6	





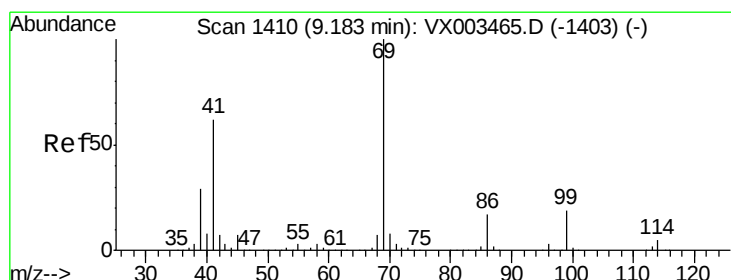
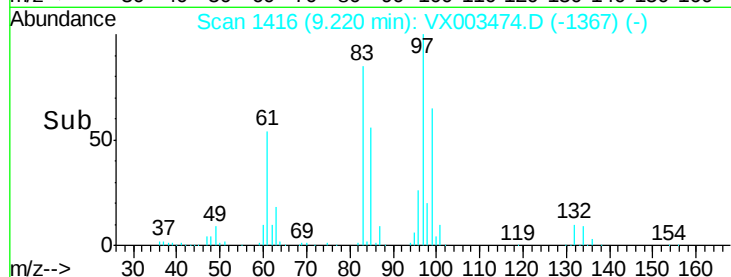
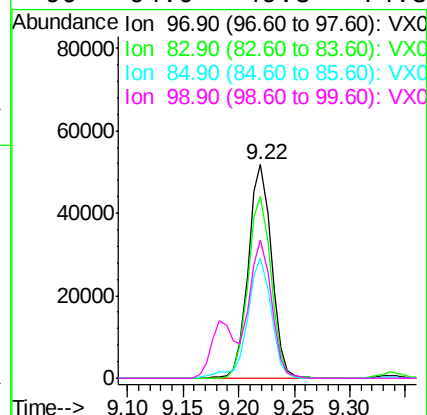
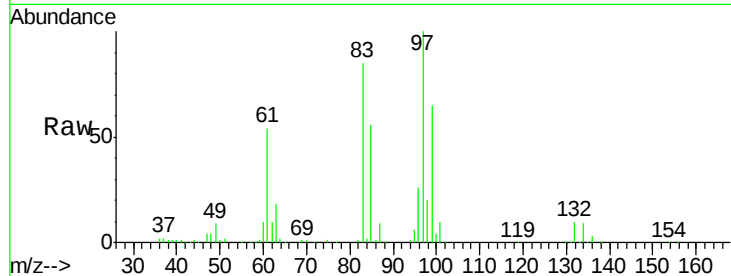
#55
 1,1,2-Trichloroethane
 Concen: 20.63 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX003474.D
 Acq: 19 Jul 2018 20:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0719WBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.3	70.2	105.2
85	56.3	44.9	67.3
99	64.9	49.8	74.8

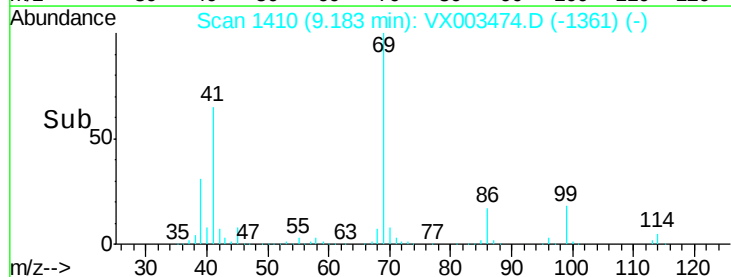
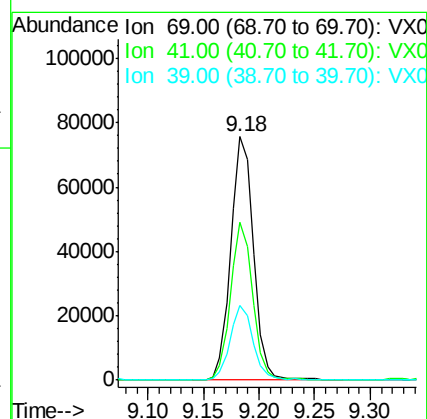
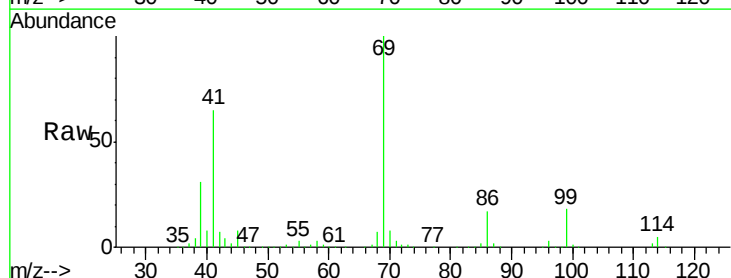
Manual Integrations
 APPROVED

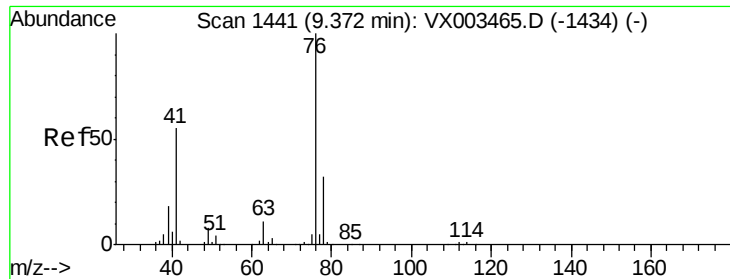
MMDadoda
 7/20/2018 5:22:13 PM



#56
 Ethyl methacrylate
 Concen: 20.81 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX003474.D
 Acq: 19 Jul 2018 20:35

Tgt Ion	Ratio	Lower	Upper
69	100		
41	63.2	60.3	90.5
39	30.8	35.8	53.8#





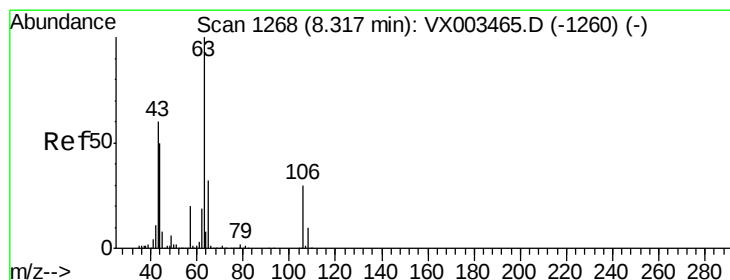
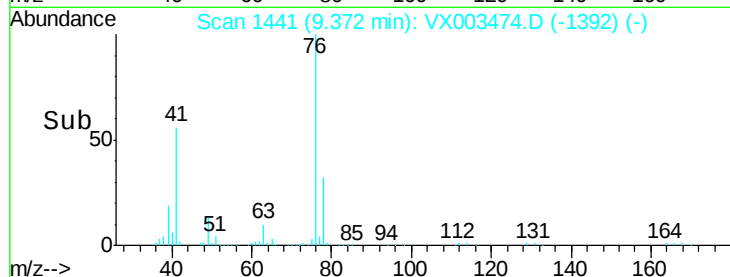
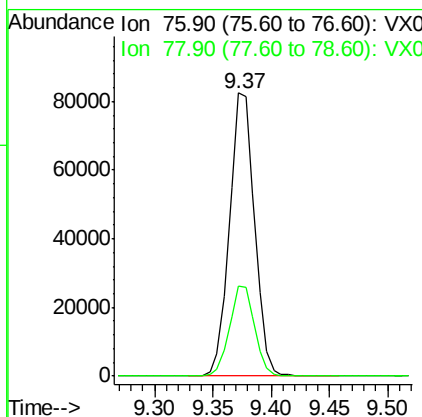
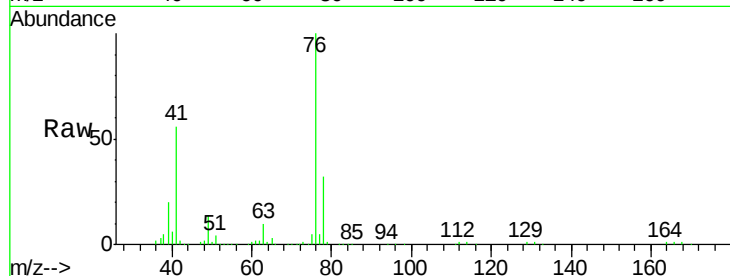
#57
 1,3-Dichloropropane
 Concen: 21.02 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VX003474.D
 Acq: 19 Jul 2018 20:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0719WBS01

Tot Ion: 76 Resp: 123788
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.8 38.6

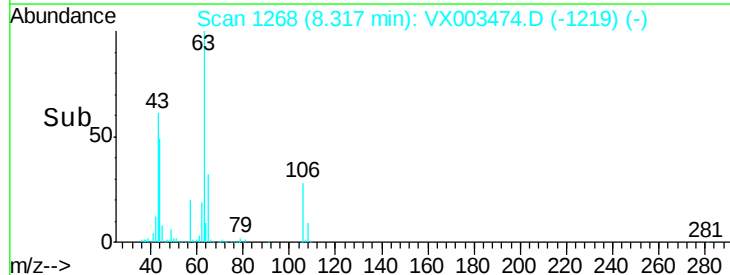
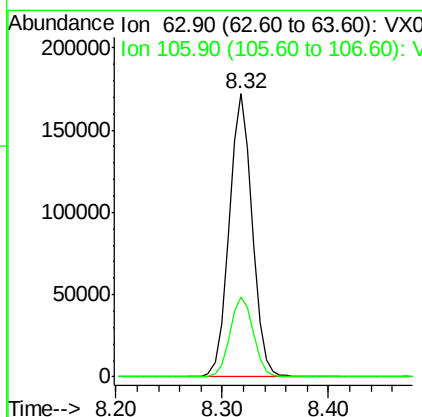
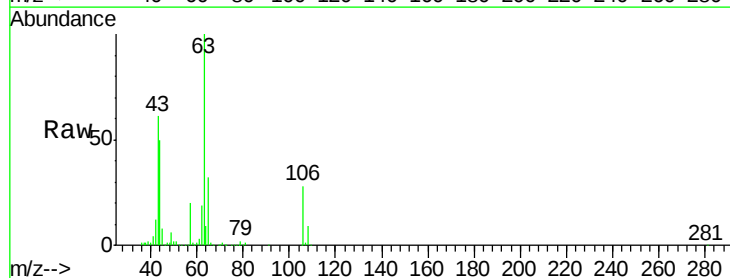
Manual Integrations
 APPROVED

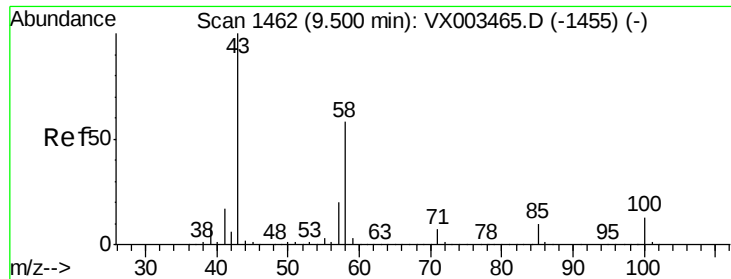
MMDadoda
 7/20/2018 5:22:13 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.33 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX003474.D
 Acq: 19 Jul 2018 20:35

Tgt Ion: 63 Resp: 260278
 Ion Ratio Lower Upper
 63 100
 106 28.8 21.8 32.8





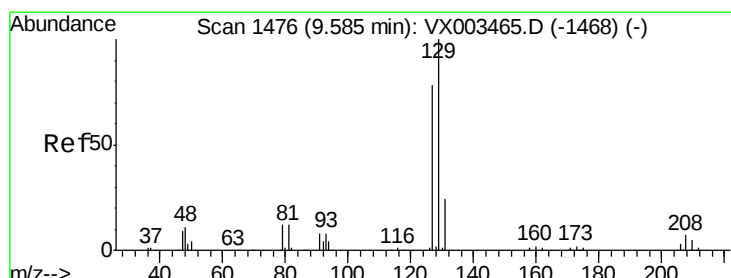
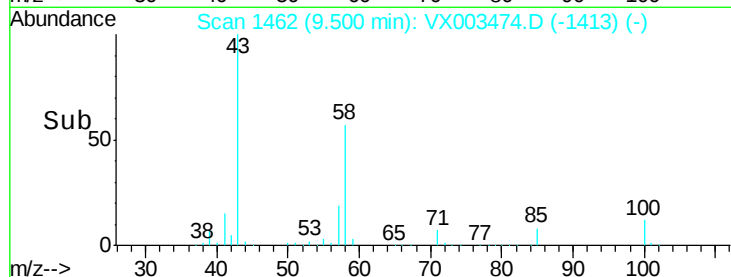
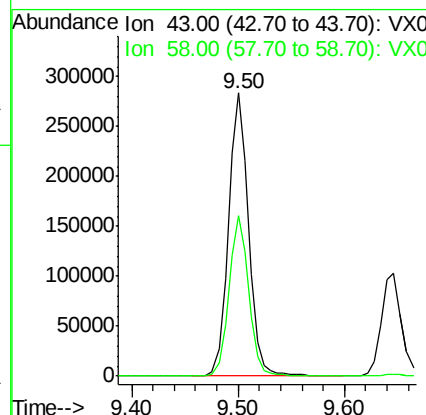
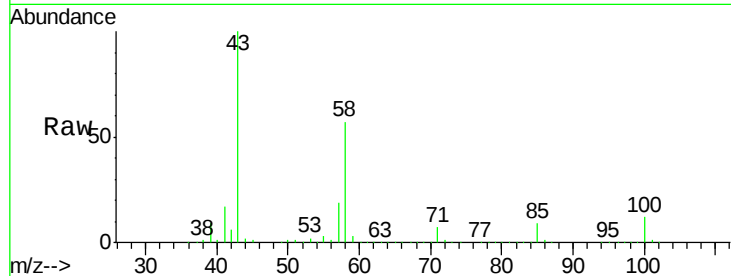
#59
2-Hexanone
Concen: 109.96 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX003474.D
Acq: 19 Jul 2018 20:35

