

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072018\
 Data File : VX003522.D
 Acq On : 20 Jul 2018 21:50
 Operator : JC/SP
 Sample : VX0720WBS03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0720WBS03

Manual Integrations
 APPROVED

MMDadoda
 7/23/2018 12:35:59 PM

Quant Time: Jul 21 03:57:50 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	278882	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	405450	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	394395	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	231094	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	193858	58.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.44%	
35) Dibromofluoromethane	5.51	113	170301	55.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.30%	
50) Toluene-d8	8.72	98	641113	55.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.46%	
62) 4-Bromofluorobenzene	11.14	95	231039	54.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.08%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	49746	22.066	ug/l	99
3) Chloromethane	1.32	50	65159	23.112	ug/l	97
4) Vinyl Chloride	1.40	62	72327	20.415	ug/l	99
5) Bromomethane	1.64	94	37111	25.096	ug/l	97
6) Chloroethane	1.72	64	45164	21.544	ug/l	100
7) Trichlorofluoromethane	1.93	101	99874	21.130	ug/l	99
8) Diethyl Ether	2.19	74	42695	21.032	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.39	101	62162	20.094	ug/l	99
10) Methyl Iodide	2.51	142	76652	20.626	ug/l	93
11) Tert butyl alcohol	3.07	59	80700	123.538	ug/l	99
12) 1,1-Dichloroethene	2.37	96	60071	21.089	ug/l	88
13) Acrolein	2.29	56	27576	93.430	ug/l	98
14) Allyl chloride	2.73	41	110369	21.888	ug/l	87
15) Acrylonitrile	3.15	53	191921	115.398	ug/l	97
16) Acetone	2.45	43	148944	119.446	ug/l	# 87
17) Carbon Disulfide	2.57	76	160927	20.890	ug/l	98
18) Methyl Acetate	2.78	43	95807	24.372	ug/l	94
19) Methyl tert-butyl Ether	3.21	73	208867	22.456	ug/l	99
20) Methylene Chloride	2.86	84	71332	22.927	ug/l	89
21) trans-1,2-Dichloroethene	3.17	96	66025	20.833	ug/l	96
22) Diisopropyl ether	3.88	45	217114	22.883	ug/l	93
23) Vinyl Acetate	3.82	43	859714	110.001	ug/l	96
24) 1,1-Dichloroethane	3.70	63	124805	22.419	ug/l	99
25) 2-Butanone	4.71	43	247768	118.427	ug/l	94
26) 2,2-Dichloropropane	4.59	77	74381	17.592	ug/l	94
27) cis-1,2-Dichloroethene	4.60	96	73830	20.922	ug/l	87
28) Bromochloromethane	5.02	49	56890	23.380	ug/l	91
29) Tetrahydrofuran	5.17	42	159240	115.219	ug/l	92
30) Chloroform	5.22	83	122671	22.566	ug/l	97
31) Cyclohexane	5.57	56	103530	20.815	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	103133	22.155	ug/l	98
36) 1,1-Dichloropropene	5.80	75	89296	20.399	ug/l	99
37) Ethyl Acetate	4.87	43	94862	22.901	ug/l	95
38) Carbon Tetrachloride	5.79	117	89156	20.764	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072018\
 Data File : VX003522.D
 Acq On : 20 Jul 2018 21:50
 Operator : JC/SP
 Sample : VX0720WBS03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0720WBS03

Manual Integrations
 APPROVED

MMDadoda
 7/23/2018 12:35:59 PM

Quant Time: Jul 21 03:57:50 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	101508	19.578	ug/l	96
40) Benzene	6.15	78	279860	21.175	ug/l	98
41) Methacrylonitrile	5.07	41	53267	21.880	ug/l	92
42) 1,2-Dichloroethane	6.20	62	93581	22.472	ug/l	96
43) Isopropyl Acetate	6.47	43	145325	22.055	ug/l	94
44) Trichloroethene	7.21	130	80654	20.462	ug/l	94
45) 1,2-Dichloropropane	7.52	63	72476	21.596	ug/l	100
46) Dibromomethane	7.67	93	47185	21.839	ug/l	98
47) Bromodichloromethane	7.90	83	86015	21.746	ug/l	100
48) Methyl methacrylate	7.78	41	74094	22.298	ug/l	86
49) 1,4-Dioxane	7.76	88	33371	443.222	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	484215	116.318	ug/l	92
52) Toluene	8.79	92	176138	21.172	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	100788	20.702	ug/l	99
54) cis-1,3-Dichloropropene	9.04	75	90163	20.594	ug/l	91
55) 1,1,2-Trichloroethane	9.22	97	72291	21.837	ug/l	98
56) Ethyl methacrylate	9.18	69	100332	21.517	ug/l #	85
57) 1,3-Dichloropropane	9.37	76	118057	22.062	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	243026	107.188	ug/l	98
59) 2-Hexanone	9.50	43	363732	117.929	ug/l	91
60) Dibromochloromethane	9.59	129	68991	21.055	ug/l	100
61) 1,2-Dibromoethane	9.68	107	73972	21.555	ug/l	100
64) Tetrachloroethene	9.34	164	97235	20.235	ug/l	95
65) Chlorobenzene	10.14	112	202534	19.931	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	69580	19.901	ug/l	98
67) Ethyl Benzene	10.26	91	328227	20.089	ug/l	98
68) m/p-Xylenes	10.36	106	257412	40.187	ug/l	97
69) o-Xylene	10.70	106	121513	19.618	ug/l	99
70) Styrene	10.71	104	206169	20.236	ug/l	97
71) Bromoform	10.86	173	51563	18.982	ug/l #	99
73) Isopropylbenzene	11.02	105	330222	20.662	ug/l	100
74) N-amyl acetate	6.47	43	145325	21.414	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.27	83	99132	21.166	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	91848m	22.124	ug/l	
77) Bromobenzene	11.26	156	92512	20.125	ug/l	98
78) n-propylbenzene	11.36	91	375294	21.125	ug/l	99
79) 2-Chlorotoluene	11.42	91	226072	20.962	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	279054	21.245	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	23969	17.989	ug/l	97
82) 4-Chlorotoluene	11.51	91	261840	20.719	ug/l	99
83) tert-Butylbenzene	11.77	119	261814	20.354	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	283316	21.198	ug/l	98
85) sec-Butylbenzene	11.95	105	322874	20.665	ug/l	100
86) p-Isopropyltoluene	12.07	119	289399	20.640	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	168227	19.909	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	169176	19.436	ug/l	100
89) n-Butylbenzene	12.39	91	233444	19.607	ug/l	99
90) Hexachloroethane	12.60	117	37414	18.770	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	170046	20.418	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	19173	21.036	ug/l	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072018\
Data File : VX003522.D
Acq On : 20 Jul 2018 21:50
Operator : JC/SP
Sample : VX0720WBS03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0720WBS03

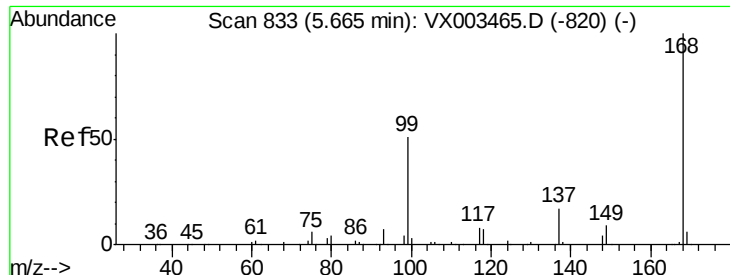
Manual Integrations
APPROVED

MMDadoda
7/23/2018 12:35:59 PM

Quant Time: Jul 21 03:57:50 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	114544	18.767	ug/l	99
94) Hexachlorobutadiene	13.79	225	53833	18.340	ug/l	99
95) Naphthalene	13.83	128	330764	20.623	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	116797	19.331	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003522.D

Acq: 20 Jul 2018 21:50

Instrument :

MSVOA_X

ClientSampleId :

VX0720WBS03

Tgt Ion:168 Resp: 278882

Ion Ratio Lower Upper

168 100

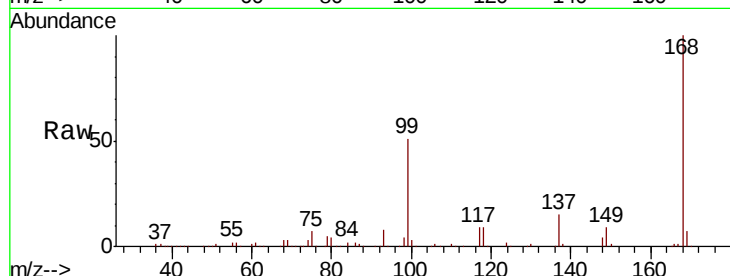
99 50.9 39.3 58.9

Manual Integrations

APPROVED

MMDadoda

7/23/2018 12:35:59 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

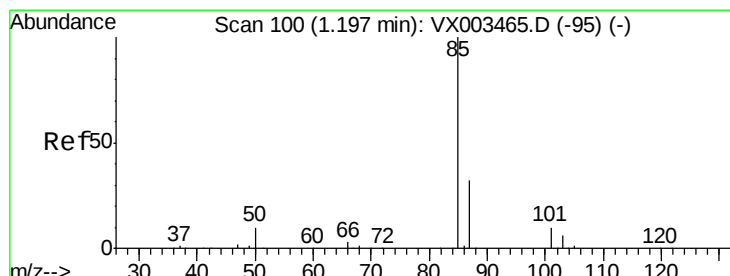
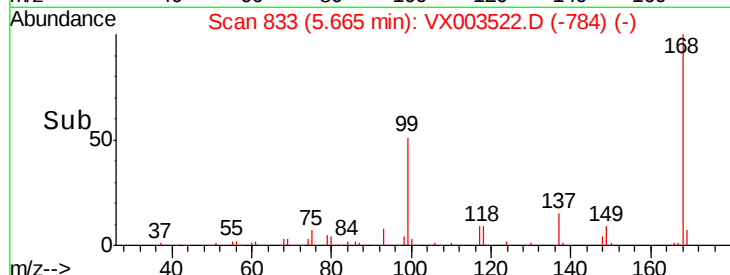
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 22.066 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003522.D

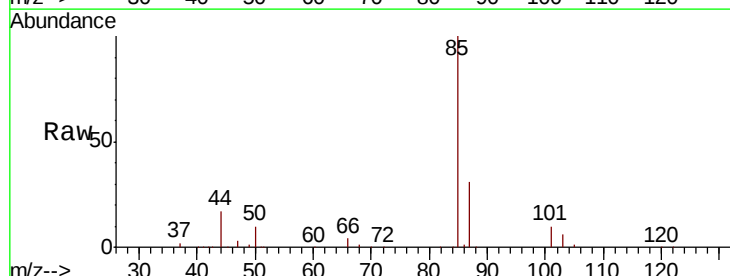
Acq: 20 Jul 2018 21:50

Tgt Ion: 85 Resp: 49746

Ion Ratio Lower Upper

85 100

87 31.4 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

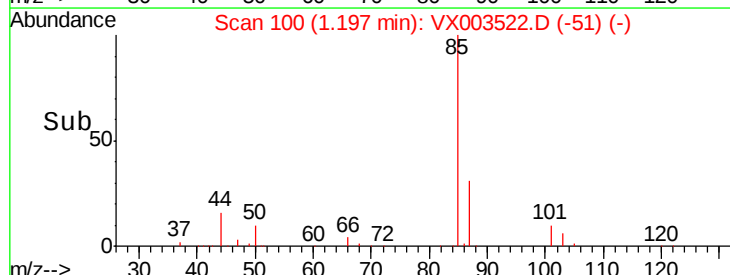
30000

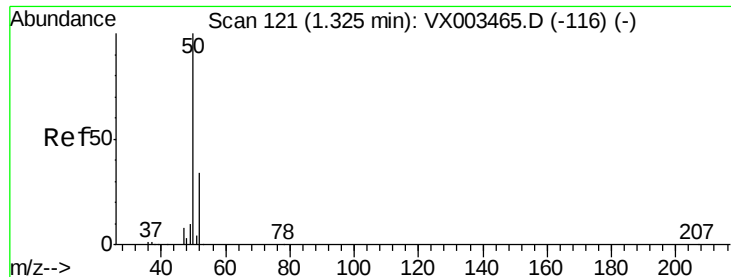
20000

10000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 23.112 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003522.D

Acq: 20 Jul 2018 21:50

Instrument :

MSVOA_X

ClientSampleId :

VX0720WBS03

Tgt Ion: 50 Resp: 65159

Ion Ratio Lower Upper

50 100

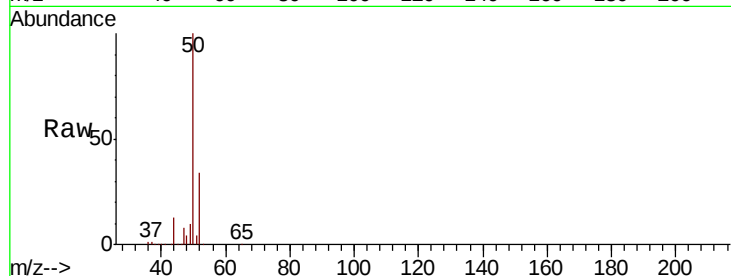
52 33.9 25.7 38.5

Manual Integrations

APPROVED

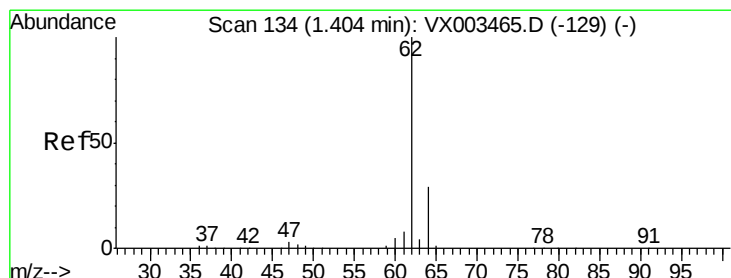
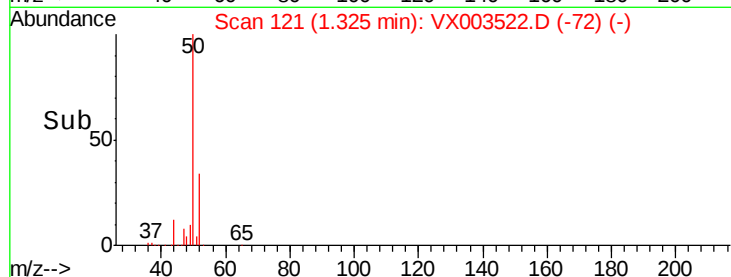
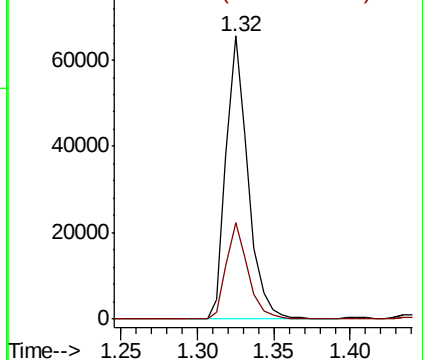
MMDadoda

7/23/2018 12:35:59 PM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 20.415 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003522.D

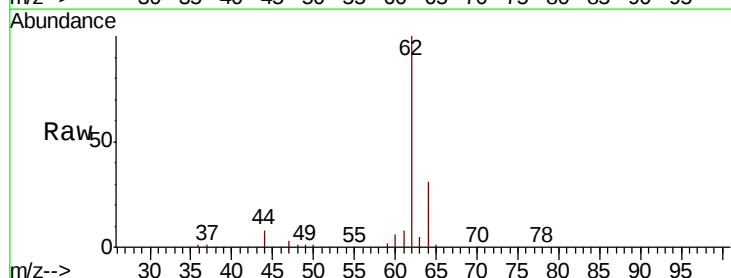
Acq: 20 Jul 2018 21:50

Tgt Ion: 62 Resp: 72327

Ion Ratio Lower Upper

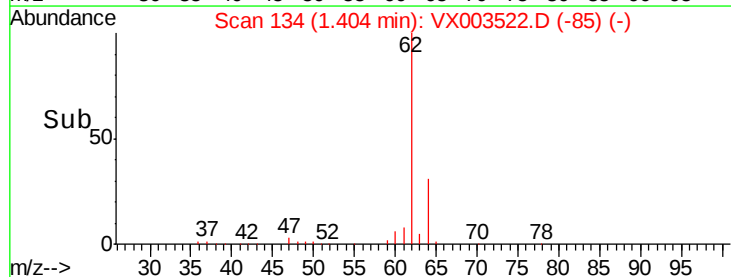
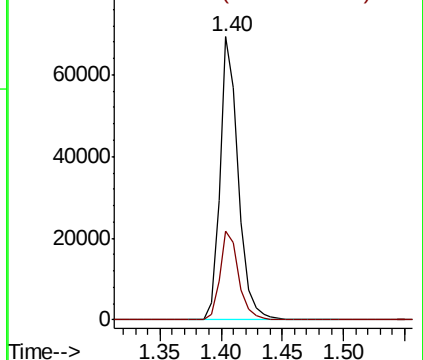
62 100

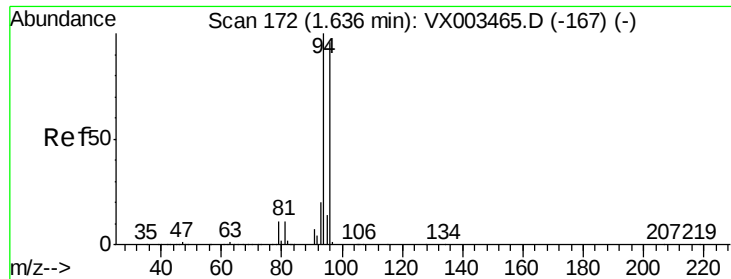
64 31.2 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 25.096 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003522.D

Acq: 20 Jul 2018 21:50

Instrument :

MSVOA_X

ClientSampleId :

VX0720WBS03

Tgt Ion: 94 Resp: 37111

Ion Ratio Lower Upper

94 100

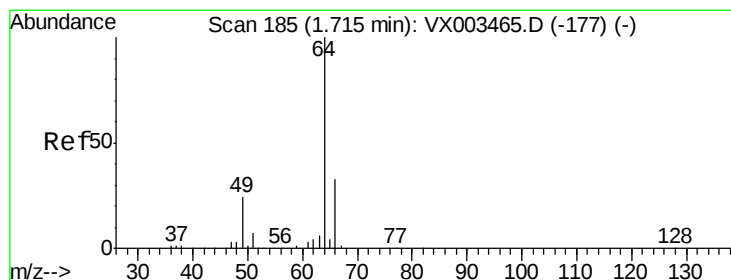
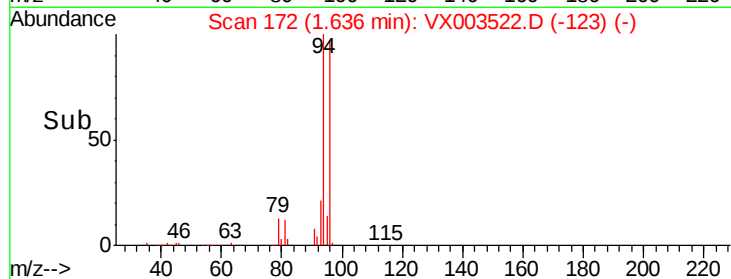
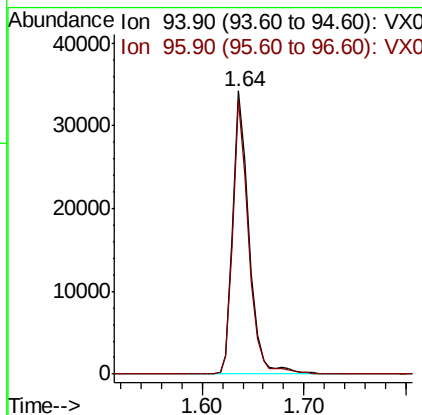
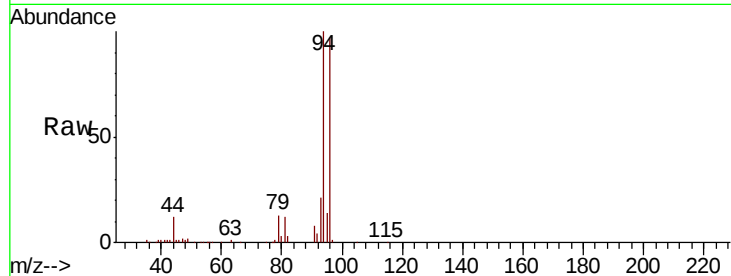
96 96.7 74.9 112.3

Manual Integrations

APPROVED

MMDadoda

7/23/2018 12:35:59 PM



#6

Chloroethane

Concen: 21.544 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX003522.D

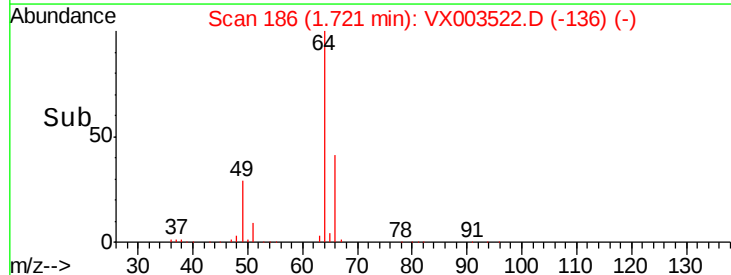
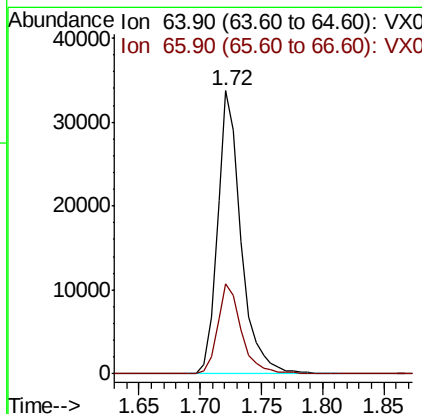
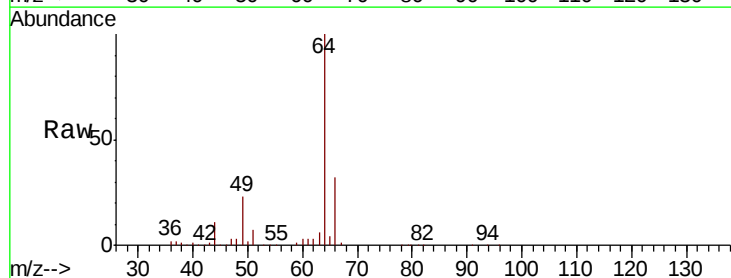
Acq: 20 Jul 2018 21:50