Instrument :
MSVOA_X
ClientSampleId :
VX0719WBS01

Tot Ion: 43 Resp: 373152
Ion Ratio Lower Upper
43 100
58 56.4 24.6 73.6

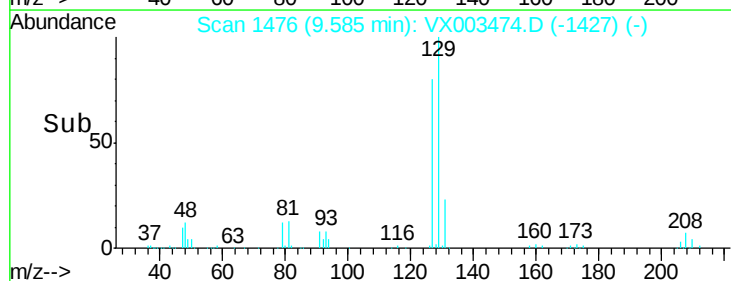
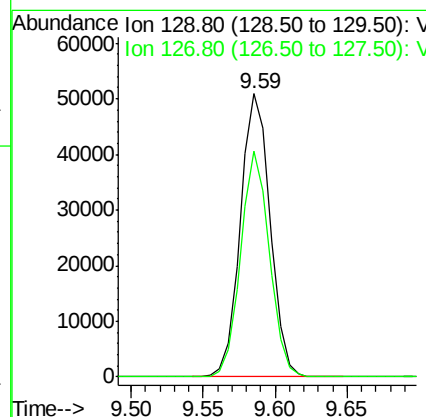
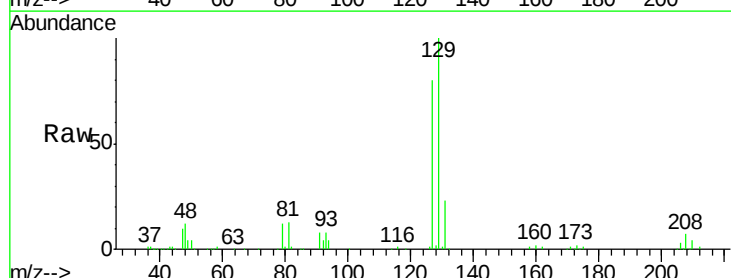
Manual Integrations
APPROVED

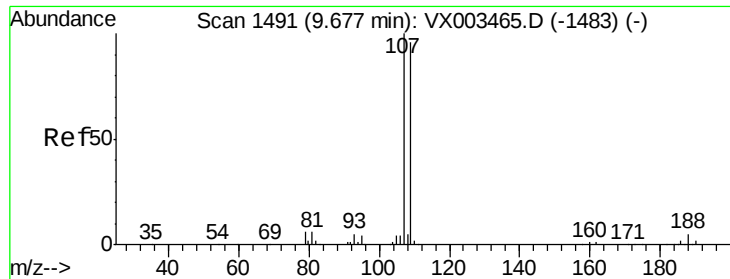
MMDadoda
7/20/2018 5:22:13 PM



#60
Dibromochloromethane
Concen: 20.27 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX003474.D
Acq: 19 Jul 2018 20:35

Tgt Ion: 129 Resp: 73083
Ion Ratio Lower Upper
129 100
127 77.1 38.5 115.3





#61

1,2-Dibromoethane

Concen: 20.77 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX003474.D

Acq: 19 Jul 2018 20:35

Instrument :

MSVOA_X

ClientSampleId :

VX0719WBS01

Tot Ion:107 Resp: 78414

Ion Ratio Lower Upper

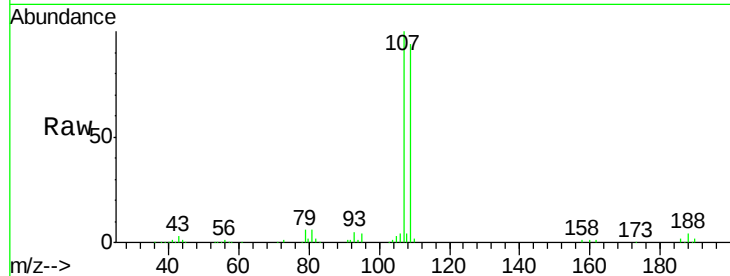
107 100

109 93.6 75.3 112.9

Manual Integrations
APPROVED

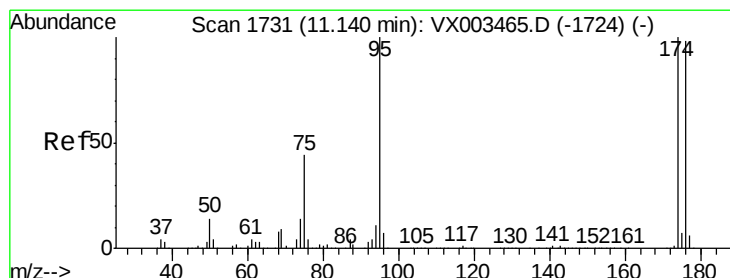
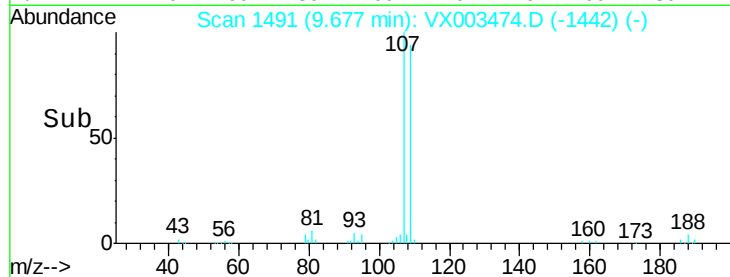
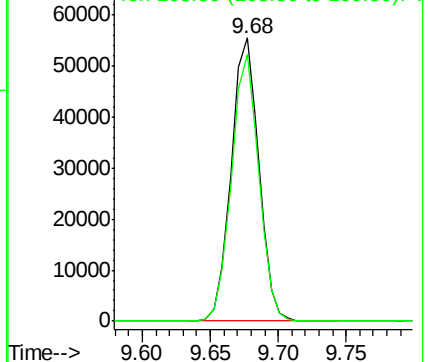
MMDadoda

7/20/2018 5:22:13 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.65 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003474.D

Acq: 19 Jul 2018 20:35

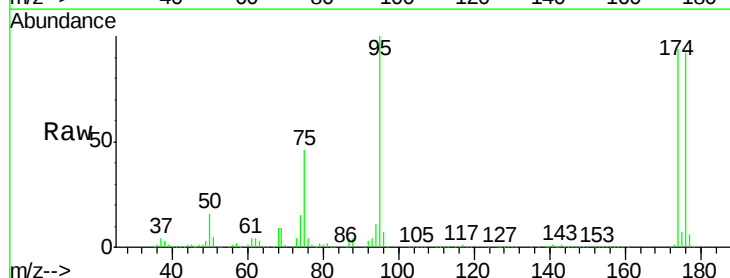
Tgt Ion: 95 Resp: 240739

Ion Ratio Lower Upper

95 100

174 94.8 0.0 187.4

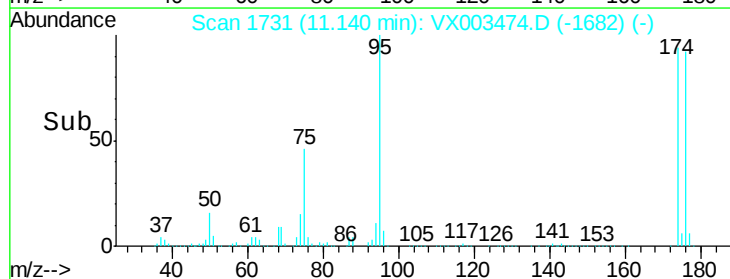
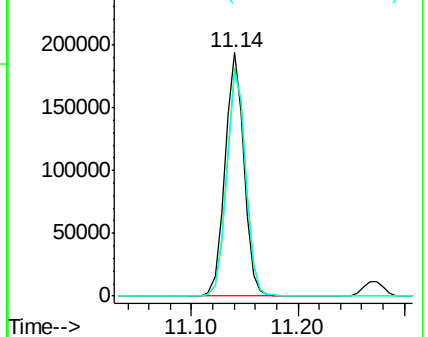
176 92.7 0.0 181.0

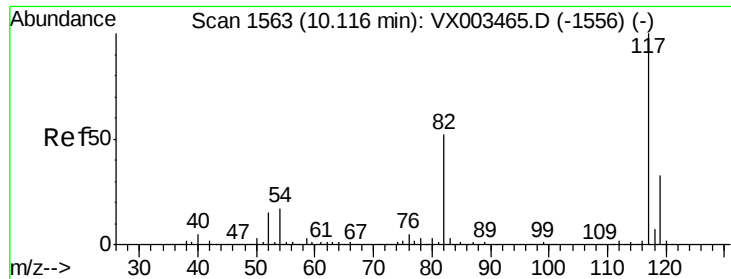


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





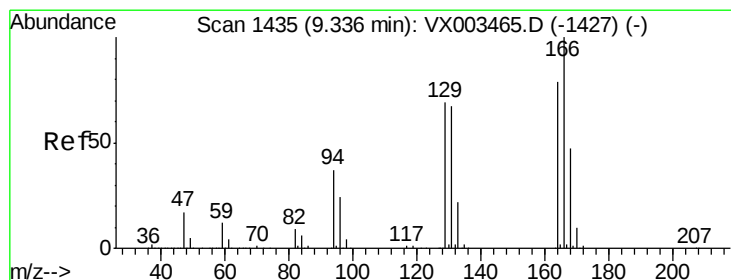
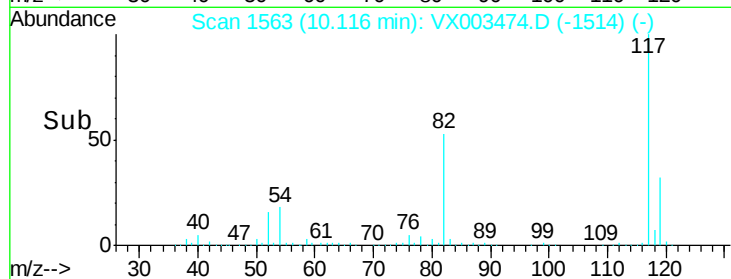
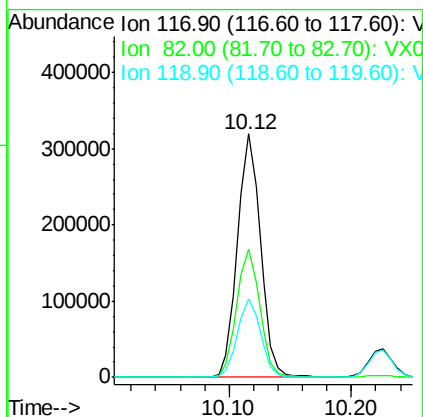
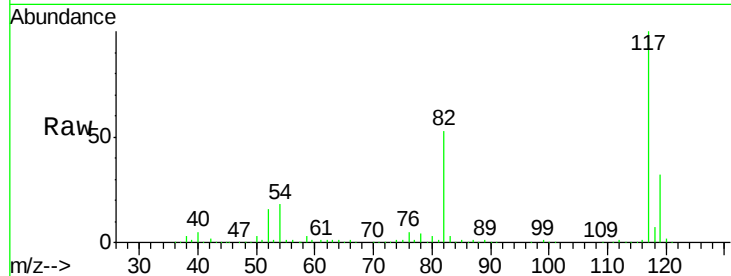
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003474.D
Acq: 19 Jul 2018 20:35

Instrument :
MSVOA_X
ClientSampleId :
VX0719WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	45.0	67.4
119	32.3	25.8	38.6

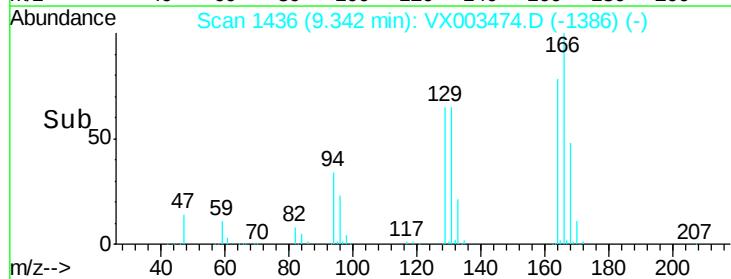
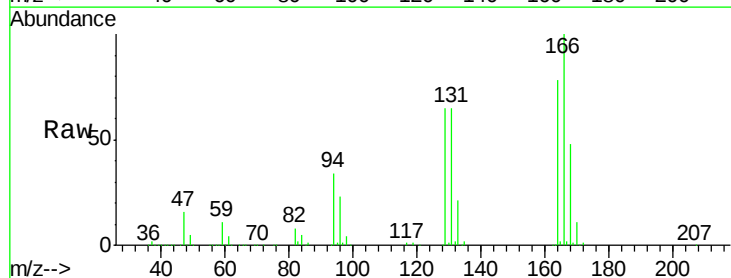
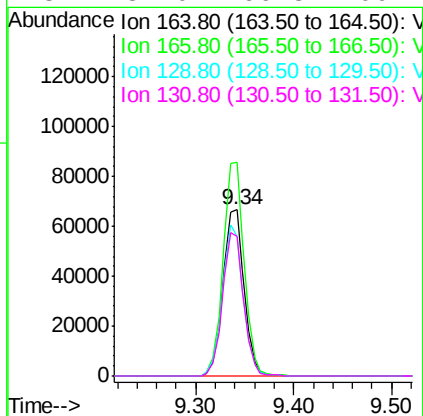
Manual Integrations
APPROVED

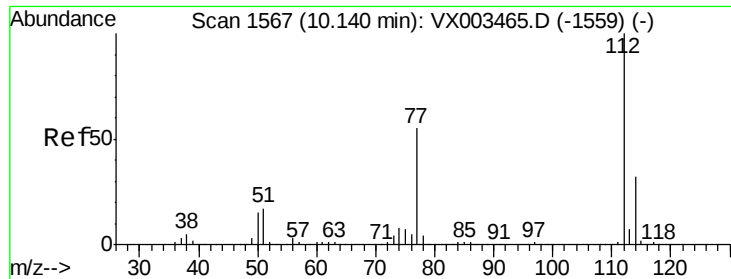
MMDadoda
7/20/2018 5:22:13 PM



#64
Tetrachloroethene
Concen: 19.60 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.01 min
Lab File: VX003474.D
Acq: 19 Jul 2018 20:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.8	102.9	154.3
129	84.1	68.6	102.8
131	84.0	66.8	100.2





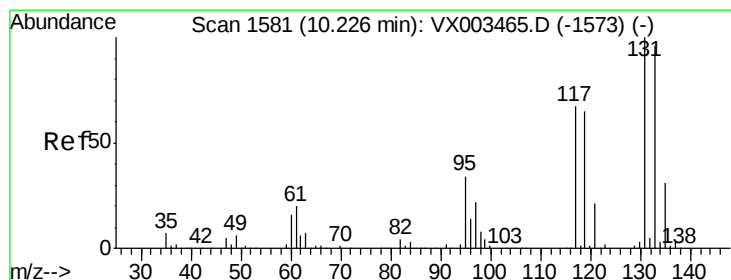
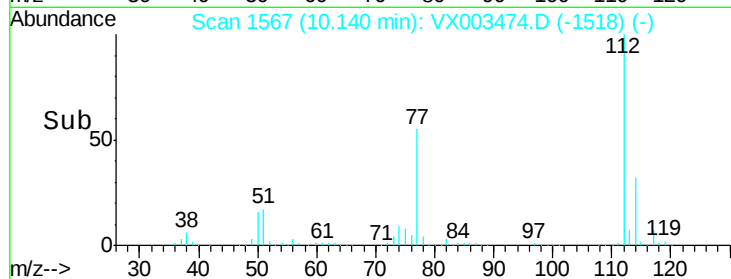
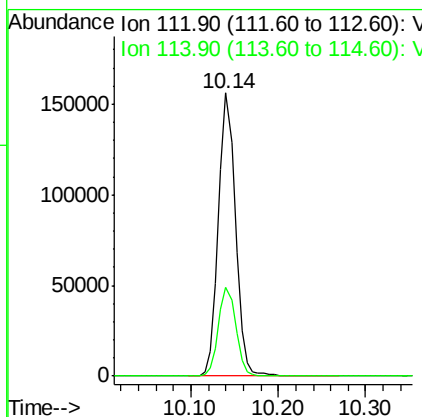
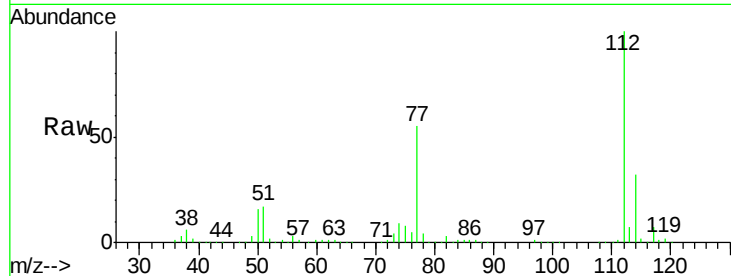
#65
Chlorobenzene
Concen: 19.60 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX003474.D
Acq: 19 Jul 2018 20:35

Instrument :
MSVOA_X
ClientSampled :
VX0719WBS01

Tot Ion:112 Resp: 210904
Ion Ratio Lower Upper
112 100
114 31.5 25.3 37.9

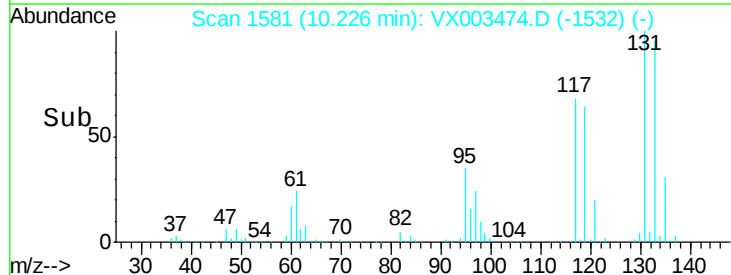
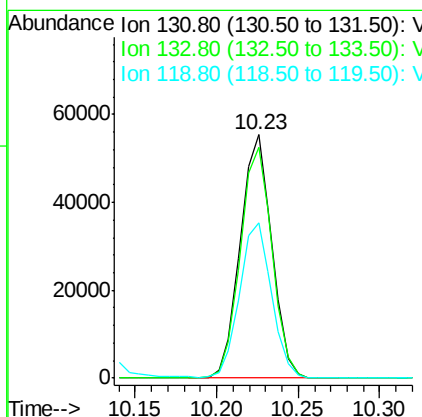
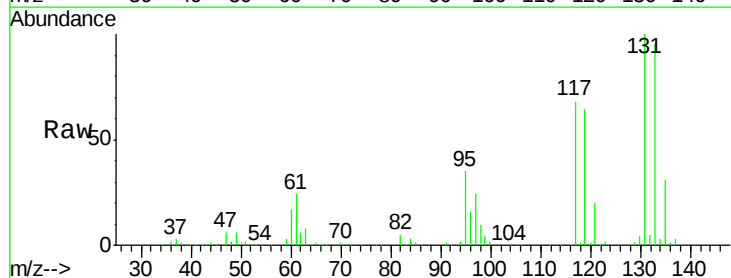
Manual Integrations
APPROVED

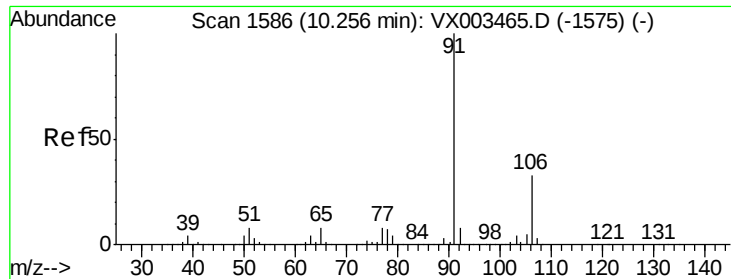
MMDadoda
7/20/2018 5:22:13 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.15 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX003474.D
Acq: 19 Jul 2018 20:35

Tgt Ion:131 Resp: 74618
Ion Ratio Lower Upper
131 100
133 95.6 47.9 143.6
119 64.7 31.8 95.3





#67

Ethyl Benzene

Concen: 20.01 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX003474.D

Acq: 19 Jul 2018 20:35

Instrument :

MSVOA_X

ClientSampleId :

VX0719WBS01

Tot Ion: 91 Resp: 346237

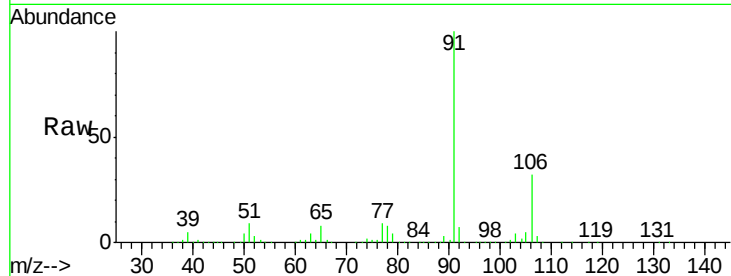
Ion Ratio Lower Upper

91 100

106 31.8 25.5 38.3

Manual Integrations
APPROVED

MMDadoda
7/20/2018 5:22:13 PM



Abundance Ion 91.00 (90.70 to 91.70): VX003465.D (-1575) (-)

Ion 106.00 (105.70 to 106.70): VX003465.D (-1575) (-)

400000

300000

200000

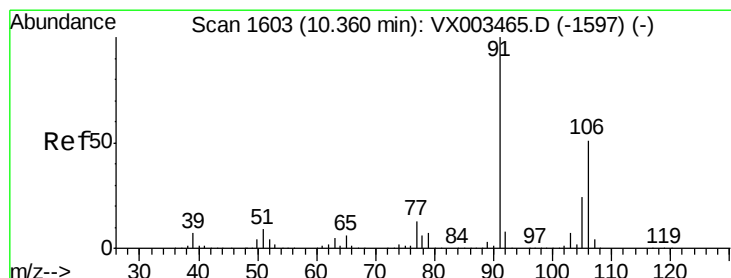
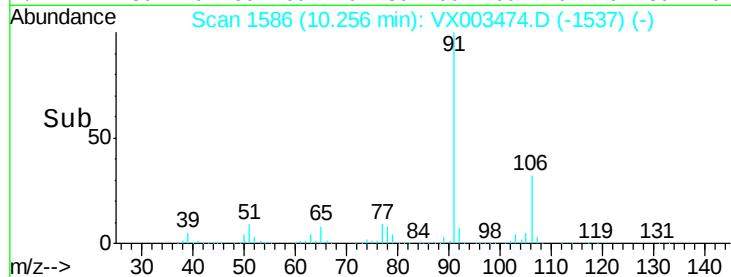
100000

0

10.20

10.30

Time-->



#68

m/p-Xylenes

Concen: 40.01 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VX003474.D

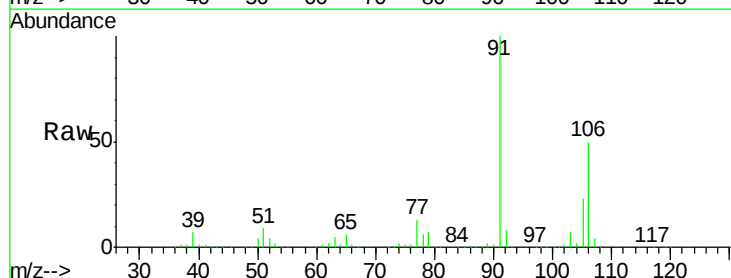
Acq: 19 Jul 2018 20:35

Tgt Ion: 106 Resp: 271379

Ion Ratio Lower Upper

106 100

91 200.3 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): VX003465.D (-1597) (-)

Ion 91.00 (90.70 to 91.70): VX003465.D (-1597) (-)

400000

300000

200000

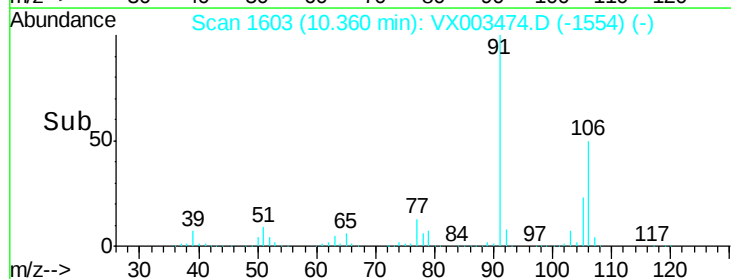
100000

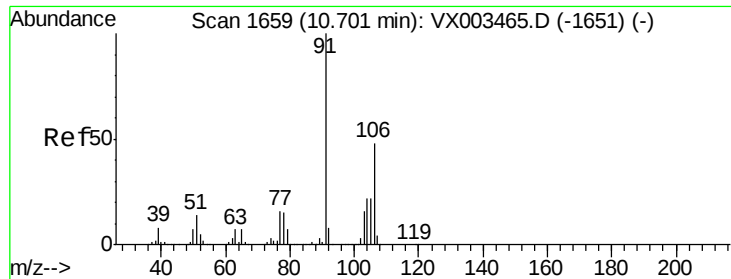
0

10.30

10.40

Time-->





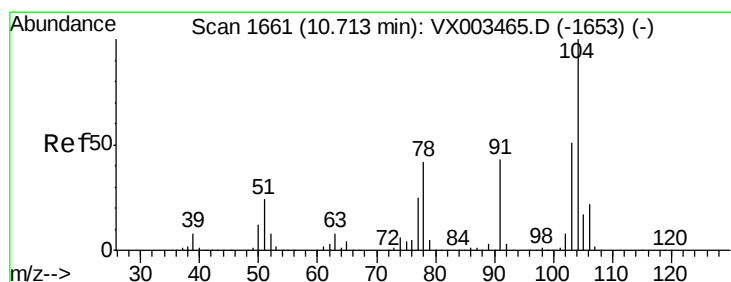
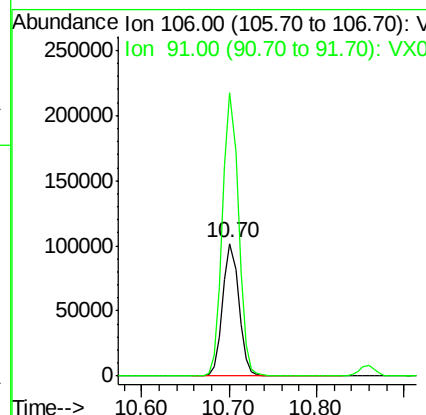
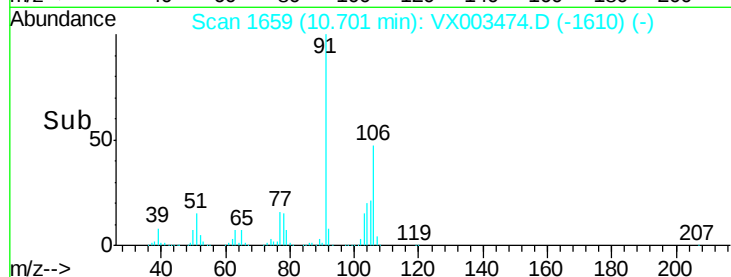
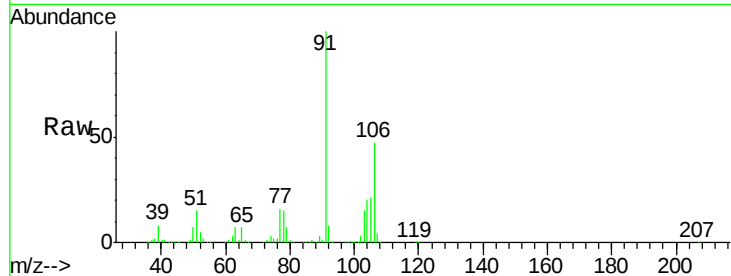
#69
o-Xylene
Concen: 19.88 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003474.D
Acq: 19 Jul 2018 20:35

Instrument :
MSVOA_X
ClientSampleId :
VX0719WBS01

Tot Ion:106 Resp: 130404
Ion Ratio Lower Upper
106 100
91 211.8 108.2 324.6

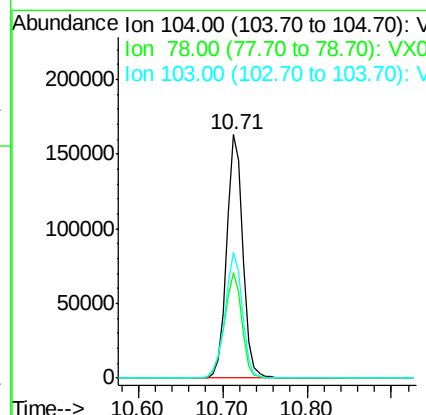
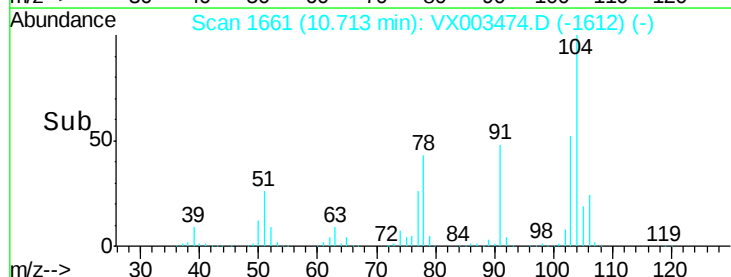
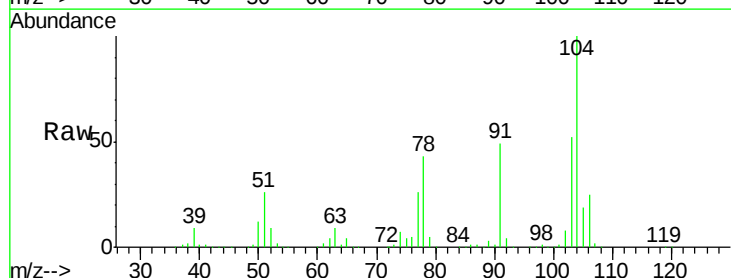
Manual Integrations
APPROVED