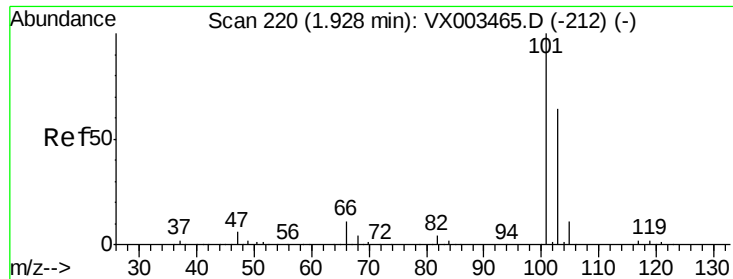
Tgt Ion: 64 Resp: 45164

Ion Ratio Lower Upper

64 100

66 31.9 25.5 38.3





#7

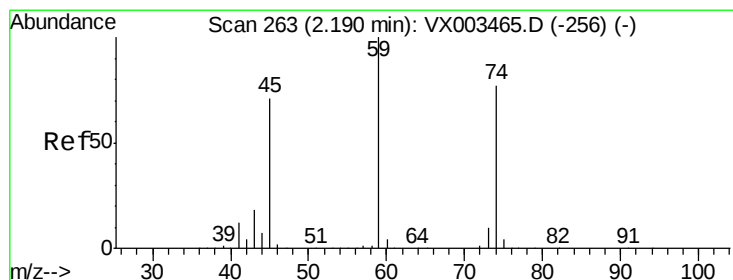
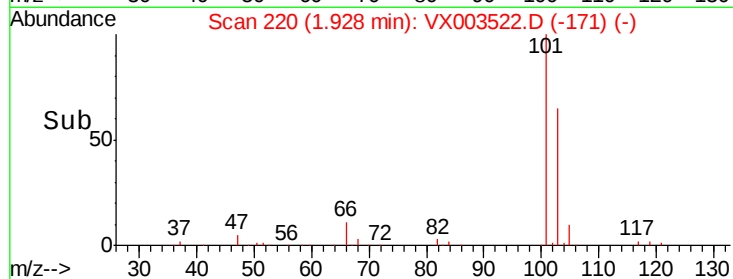
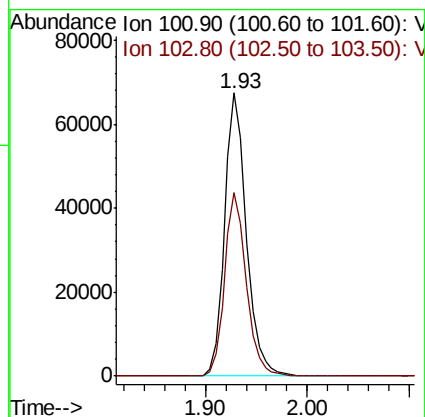
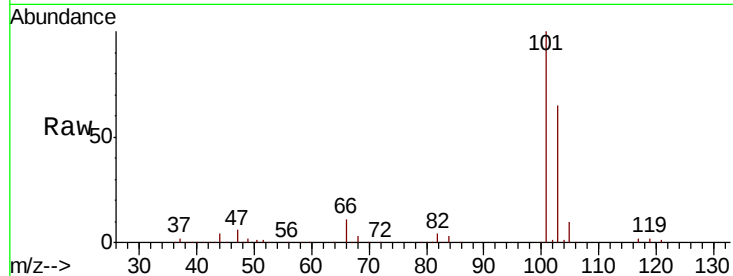
Trichlorofluoromethane
Concen: 21.130 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.00 min
Lab File: VX003522.D
Acq: 20 Jul 2018 21:50

Instrument :
MSVOA_X
ClientSampleId :
VX0720WBS03

Tgt Ion: 101 Resp: 99874
Ion Ratio Lower Upper
101 100
103 64.9 52.8 79.2

Manual Integrations
APPROVED

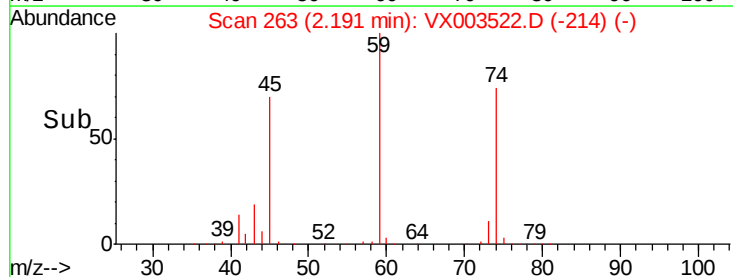
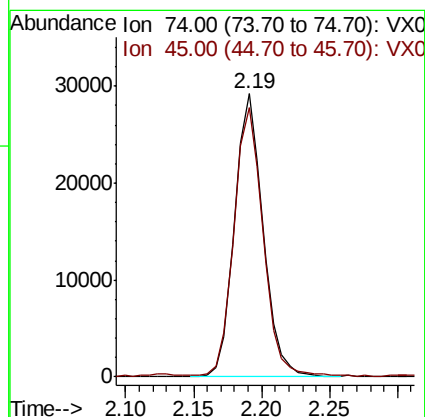
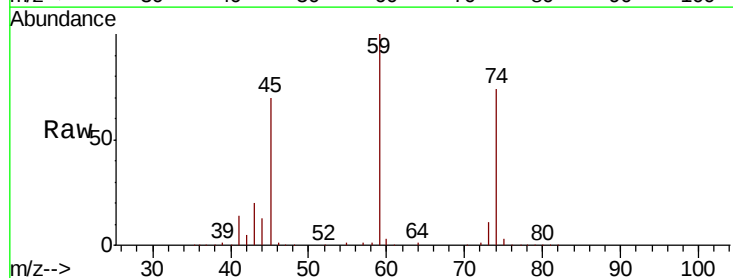
MMDadoda
7/23/2018 12:35:59 PM

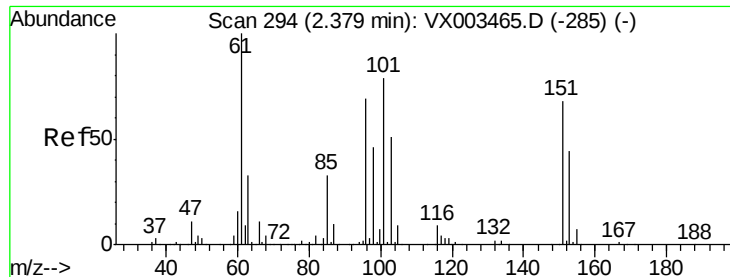


#8

Diethyl Ether
Concen: 21.032 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX003522.D
Acq: 20 Jul 2018 21:50

Tgt Ion: 74 Resp: 42695
Ion Ratio Lower Upper
74 100
45 96.0 53.1 159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.094 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX003522.D

Acq: 20 Jul 2018 21:50

Instrument :

MSVOA_X

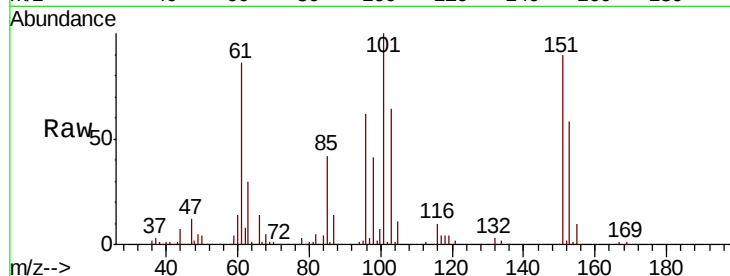
ClientSampleId :

VX0720WBS03

Tgt Ion:	101	Resp:	62162
Ion Ratio	Lower	Upper	
101	100		
85	42.4	36.0	54.0
151	88.8	70.9	106.3

Manual Integrations
APPROVED

MMDadoda
7/23/2018 12:35:59 PM

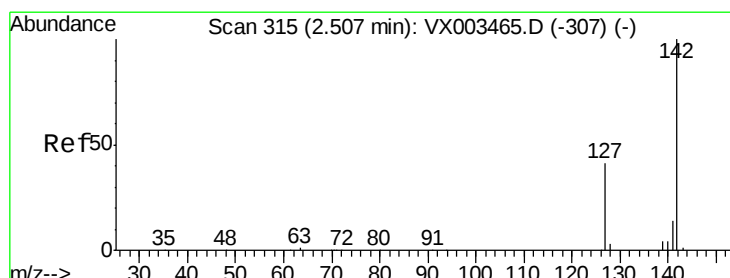
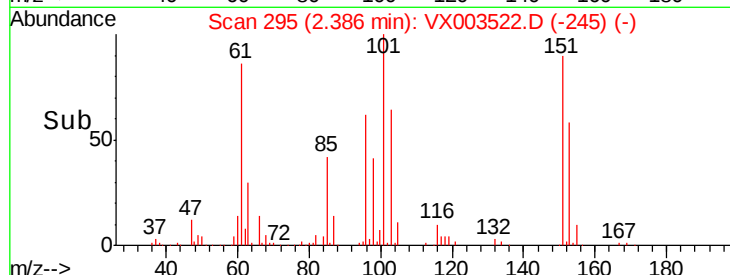
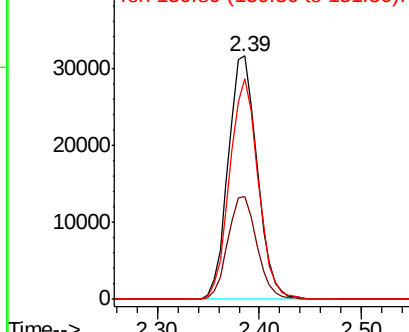


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.626 ug/l

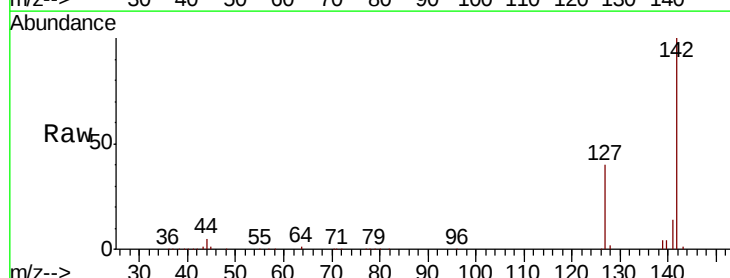
RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

Lab File: VX003522.D

Acq: 20 Jul 2018 21:50

Tgt Ion:	142	Resp:	76652
Ion Ratio	Lower	Upper	
142	100		
127	39.8	36.6	55.0
141	14.6	11.3	16.9

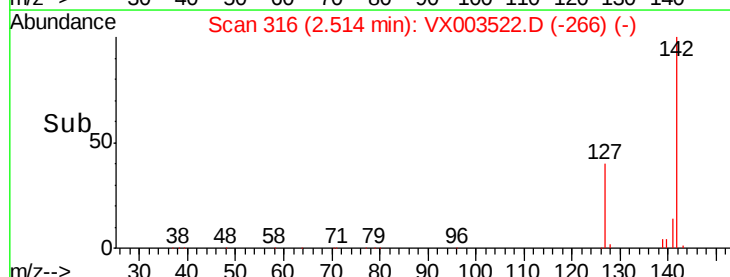
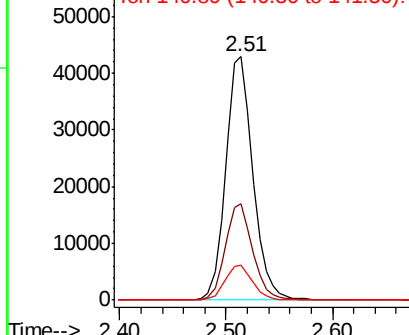


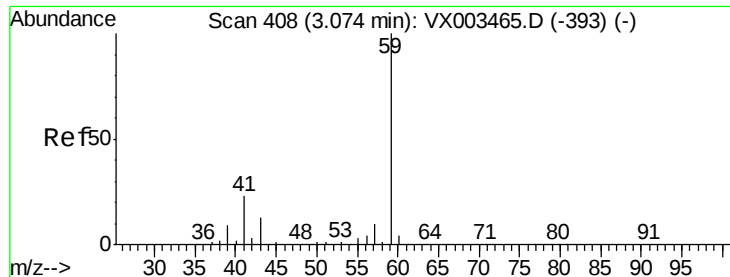
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





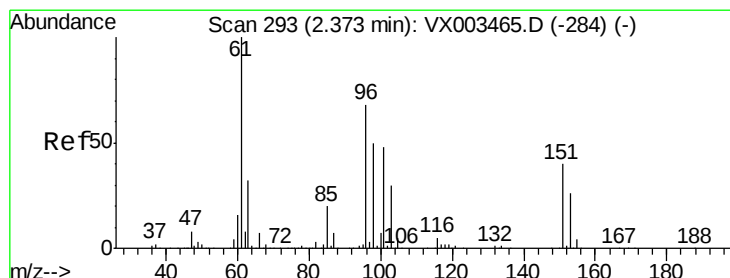
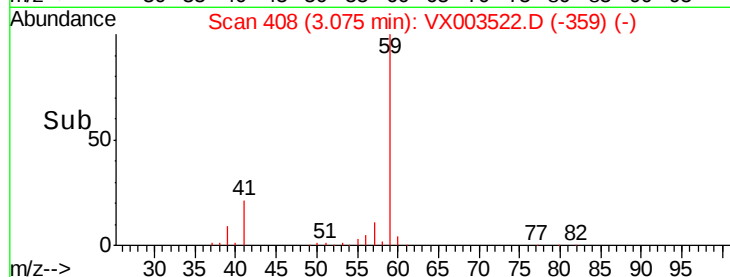
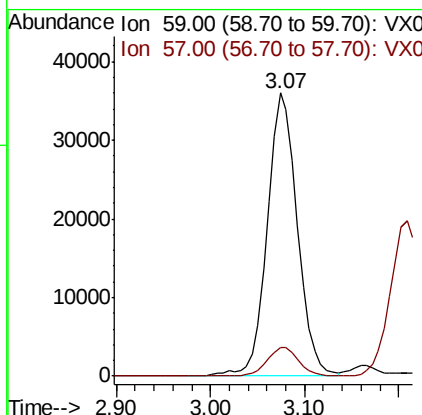
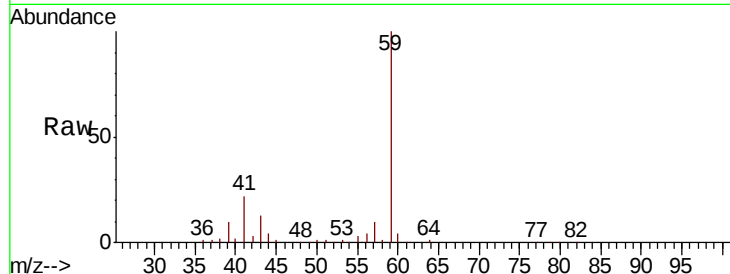
#11
Tert butyl alcohol
Concen: 123.538 ug/l
RT: 3.07 min Scan# 408
Delta R.T. 0.00 min
Lab File: VX003522.D
Acq: 20 Jul 2018 21:50

Instrument :
MSVOA_X
ClientSampleId :
VX0720WBS03

Tgt Ion: 59 Resp: 80700
Ion Ratio Lower Upper
59 100
57 10.6 8.2 12.2

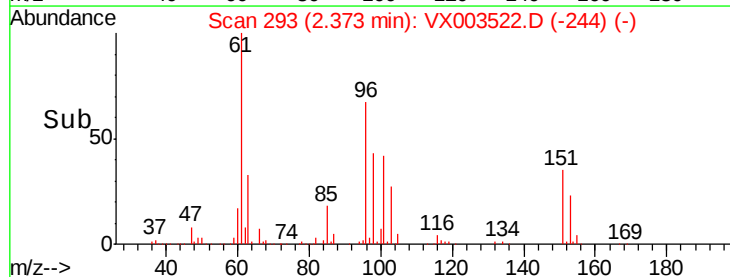
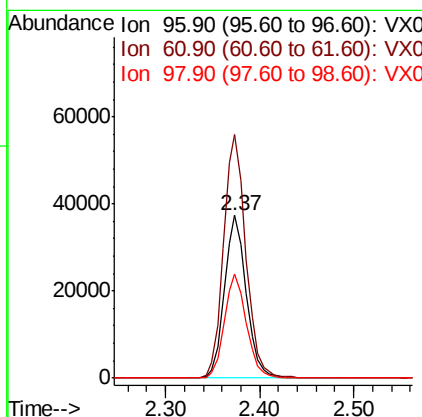
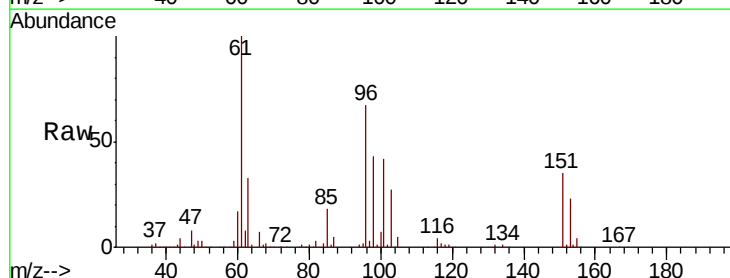
Manual Integrations
APPROVED

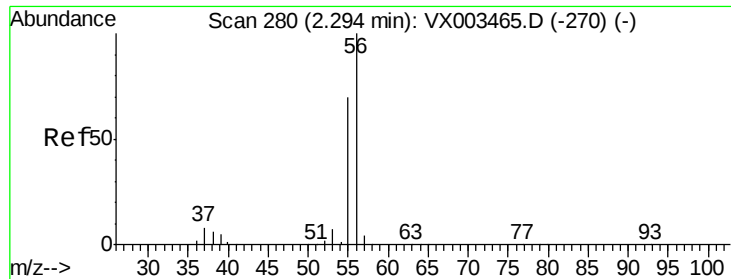
MMDadoda
7/23/2018 12:35:59 PM



#12
1,1-Dichloroethene
Concen: 21.089 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX003522.D
Acq: 20 Jul 2018 21:50

Tgt Ion: 96 Resp: 60071
Ion Ratio Lower Upper
96 100
61 149.8 137.9 206.9
98 63.8 51.6 77.4





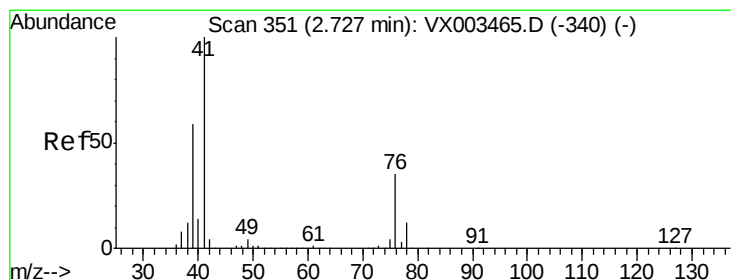
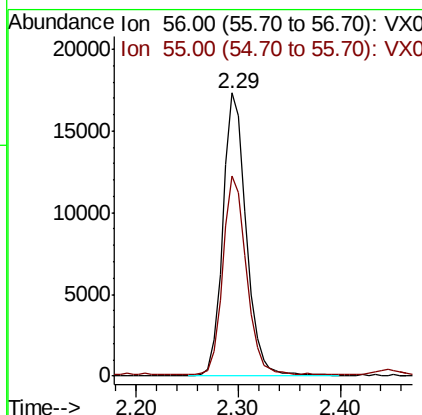
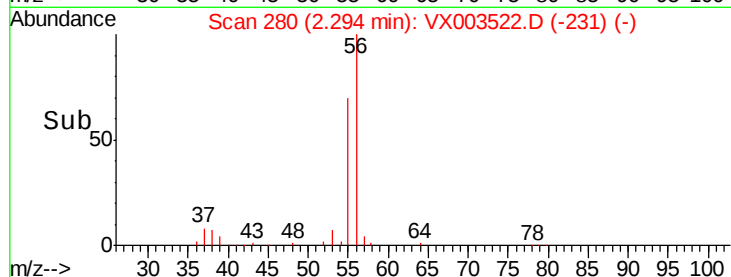
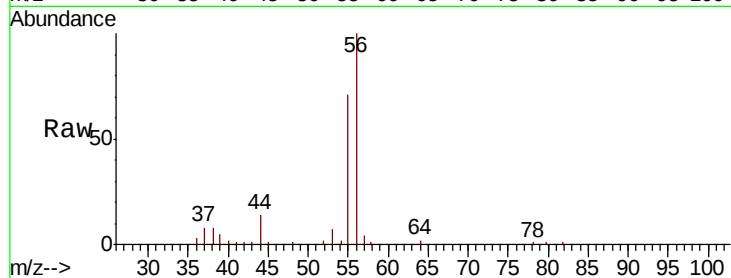
#13
Acrolein
Concen: 93.430 ug/l
RT: 2.29 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX003522.D
Acq: 20 Jul 2018 21:50