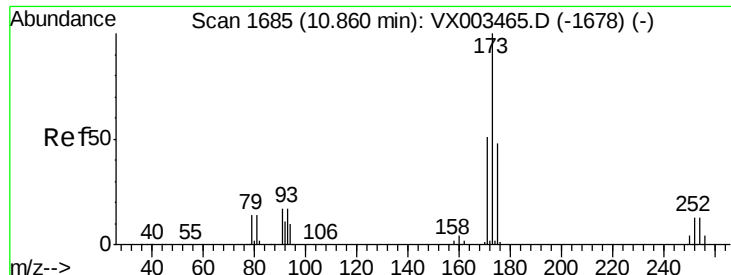
MMDadoda
7/20/2018 5:22:13 PM



#70
Styrene
Concen: 20.17 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX003474.D
Acq: 19 Jul 2018 20:35

Tgt Ion:104 Resp: 217655
Ion Ratio Lower Upper
104 100
78 47.0 41.0 61.6
103 55.6 44.2 66.4





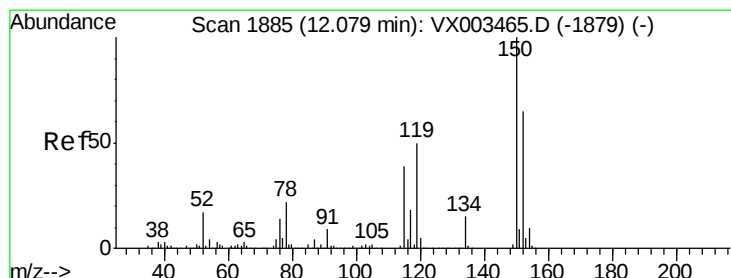
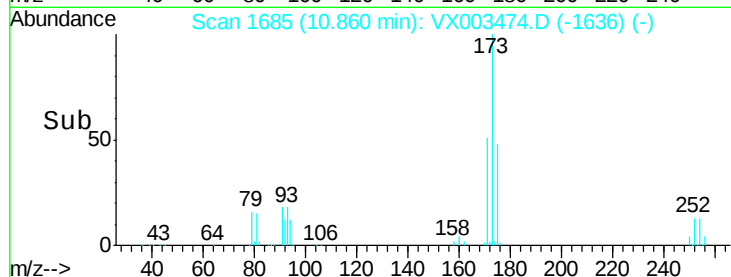
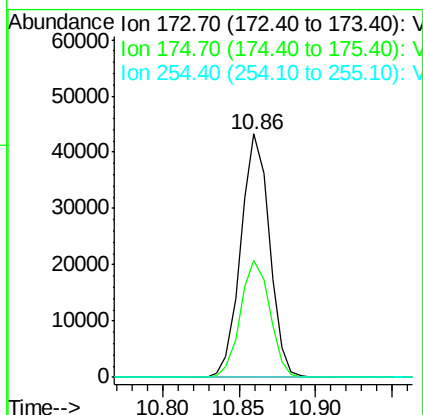
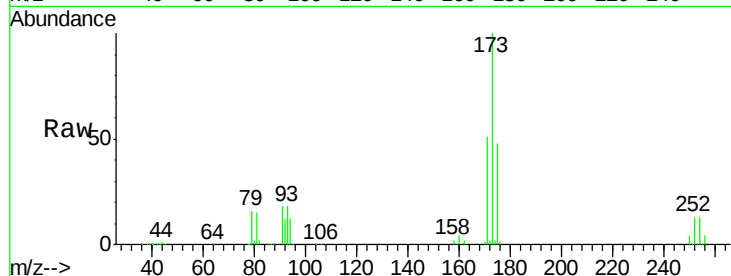
#71
Bromoform
Concen: 19.62 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VX003474.D
Acq: 19 Jul 2018 20:35

Instrument :
MSVOA_X
ClientSampleId :
VX0719WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.7	74.1
254	0.1	0.2	0.2#

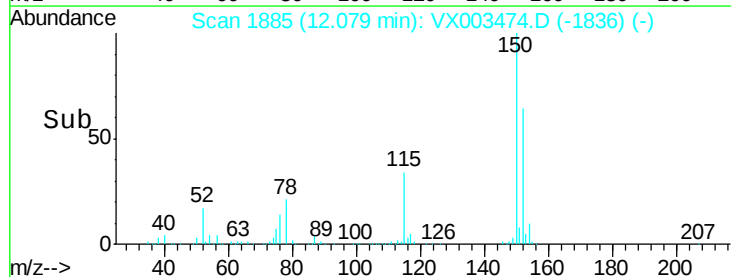
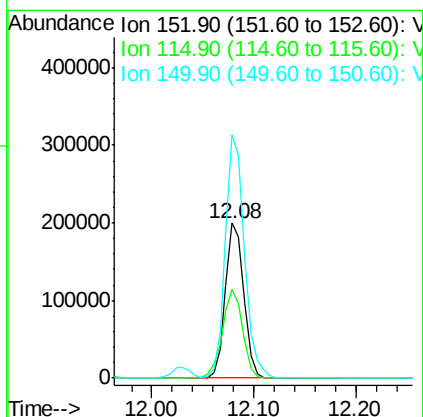
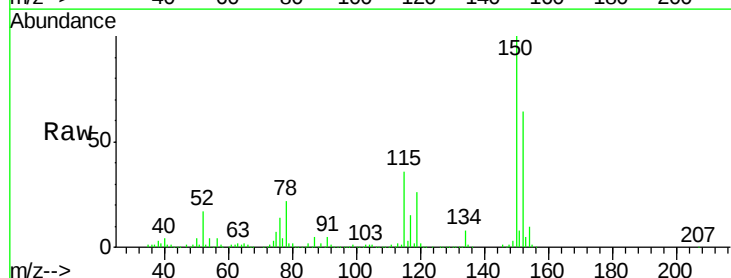
Manual Integrations
APPROVED

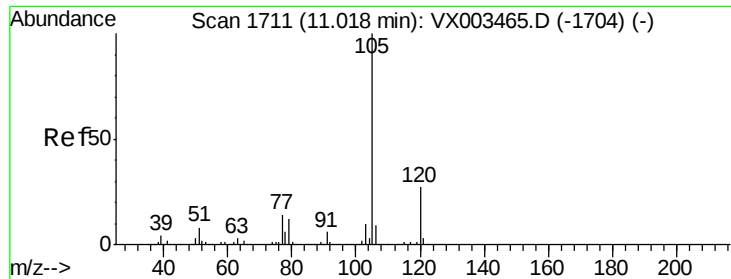
MMDadoda
7/20/2018 5:22:13 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX003474.D
Acq: 19 Jul 2018 20:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.0	40.1	120.2
150	163.2	0.0	347.2





#73

Isopropylbenzene

Concen: 20.36 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.01 min

Lab File: VX003474.D

Acq: 19 Jul 2018 20:35

Instrument :

MSVOA_X

ClientSampleId :

VX0719WBS01

Tot Ion: 105 Resp: 350442

Ion Ratio Lower Upper

105 100

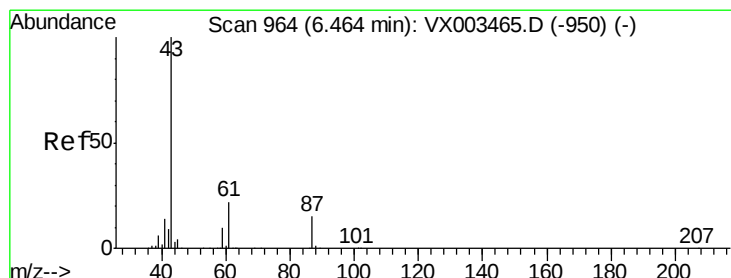
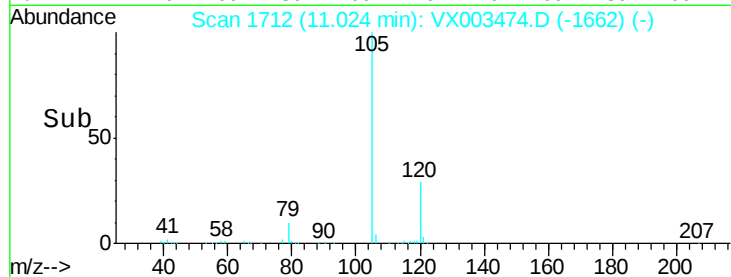
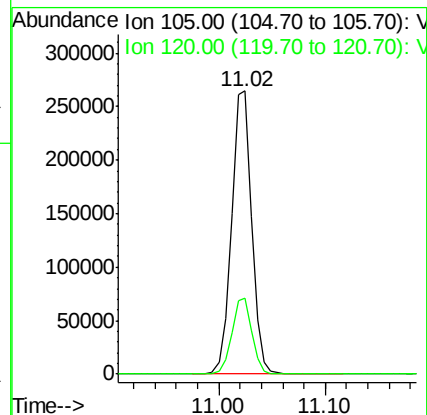
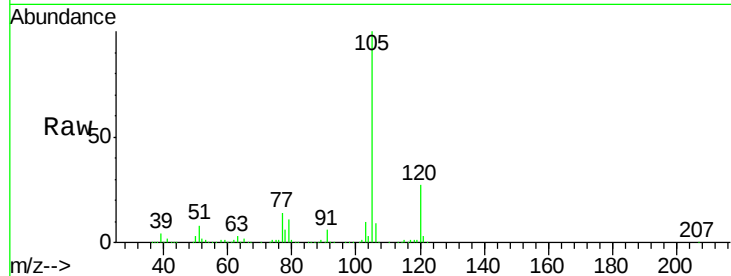
120 26.8 13.5 40.4

Manual Integrations

APPROVED

MMDadoda

7/20/2018 5:22:13 PM



#74

N-ethyl acetate

Concen: 20.66 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.01 min

Lab File: VX003474.D

Acq: 19 Jul 2018 20:35

Tgt Ion: 43 Resp: 150998

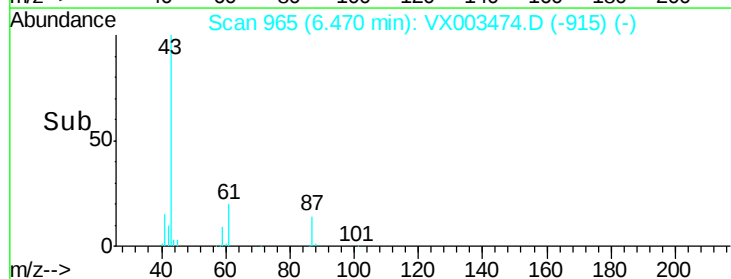
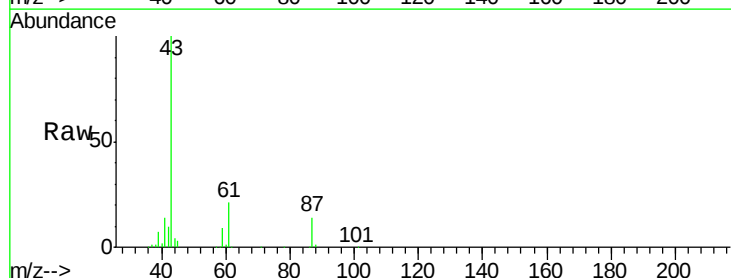
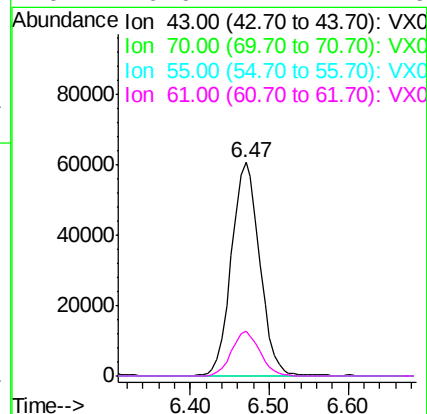
Ion Ratio Lower Upper

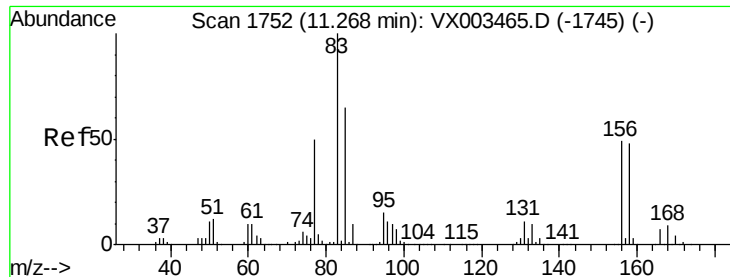
43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0#

61 20.9 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.80 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX003474.D

Acq: 19 Jul 2018 20:35

Instrument :

MSVOA_X

ClientSampled :

VX0719WBS01

Tot Ion: 83 Resp: 104909

Ion Ratio Lower Upper

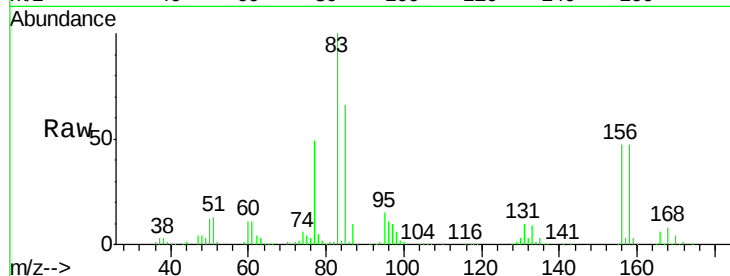
83 100

131 10.8 5.6 16.8

85 65.4 32.4 97.2

Manual Integrations
APPROVED

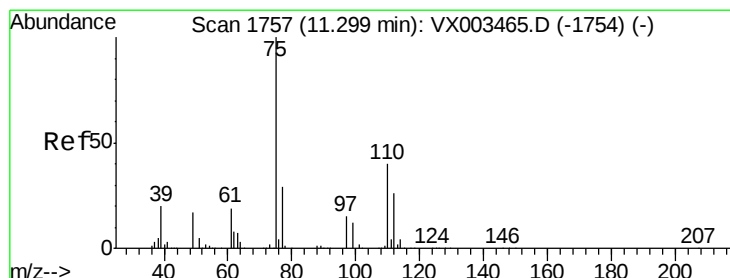
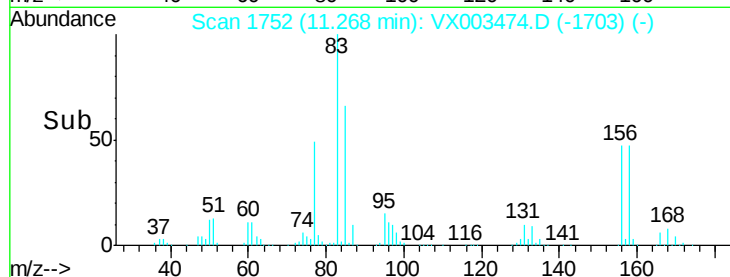
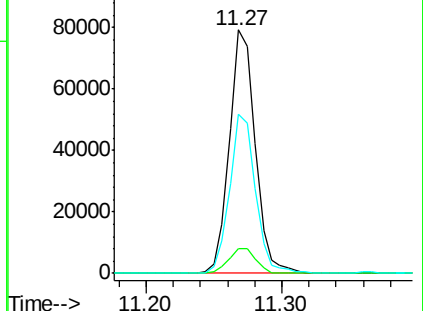
MMDadoda
7/20/2018 5:22:13 PM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 24.23 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX003474.D