Instrument :
MSVOA_X
ClientSampleId :
VX0720WBS03

Tgt Ion: 56 Resp: 27576
Ion Ratio Lower Upper
56 100
55 69.8 57.0 85.4

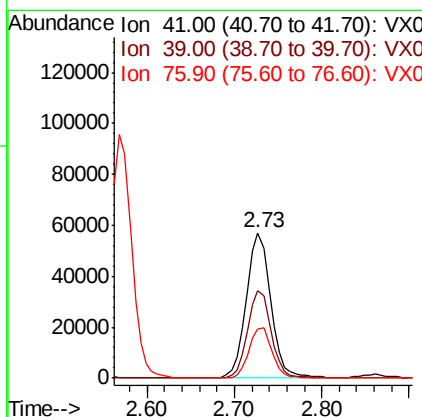
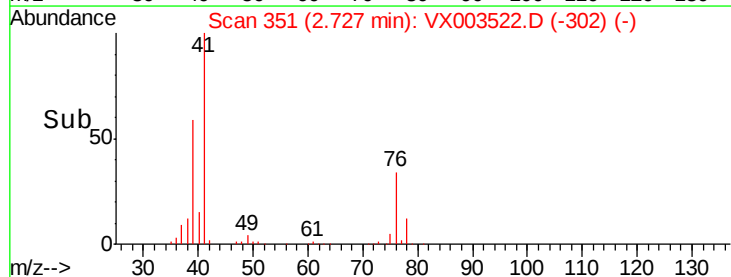
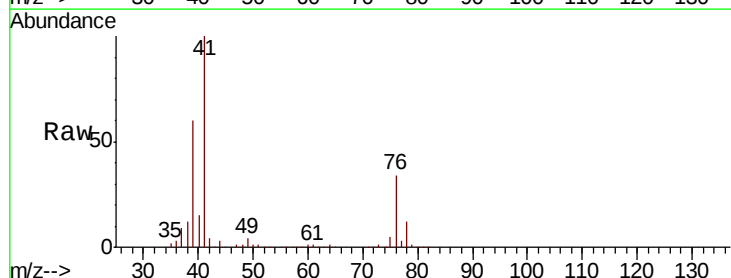
Manual Integrations
APPROVED

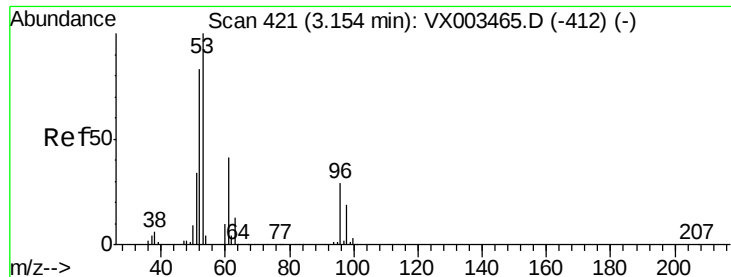
MMDadoda
7/23/2018 12:35:59 PM



#14
Allyl chloride
Concen: 21.888 ug/l
RT: 2.73 min Scan# 351
Delta R.T. 0.00 min
Lab File: VX003522.D
Acq: 20 Jul 2018 21:50

Tgt Ion: 41 Resp: 110369
Ion Ratio Lower Upper
41 100
39 57.6 56.8 85.2
76 33.1 23.8 35.8





#15

Acrylonitrile

Concen: 115.398 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003522.D

Acq: 20 Jul 2018 21:50

Instrument :

MSVOA_X

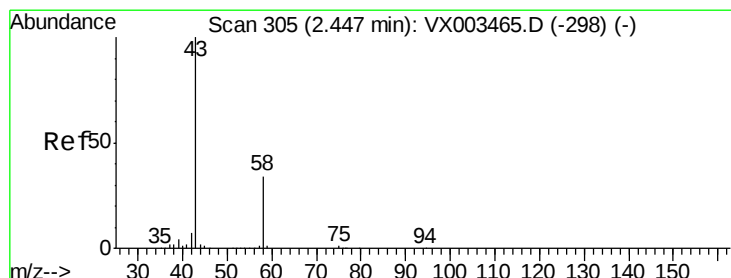
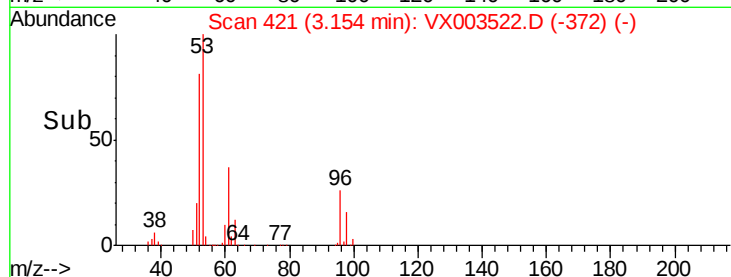
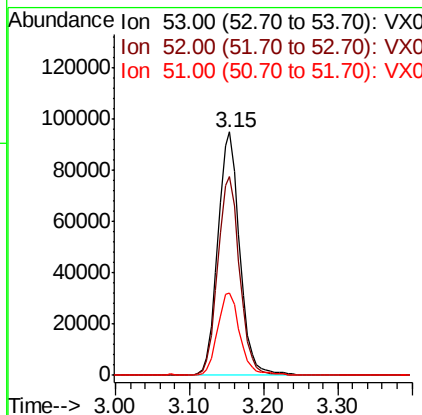
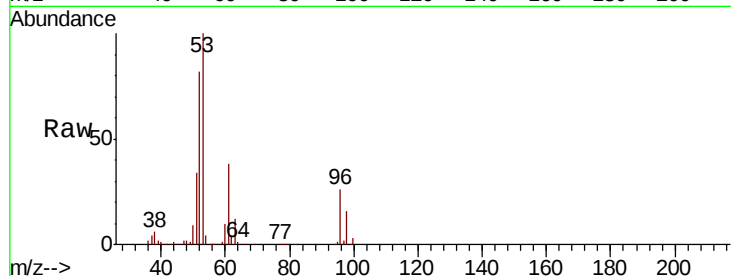
ClientSampleId :

VX0720WBS03

Tgt Ion:	53	Resp:	191921
Ion Ratio		Lower	Upper
53	100		
52	81.7	66.7	100.1
51	34.8	29.9	44.9

Manual Integrations
APPROVED

MMDadoda
7/23/2018 12:35:59 PM



#16

Acetone

Concen: 119.446 ug/l

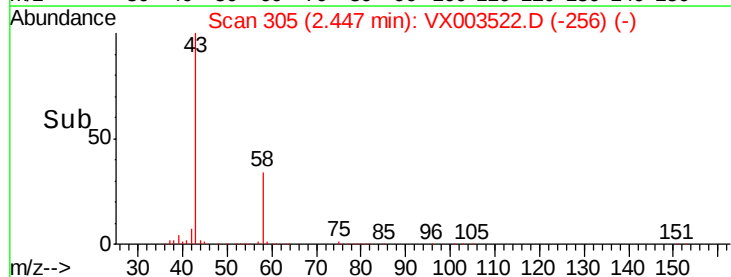
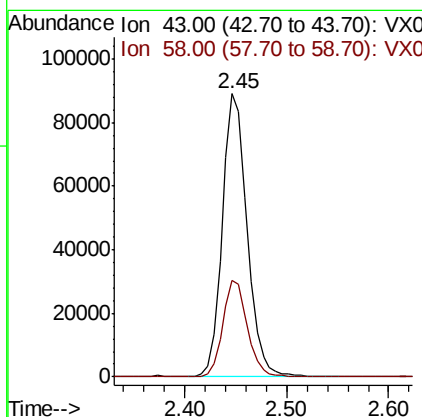
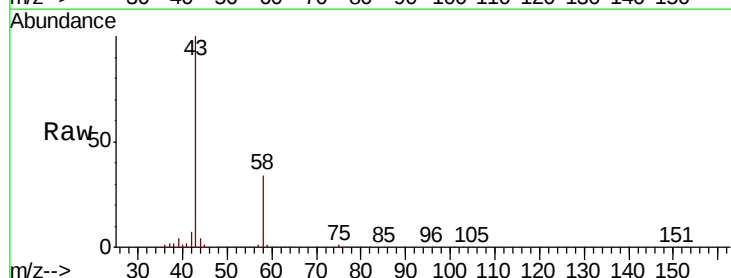
RT: 2.45 min Scan# 305

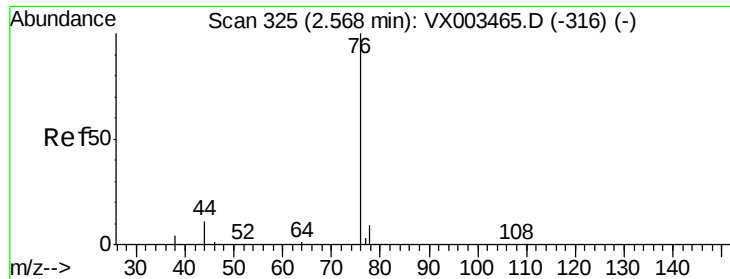
Delta R.T. 0.00 min

Lab File: VX003522.D

Acq: 20 Jul 2018 21:50

Tgt Ion:	43	Resp:	148944
Ion Ratio		Lower	Upper
43	100		
58	34.2	22.1	33.1#





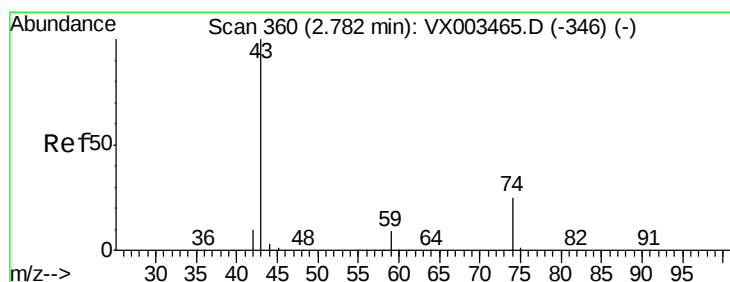
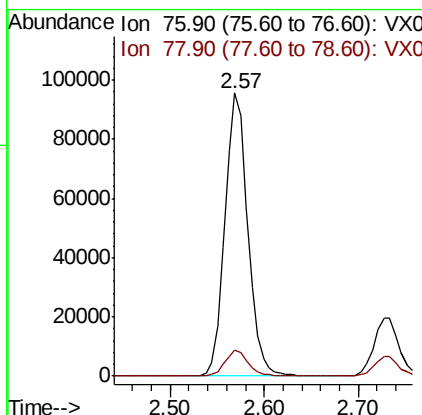
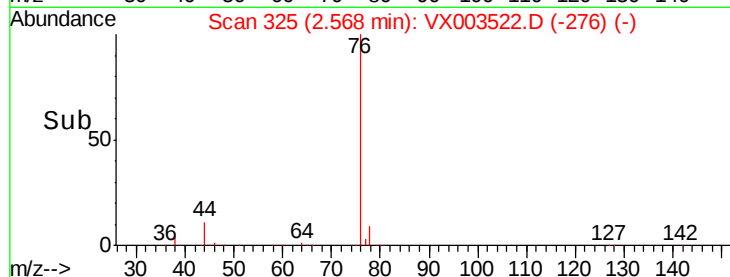
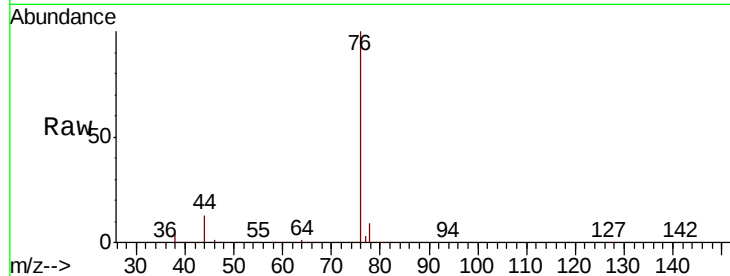
#17
Carbon Disulfide
Concen: 20.890 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX003522.D
Acq: 20 Jul 2018 21:50