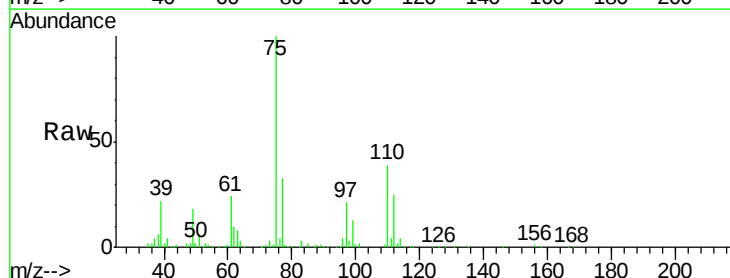
Acq: 19 Jul 2018 20:35

Tgt Ion: 75 Resp: 108307

Ion Ratio Lower Upper

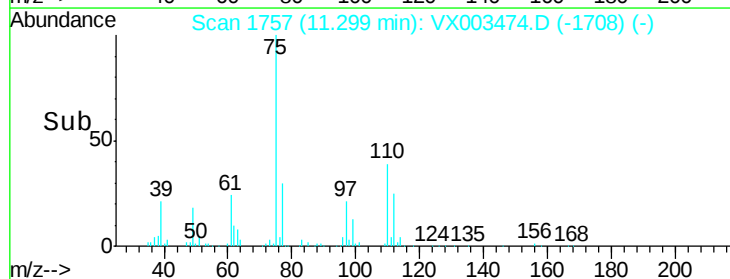
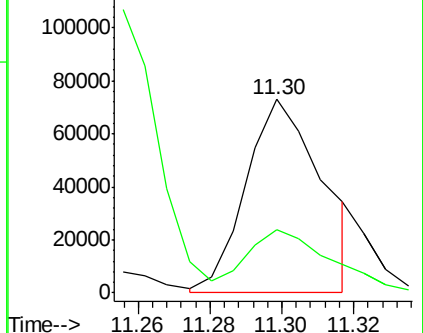
75 100

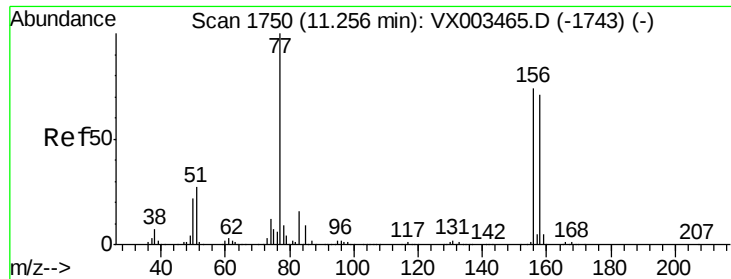
77 36.2 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.54 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX003474.D

Acq: 19 Jul 2018 20:35

Instrument :

MSVOA_X

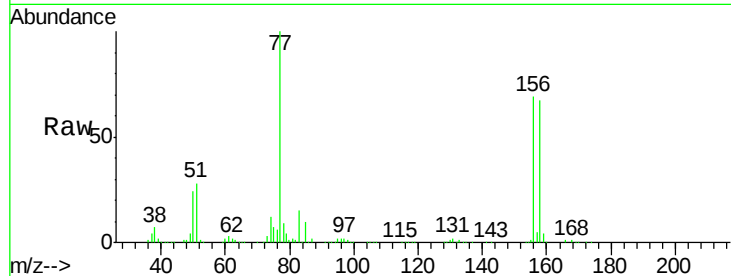
ClientSampleId :

VX0719WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		96713		
77	137.5	71.4	214.2		
158	97.8	48.9	146.6		

Manual Integrations
APPROVED

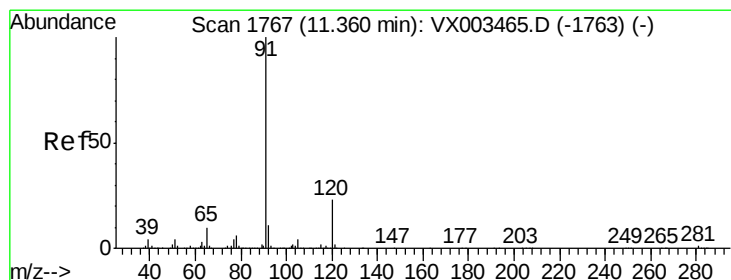
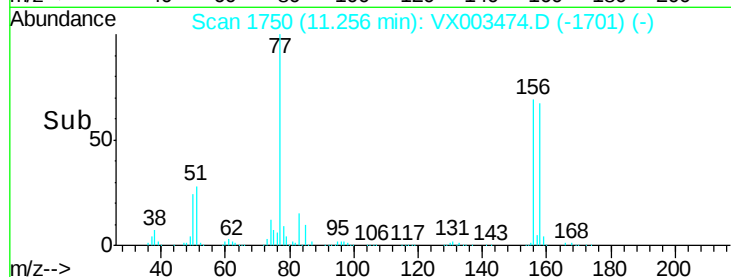
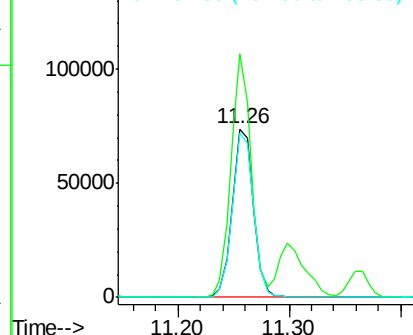
MMDadoda
7/20/2018 5:22:13 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.47 ug/l

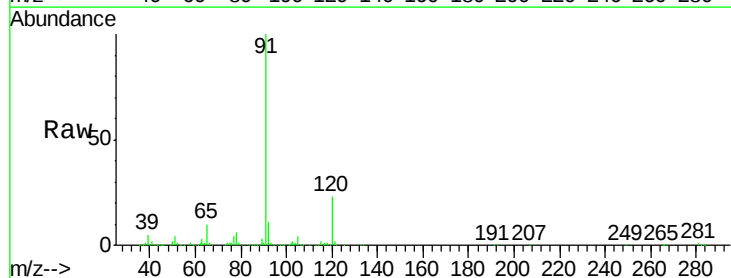
RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX003474.D

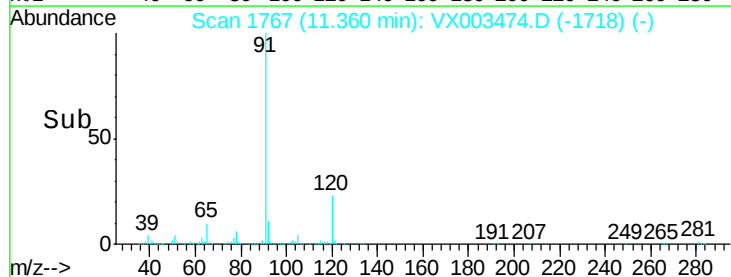
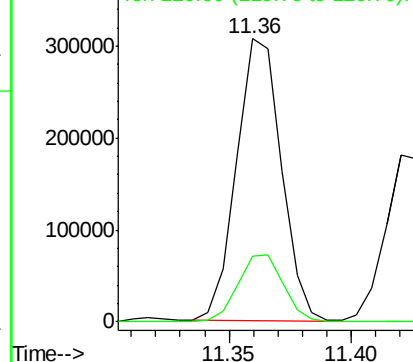
Acq: 19 Jul 2018 20:35

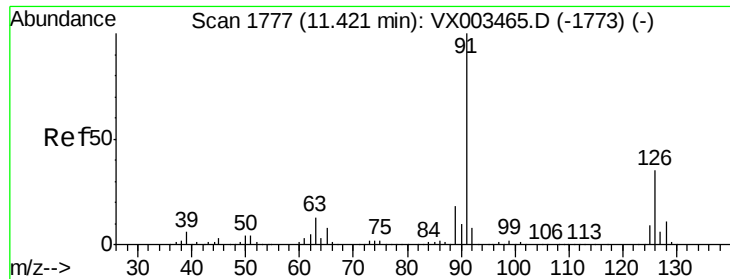
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		391676		
120	24.4	11.8	35.4		



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.28 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX003474.D

Acq: 19 Jul 2018 20:35

Instrument :

MSVOA_X

ClientSampleId :

VX0719WBS01

Tot Ion: 91 Resp: 235588

Ion Ratio Lower Upper

91 100

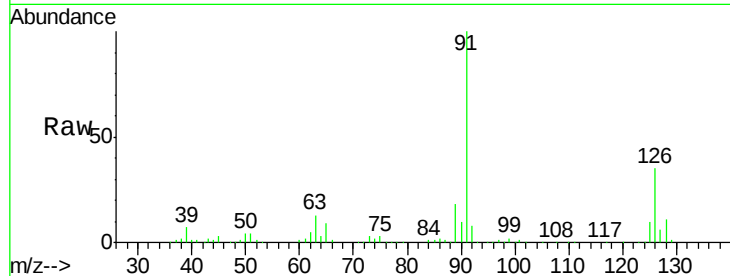
126 36.1 17.7 53.1

Manual Integrations

APPROVED

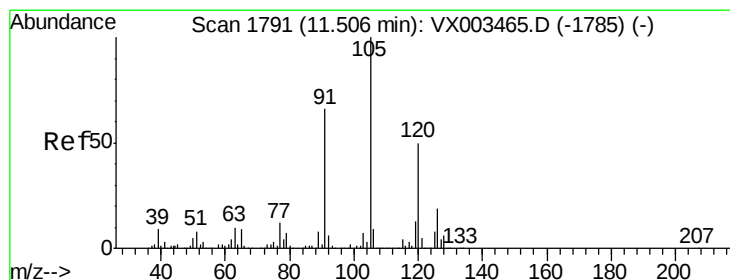
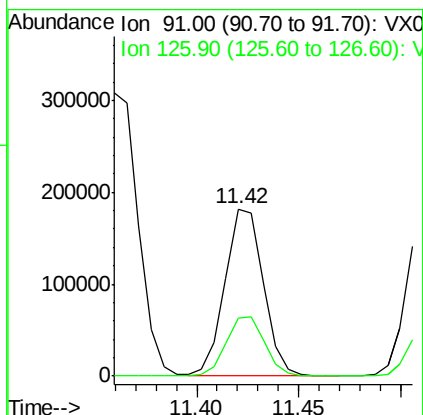
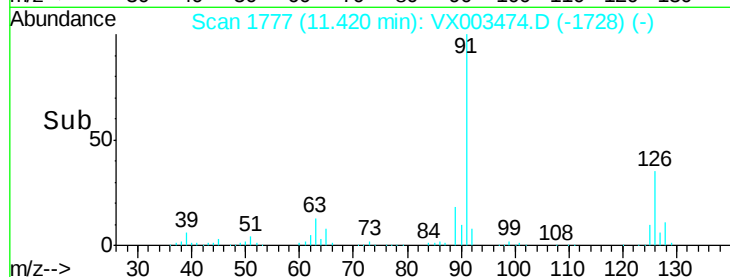
MMDadoda

7/20/2018 5:22:13 PM



Abundance Ion 91.00 (90.70 to 91.70): VX003474.D (-1728) (-)

Ion 125.90 (125.60 to 126.60): VX003474.D (-1728) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.56 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.01 min

Lab File: VX003474.D

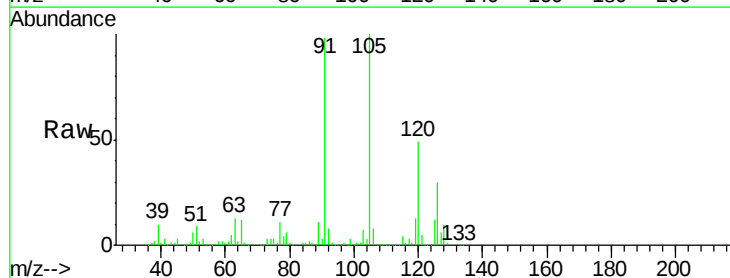
Acq: 19 Jul 2018 20:35

Tgt Ion: 105 Resp: 290757

Ion Ratio Lower Upper

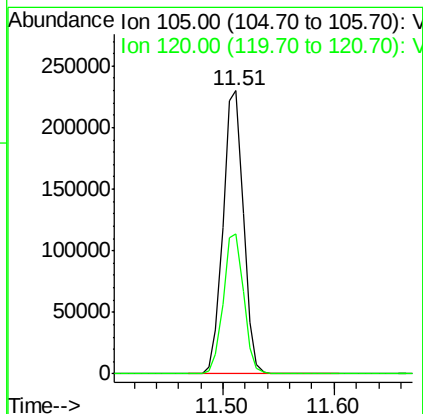
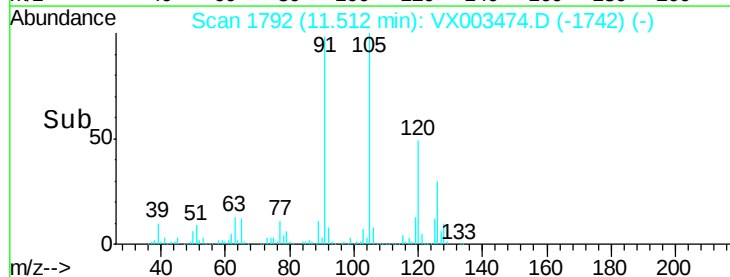
105 100

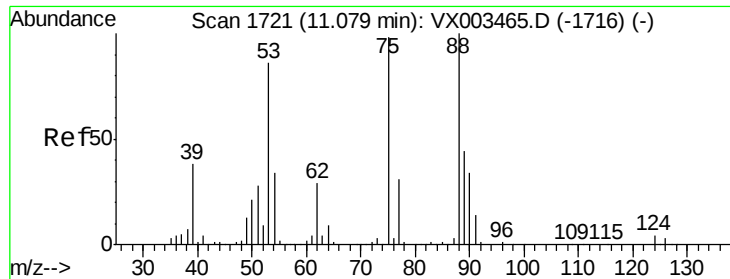
120 49.5 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VX003474.D (-1742) (-)

Ion 120.00 (119.70 to 120.70): VX003474.D (-1742) (-)





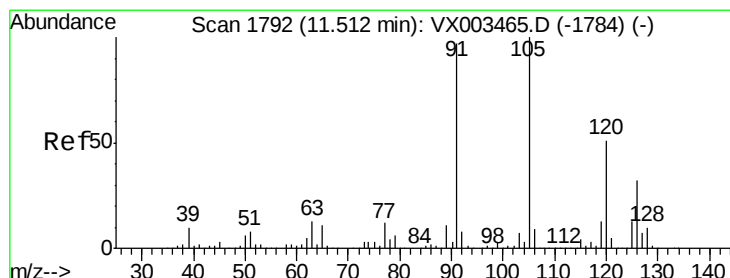
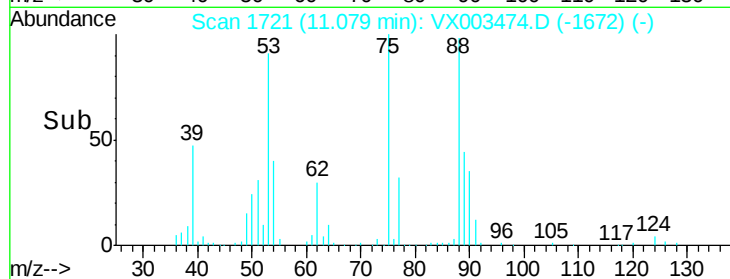
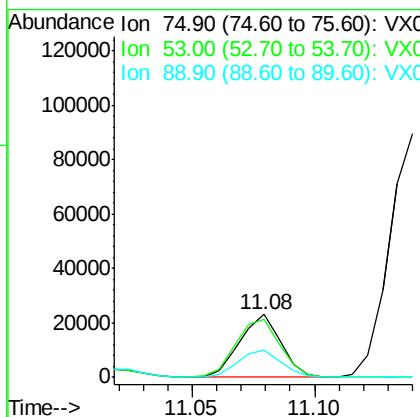
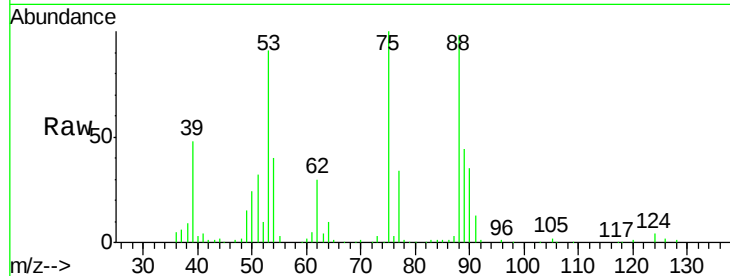
#81
trans-1,4-Dichloro-2-butene
Concen: 18.84 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX003474.D
Acq: 19 Jul 2018 20:35

Instrument :
MSVOA_X
ClientSampleId :
VX0719WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.5	86.8	130.2
89	45.6	38.2	57.2

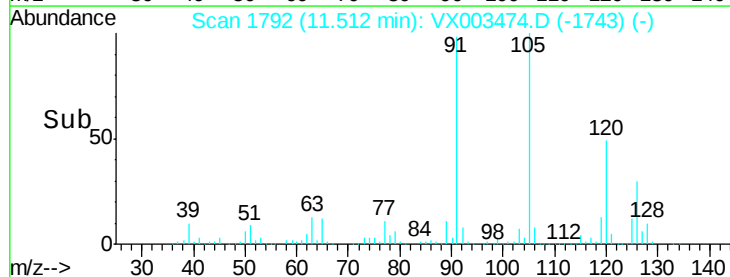
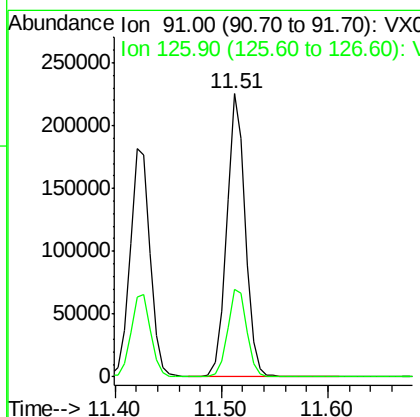
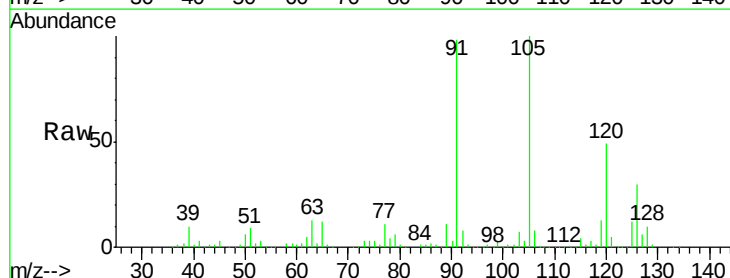
Manual Integrations
APPROVED

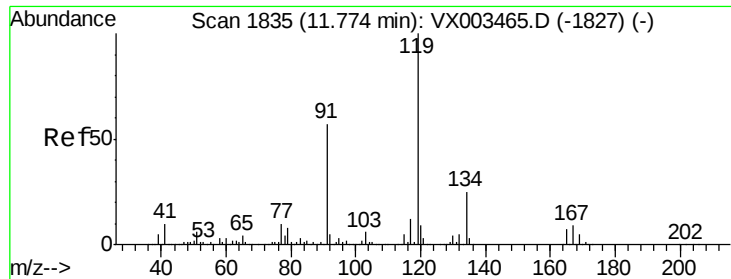
MMDadoda
7/20/2018 5:22:13 PM



#82
4-Chlorotoluene
Concen: 20.17 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX003474.D
Acq: 19 Jul 2018 20:35

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.1	15.4	46.4





#83

tert-Butylbenzene

Concen: 19.84 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX003474.D

Acq: 19 Jul 2018 20:35

Instrument :

MSVOA_X

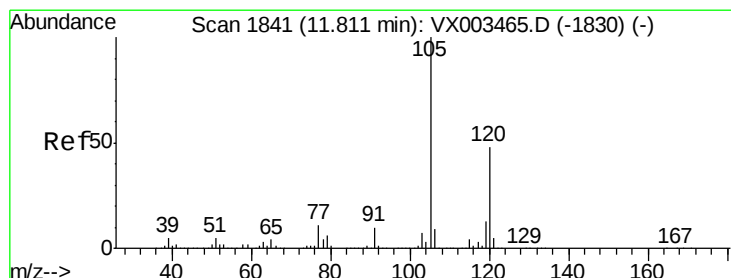
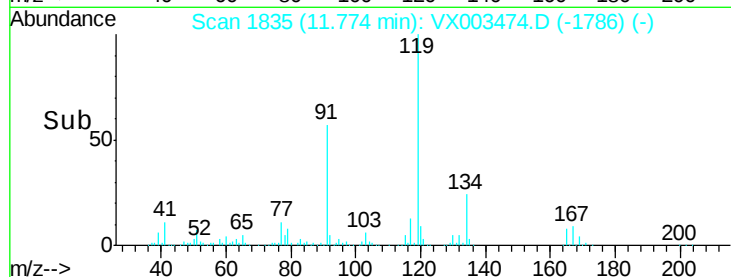
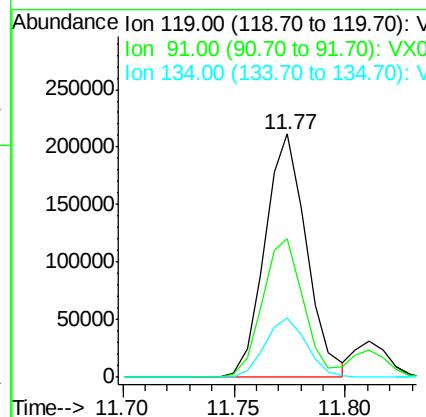
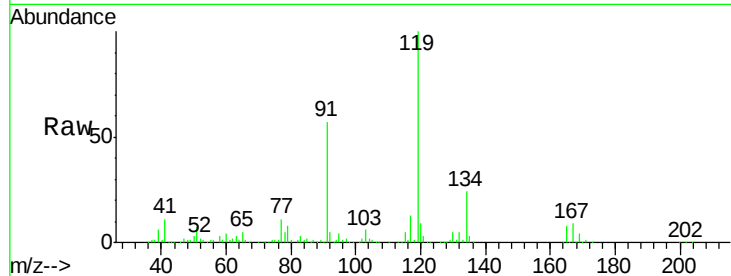
ClientSampleId :

VX0719WBS01

Tot Ion:	119	Resp:	274813
Ion Ratio	Lower	Upper	
119	100		
91	55.7	30.3	90.9
134	24.2	11.7	35.1

Manual Integrations
APPROVED

MMDadoda
7/20/2018 5:22:13 PM



#84

1,2,4-Trimethylbenzene

Concen: 20.74 ug/l

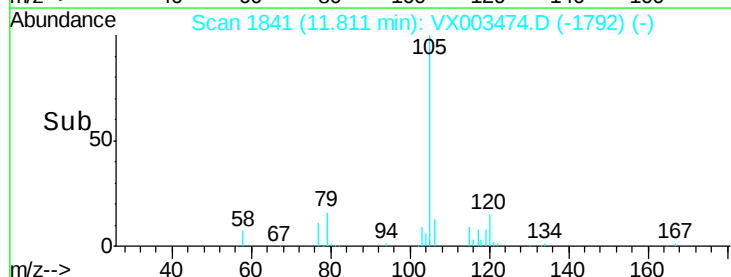
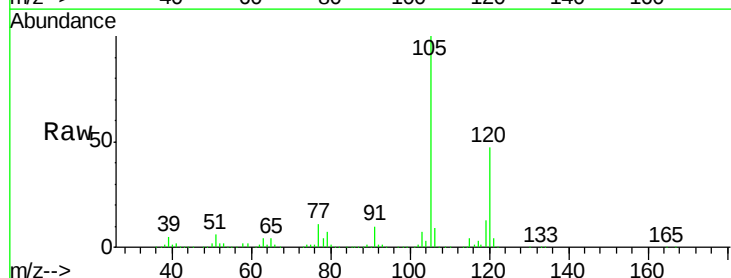
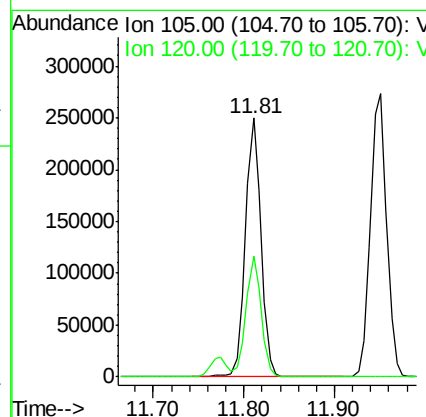
RT: 11.81 min Scan# 1841

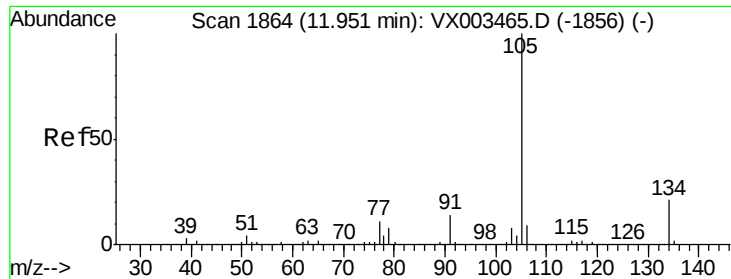
Delta R.T. -0.00 min

Lab File: VX003474.D

Acq: 19 Jul 2018 20:35

Tgt Ion:	105	Resp:	298455
Ion Ratio	Lower	Upper	
105	100		
120	45.4	22.3	66.8





#85

sec-Butylbenzene

Concen: 20.12 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX003474.D

Acq: 19 Jul 2018 20:35

Instrument :

MSVOA_X

ClientSampleId :

VX0719WBS01

Tot Ion:105 Resp: 338468

Ion Ratio Lower Upper

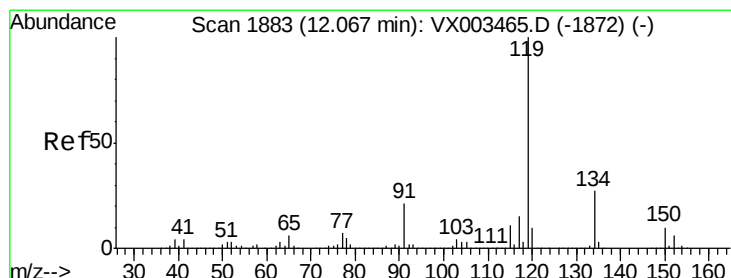
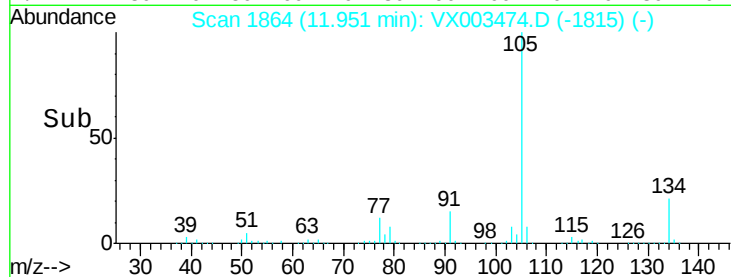
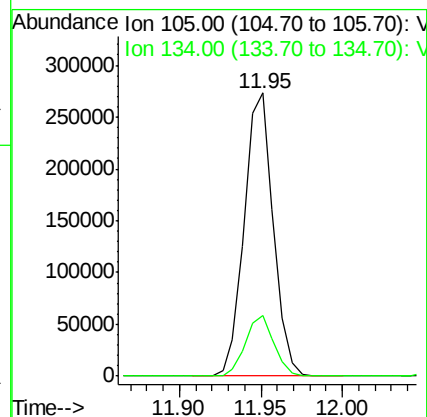
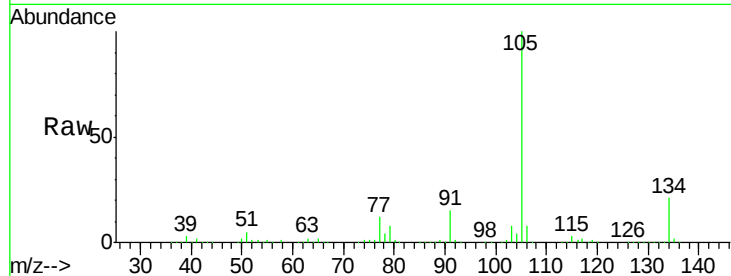
105 100