Instrument :
MSVOA_X
ClientSampleId :
VX0720WBS03

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.3	6.9	10.3

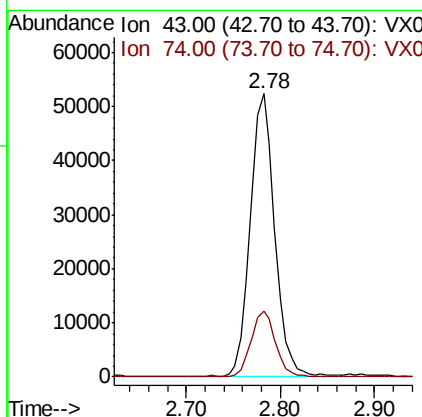
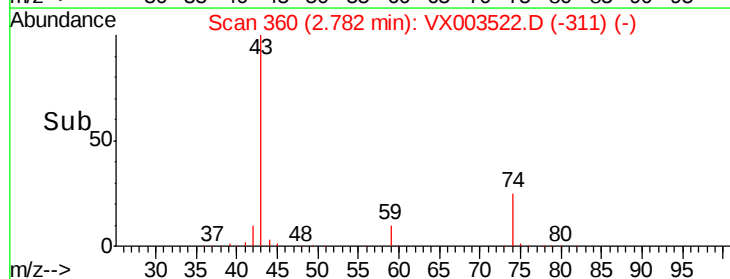
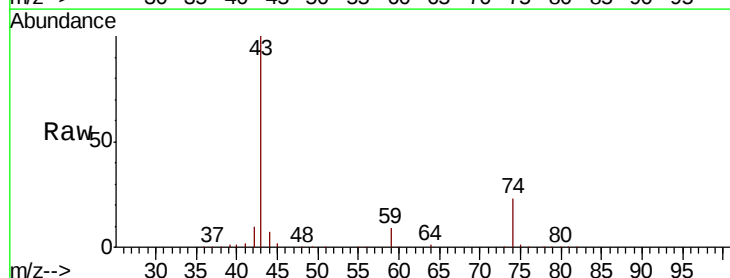
Manual Integrations
APPROVED

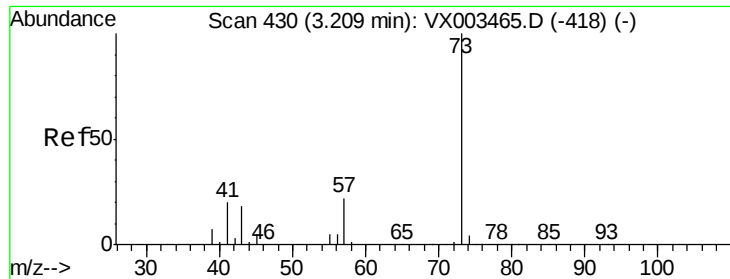
MMDadoda
7/23/2018 12:35:59 PM



#18
Methyl Acetate
Concen: 24.372 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX003522.D
Acq: 20 Jul 2018 21:50

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	16.7	25.1





#19

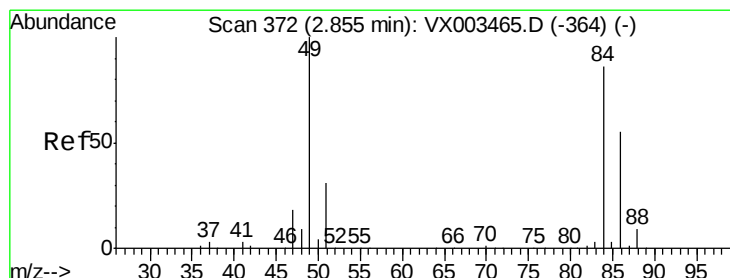
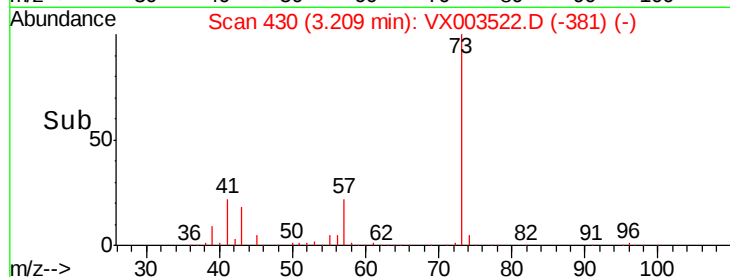
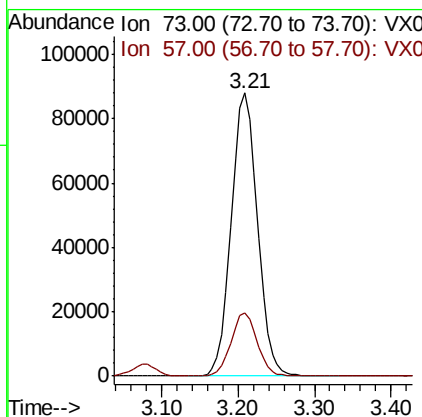
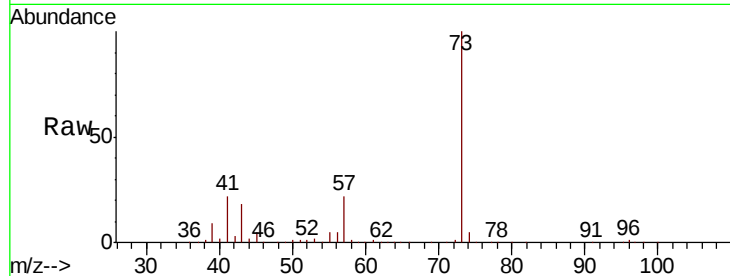
Methyl tert-butyl Ether
 Concen: 22.456 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. 0.00 min
 Lab File: VX003522.D
 Acq: 20 Jul 2018 21:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0720WBS03

Tgt Ion	Ratio	Lower	Upper
73	100		
57	22.4	17.7	26.5

Manual Integrations
 APPROVED

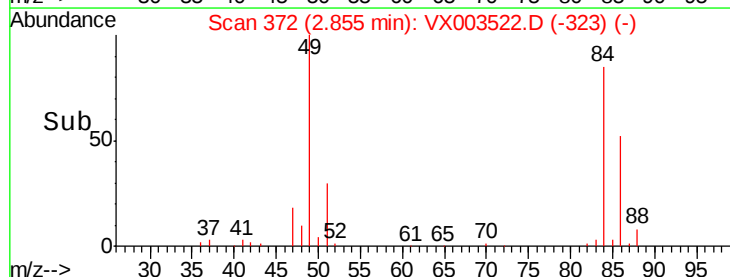
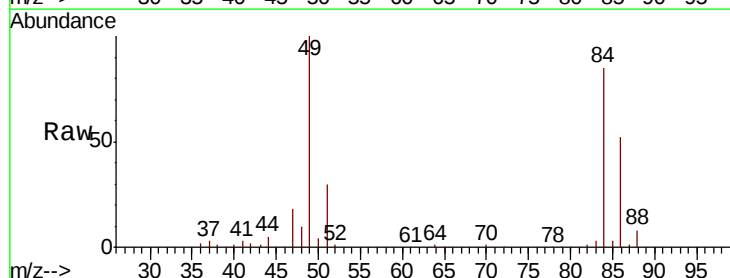
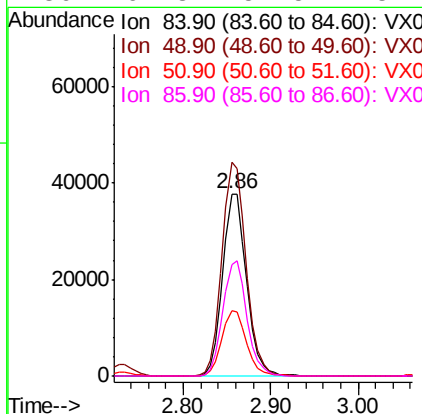
MMDadoda
 7/23/2018 12:35:59 PM

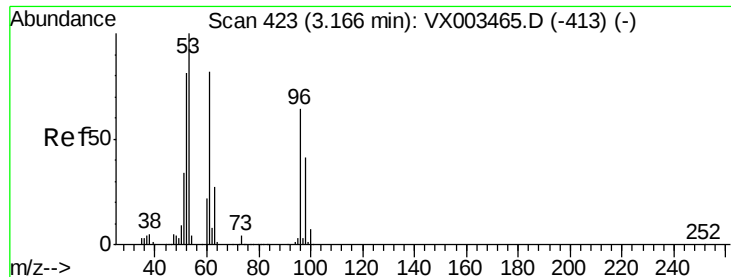


#20

Methylene Chloride
 Concen: 22.927 ug/l
 RT: 2.86 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VX003522.D
 Acq: 20 Jul 2018 21:50

Tgt Ion	Ratio	Lower	Upper
84	100		
49	117.2	107.8	161.6
51	35.7	32.8	49.2
86	61.3	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 20.833 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX003522.D

Acq: 20 Jul 2018 21:50

Instrument :

MSVOA_X

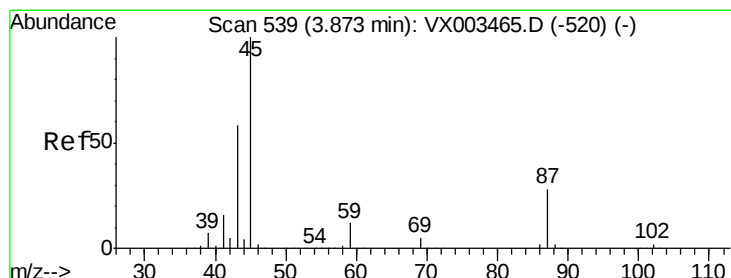
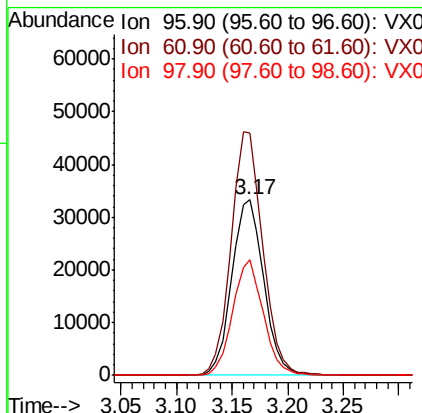
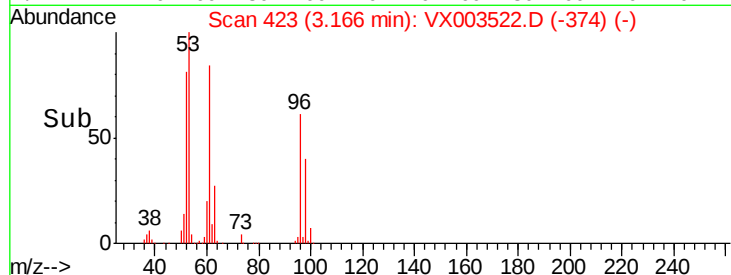
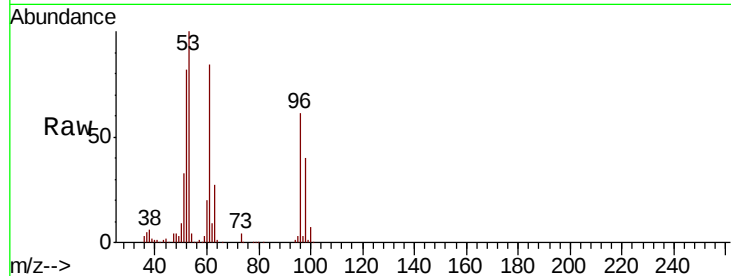
ClientSampleId :

VX0720WBS03

Tgt Ion:	96	Resp:	66025
Ion Ratio	Lower	Upper	
96	100		
61	138.2	117.0	175.4
98	65.6	52.4	78.6

Manual Integrations
APPROVED

MMDadoda
7/23/2018 12:35:59 PM



#22

Diisopropyl ether

Concen: 22.883 ug/l

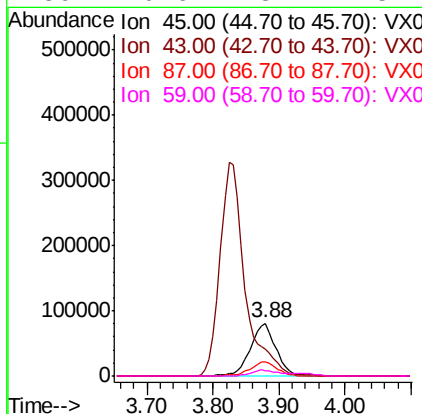
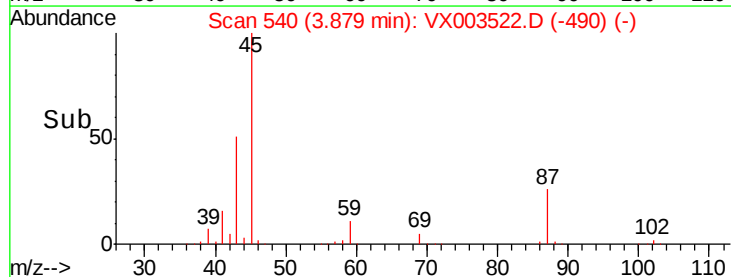
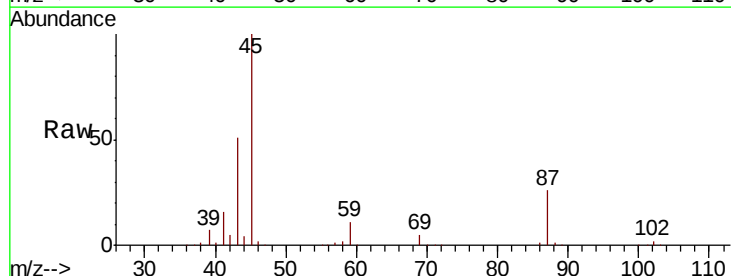
RT: 3.88 min Scan# 540

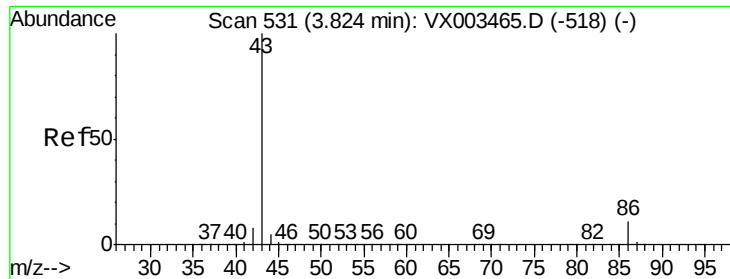
Delta R.T. 0.01 min

Lab File: VX003522.D

Acq: 20 Jul 2018 21:50

Tgt Ion:	45	Resp:	217114
Ion Ratio	Lower	Upper	
45	100		
43	50.9	46.8	70.2
87	25.7	20.2	30.4
59	10.6	8.7	13.1





#23

Vinyl Acetate

Concen: 110.001 ug/l

RT: 3.82 min Scan# 531

Delta R.T. 0.00 min

Lab File: VX003522.D

Acq: 20 Jul 2018 21:50

Instrument :

MSVOA_X

ClientSampleId :

VX0720WBS03

Tgt Ion: 43 Resp: 859714

Ion Ratio Lower Upper

43 100

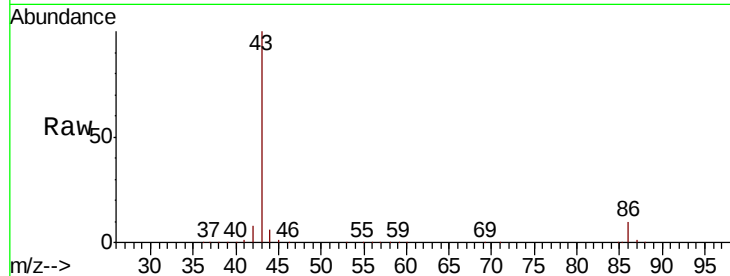
86 10.5 7.4 11.0

Manual Integrations

APPROVED

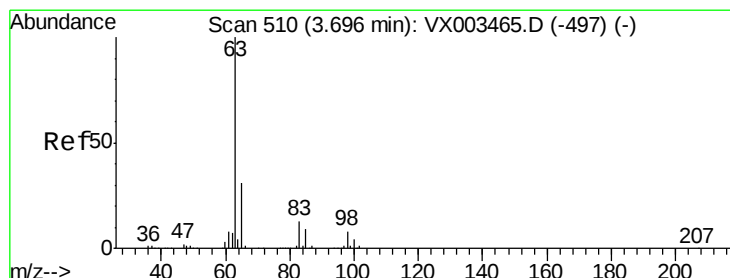
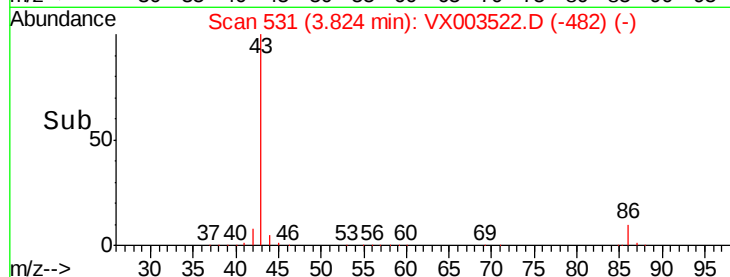
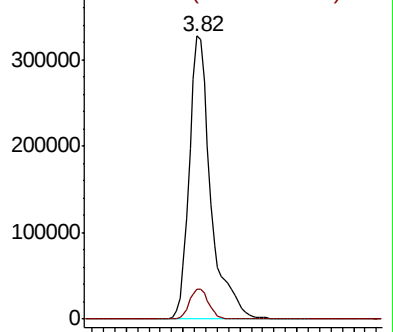
MMDadoda

7/23/2018 12:35:59 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 22.419 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003522.D

Acq: 20 Jul 2018 21:50

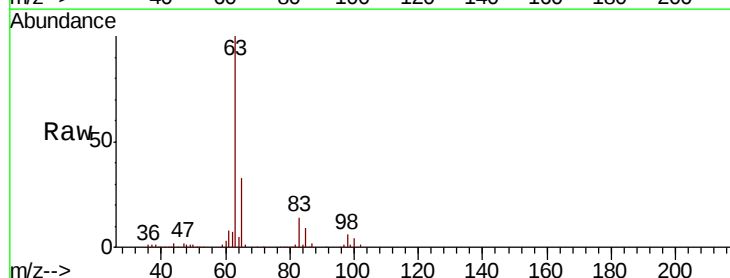
Tgt Ion: 63 Resp: 124805

Ion Ratio Lower Upper

63 100

98 6.4 3.4 10.2

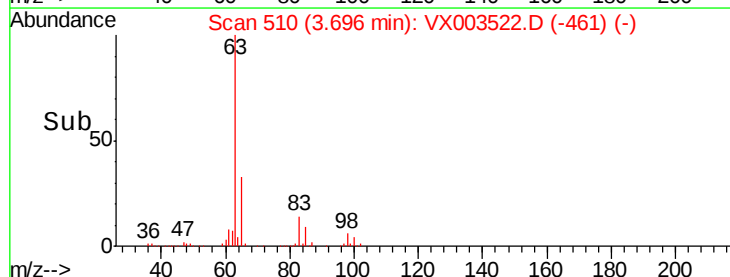
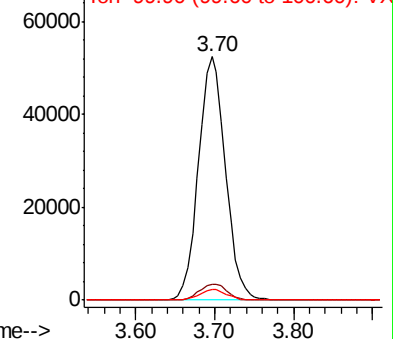
100 4.5 2.0 6.0

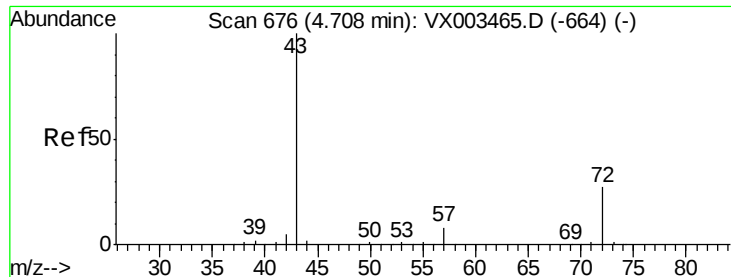


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 118.427 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.00 min

Lab File: VX003522.D

Acq: 20 Jul 2018 21:50

Instrument :

MSVOA_X

ClientSampleId :