134 21.1 10.4 31.1

Manual Integrations
APPROVED

MMDadoda

7/20/2018 5:22:13 PM



#86

p-Isopropyltoluene

Concen: 20.22 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX003474.D

Acq: 19 Jul 2018 20:35

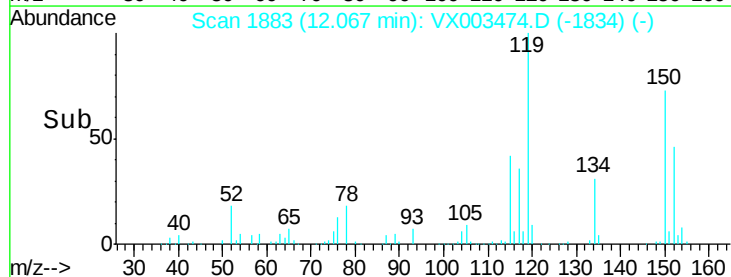
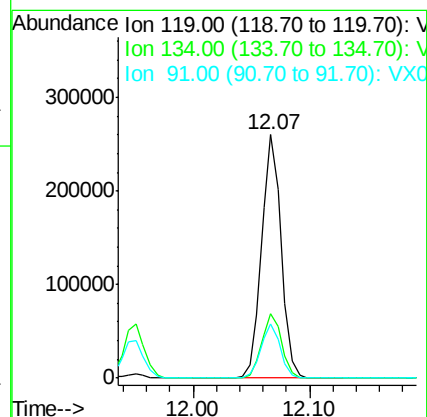
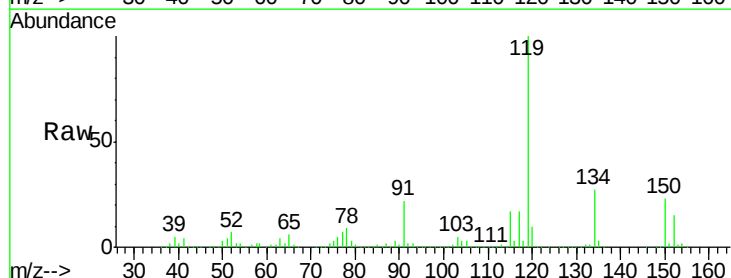
Tgt Ion:119 Resp: 305350

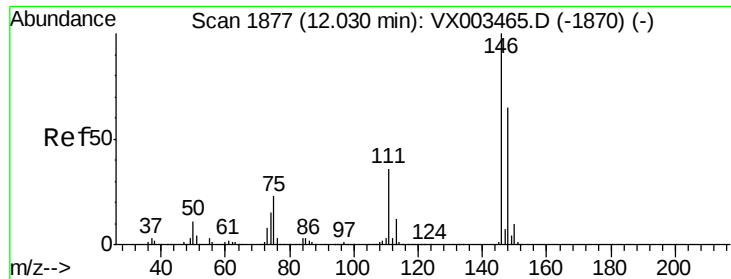
Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.1

91 22.2 11.9 35.7





#87

1,3-Dichlorobenzene

Concen: 19.22 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX003474.D

Acq: 19 Jul 2018 20:35

Instrument :

MSVOA_X

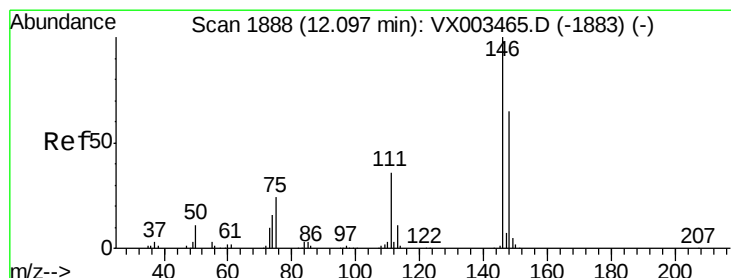
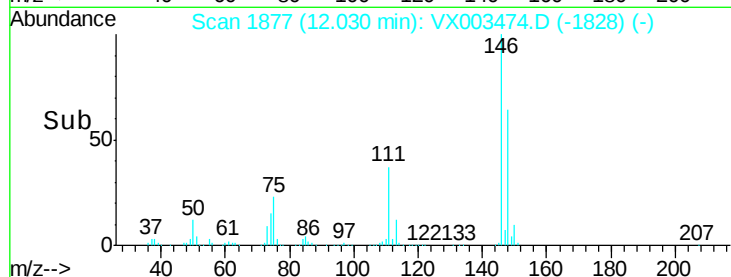
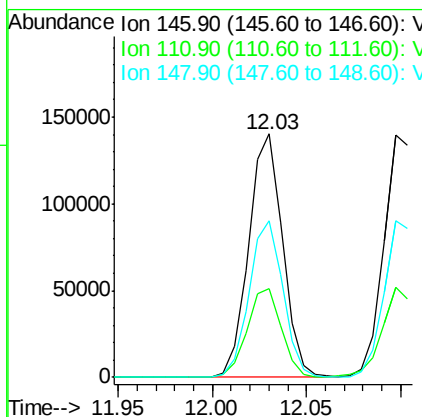
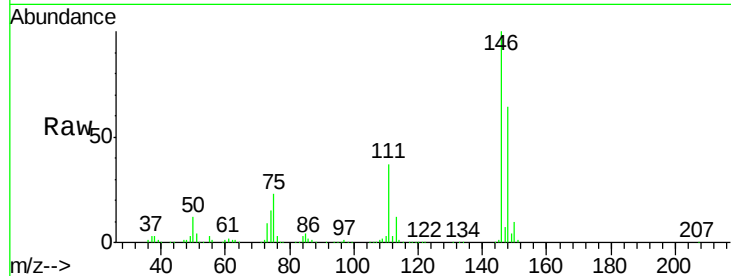
ClientSampleId :

VX0719WBS01

Tot Ion:	146	Resp:	174916
Ion Ratio	Lower	Upper	
146	100		
111	37.0	18.9	56.7
148	64.2	32.1	96.3

Manual Integrations
APPROVED

MMDadoda
7/20/2018 5:22:13 PM



#88

1,4-Dichlorobenzene

Concen: 18.90 ug/l

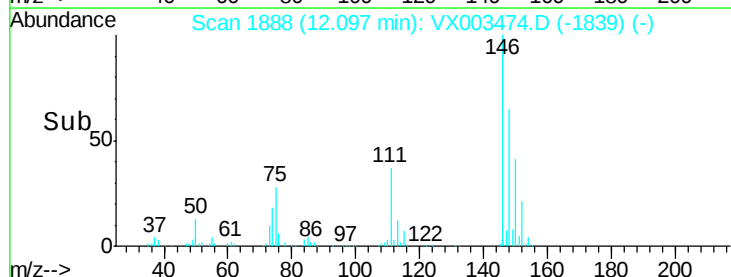
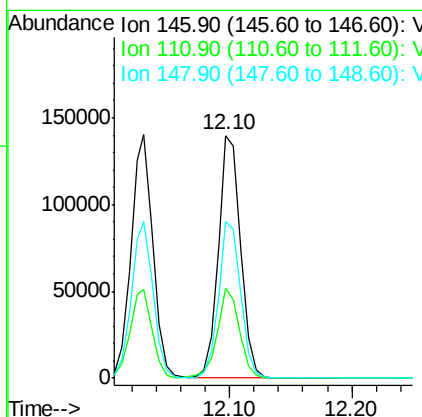
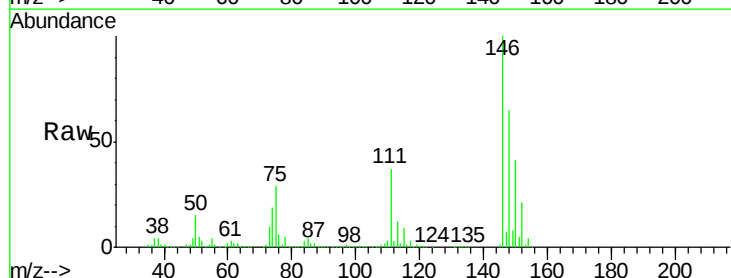
RT: 12.10 min Scan# 1888

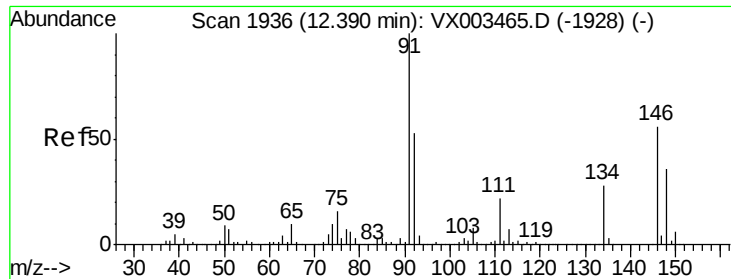
Delta R.T. -0.00 min

Lab File: VX003474.D

Acq: 19 Jul 2018 20:35

Tgt Ion:	146	Resp:	177200
Ion Ratio	Lower	Upper	
146	100		
111	36.8	18.7	56.1
148	64.4	32.4	97.0





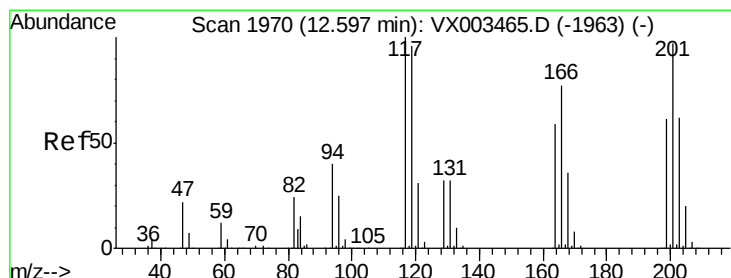
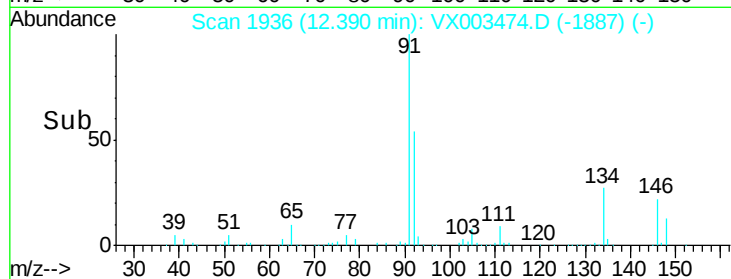
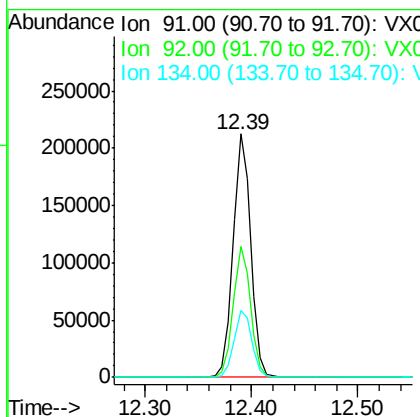
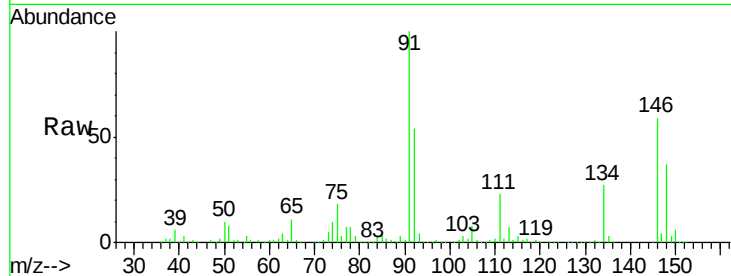
#89
n-Butylbenzene
Concen: 19.29 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX003474.D
Acq: 19 Jul 2018 20:35

Instrument :
MSVOA_X
ClientSampleId :
VX0719WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.0	78.0
134	27.8	13.5	40.5

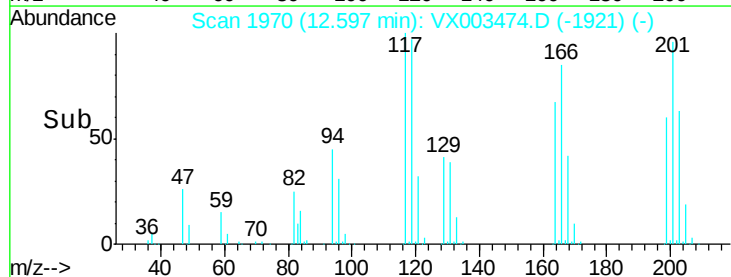
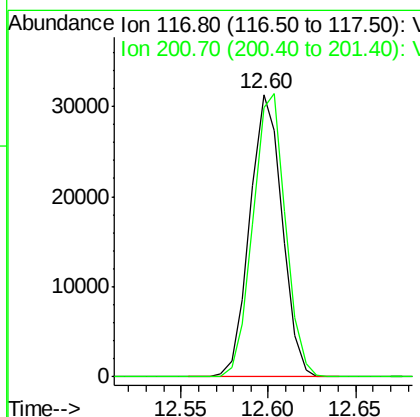
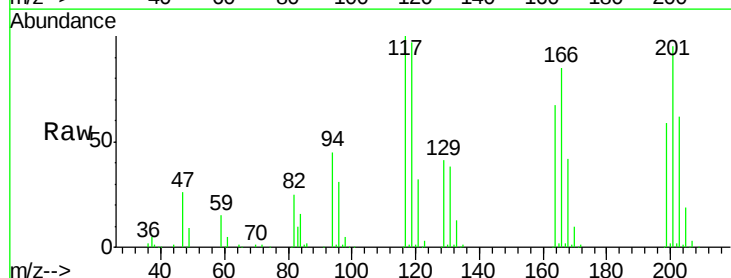
Manual Integrations
APPROVED

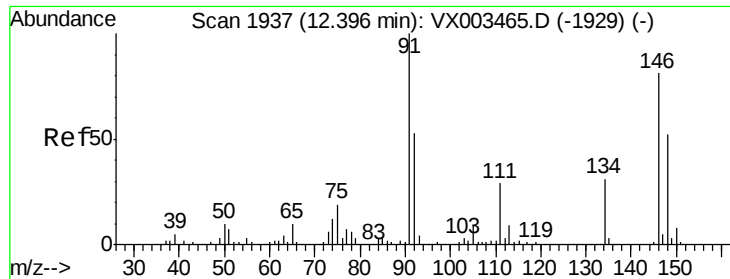
MMDadoda
7/20/2018 5:22:13 PM



#90
Hexachloroethane
Concen: 18.91 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX003474.D
Acq: 19 Jul 2018 20:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	100.7	49.0	147.0





#91

1,2-Dichlorobenzene

Concen: 19.67 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX003474.D

Acq: 19 Jul 2018 20:35

Instrument :

MSVOA_X

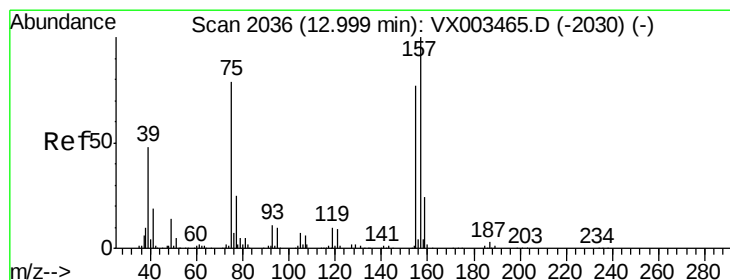
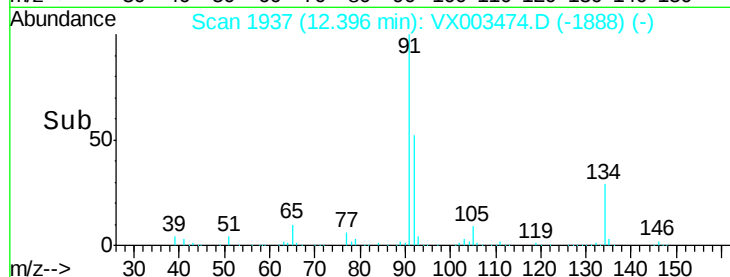
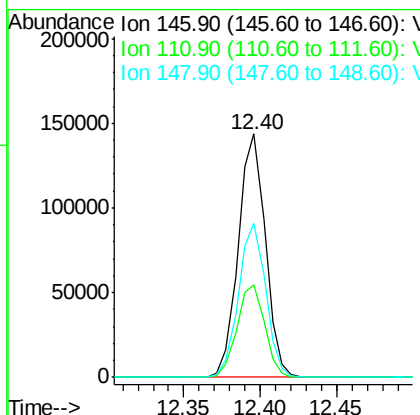
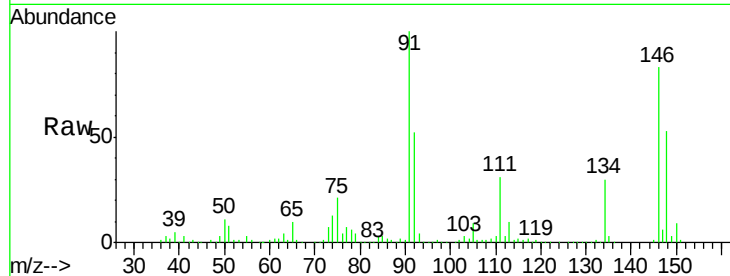
ClientSampleId :

VX0719WBS01

Tot Ion:	146	Resp:	176402
Ion Ratio	Lower	Upper	
146	100		
111	38.7	19.4	58.1
148	63.5	31.7	95.1

Manual Integrations
APPROVED

MMDadoda
7/20/2018 5:22:13 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.26 ug/l

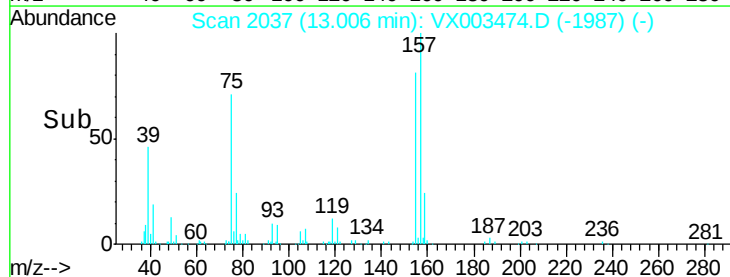
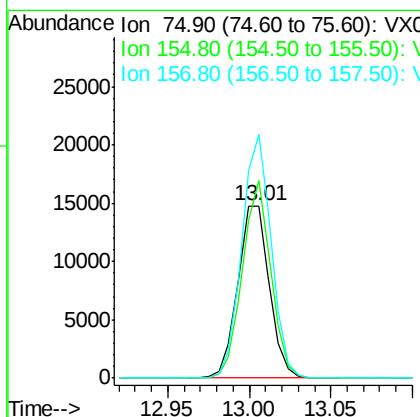
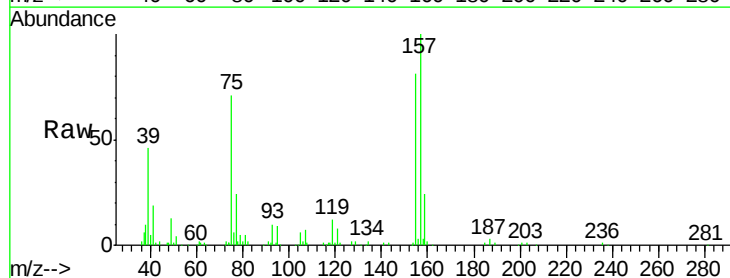
RT: 13.01 min Scan# 2037

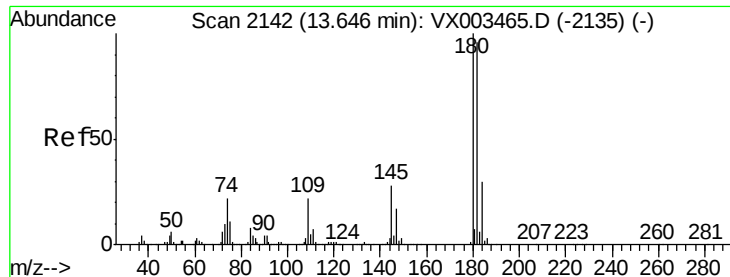
Delta R.T. 0.01 min

Lab File: VX003474.D

Acq: 19 Jul 2018 20:35

Tgt Ion:	75	Resp:	19889
Ion Ratio	Lower	Upper	
75	100		
155	103.4	45.8	137.4
157	131.8	60.1	180.3





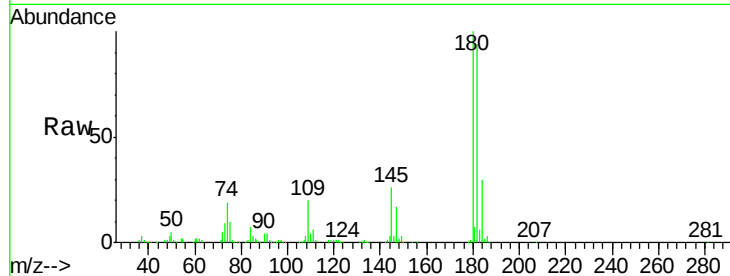
#93
1,2,4-Trichlorobenzene
Concen: 18.67 ug/l
RT: 13.65 min Scan# 2143
Delta R.T. 0.01 min
Lab File: VX003474.D
Acq: 19 Jul 2018 20:35

Instrument :
MSVOA_X
ClientSampleId :
VX0719WBS01

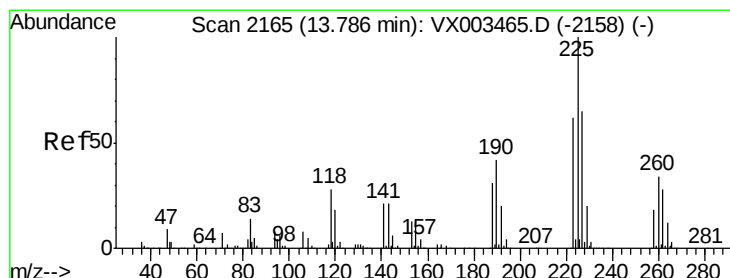
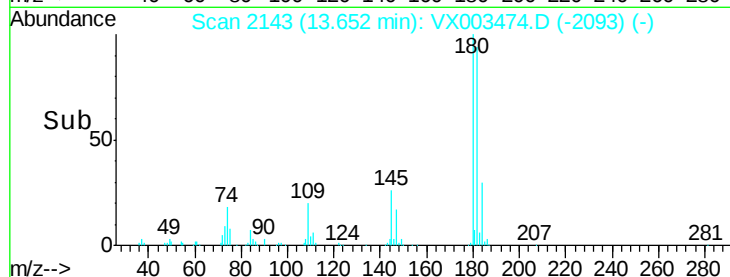
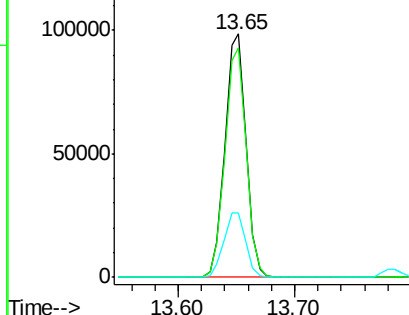
Tot Ion	Ratio	Resp	Lower	Upper
180	100	122719		
182	95.2	47.7	143.1	
145	27.6	14.1	42.4	

Manual Integrations
APPROVED

MMDadoda
7/20/2018 5:22:13 PM

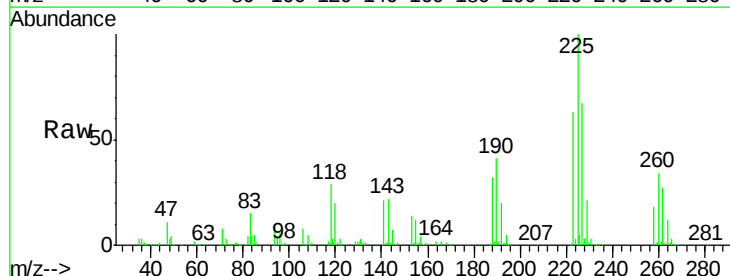


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

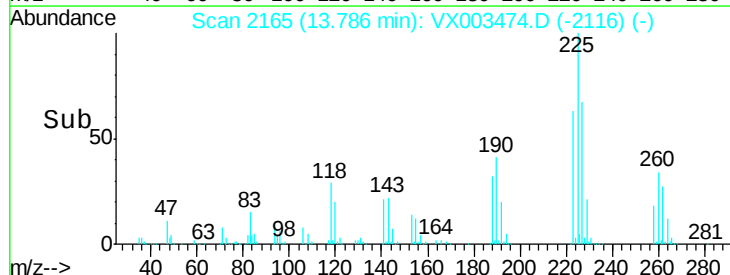
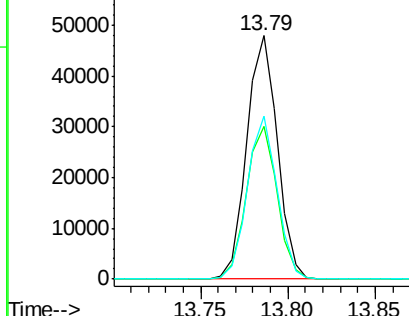


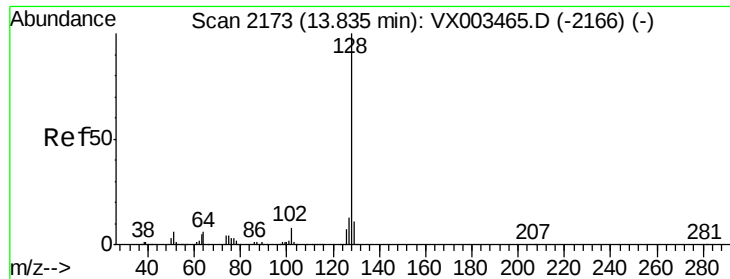
#94
Hexachlorobutadiene
Concen: 18.38 ug/l
RT: 13.79 min Scan# 2165
Delta R.T. -0.00 min
Lab File: VX003474.D
Acq: 19 Jul 2018 20:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	58106		
223	62.8	31.6	95.0	
227	64.9	32.4	97.2	



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: 20.29 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.00 min

Lab File: VX003474.D

Acq: 19 Jul 2018 20:35

Instrument :

MSVOA_X

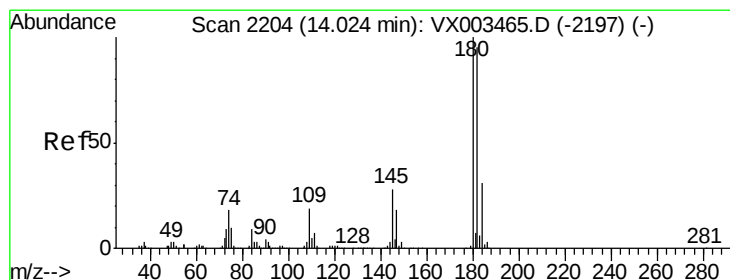
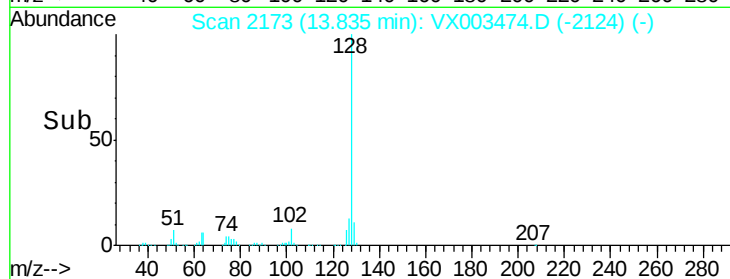
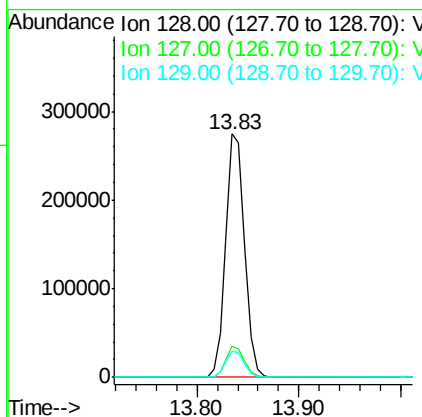
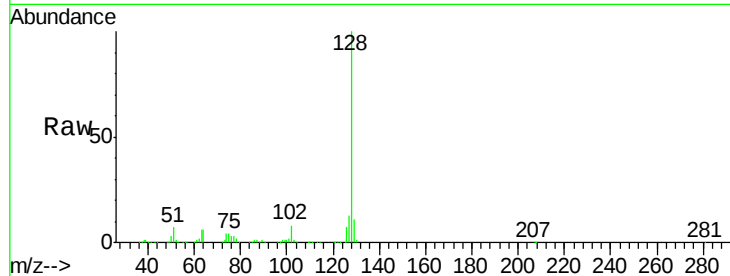
ClientSampleId :

VX0719WBS01

Tot Ion:	128	Resp:	350390
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.4	15.6
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
7/20/2018 5:22:13 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.08 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX003474.D

Acq: 19 Jul 2018 20:35

Tgt Ion:	180	Resp:	124114
Ion Ratio	Lower	Upper	
180	100		
182	95.9	48.0	144.0
145	29.2	14.8	44.3