VX0720WBS03

Tgt Ion: 43 Resp: 247768

Ion Ratio Lower Upper

43 100

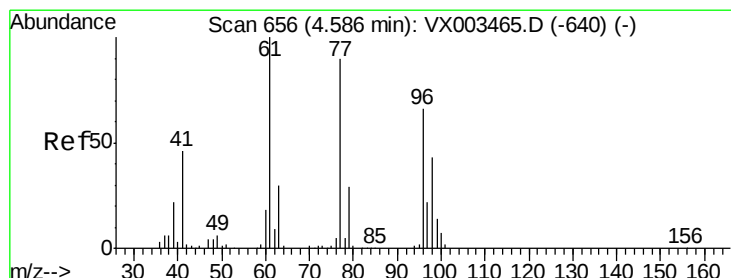
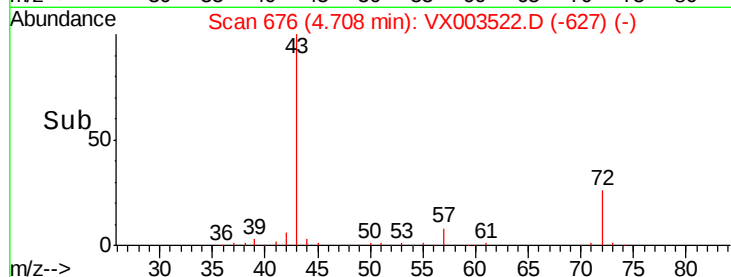
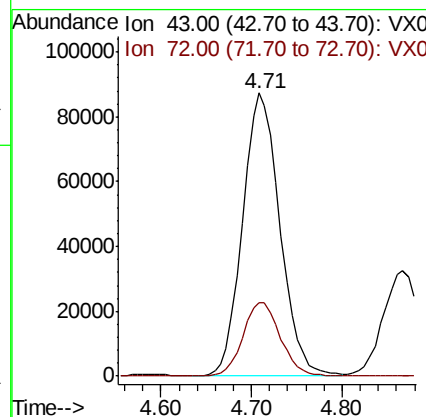
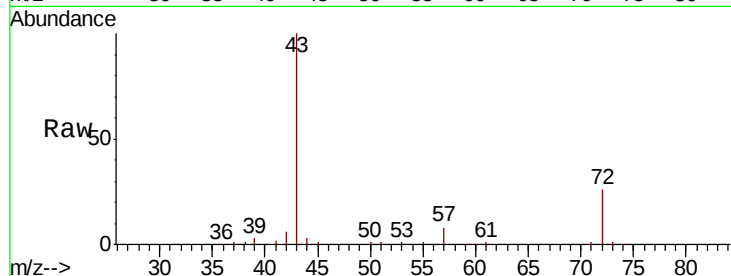
72 25.9 18.5 27.7

Manual Integrations

APPROVED

MMDadoda

7/23/2018 12:35:59 PM



#26

2,2-Dichloropropane

Concen: 17.592 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX003522.D

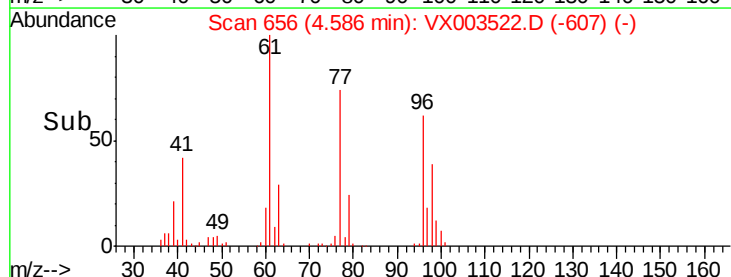
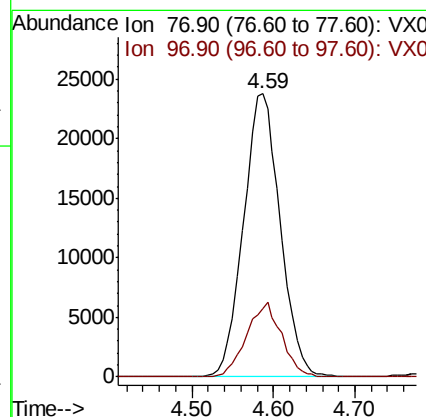
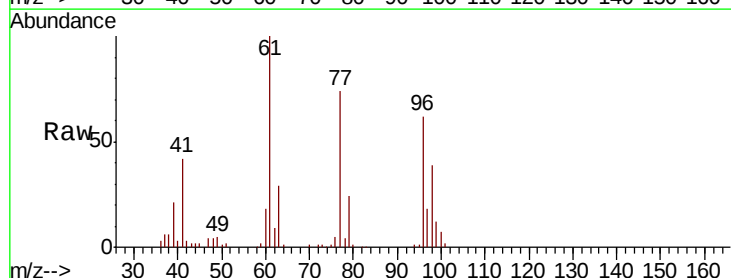
Acq: 20 Jul 2018 21:50

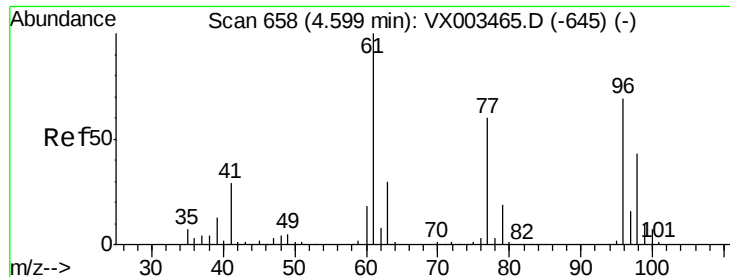
Tgt Ion: 77 Resp: 74381

Ion Ratio Lower Upper

77 100

97 25.0 11.2 33.5





#27

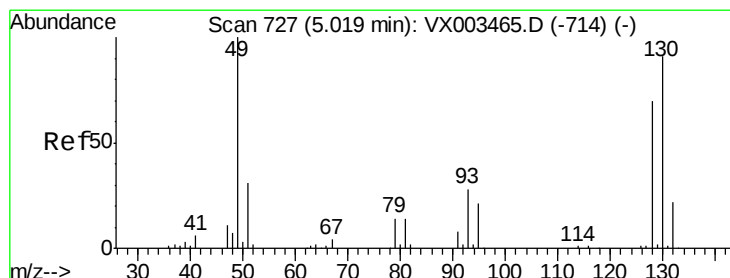
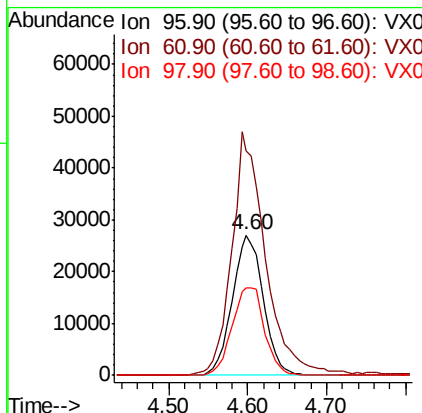
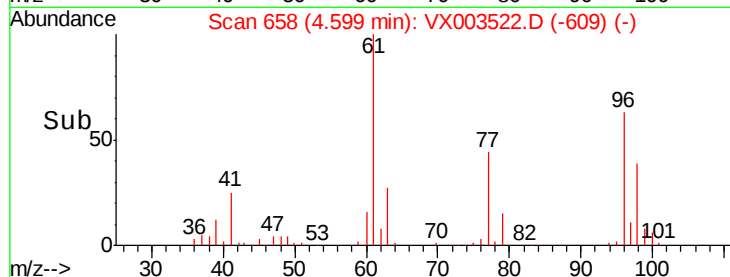
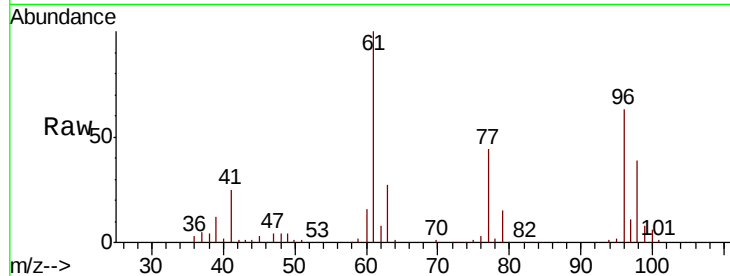
cis-1,2-Dichloroethene
Concen: 20.922 ug/l
RT: 4.60 min Scan# 658
Delta R.T. 0.00 min
Lab File: VX003522.D
Acq: 20 Jul 2018 21:50

Instrument :
MSVOA_X
ClientSampleId :
VX0720WBS03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	189.0	0.0	330.2
98	65.5	0.0	130.2

Manual Integrations
APPROVED

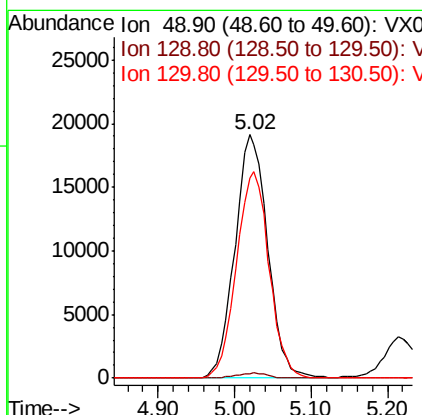
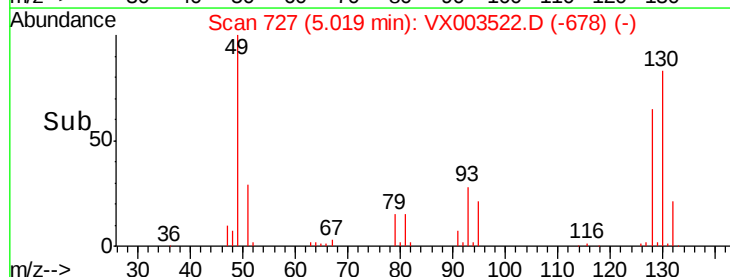
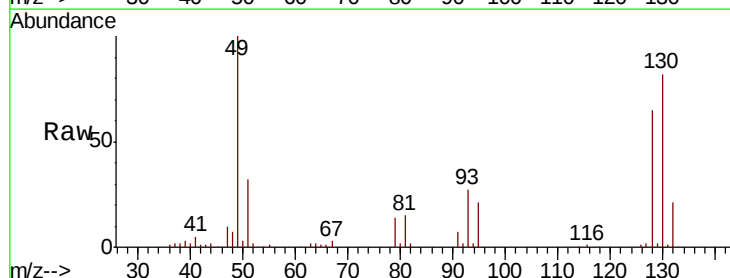
MMDadoda
7/23/2018 12:35:59 PM

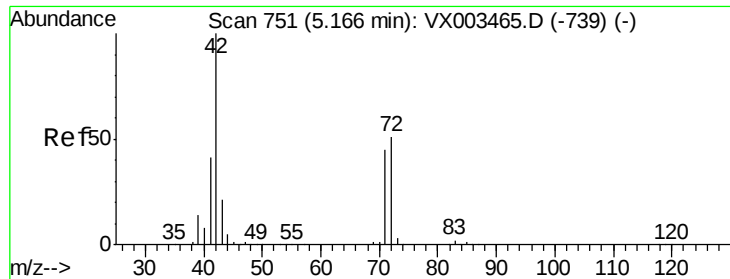


#28

Bromochloromethane
Concen: 23.380 ug/l
RT: 5.02 min Scan# 727
Delta R.T. 0.00 min
Lab File: VX003522.D
Acq: 20 Jul 2018 21:50

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.2
130	84.5	61.2	91.8





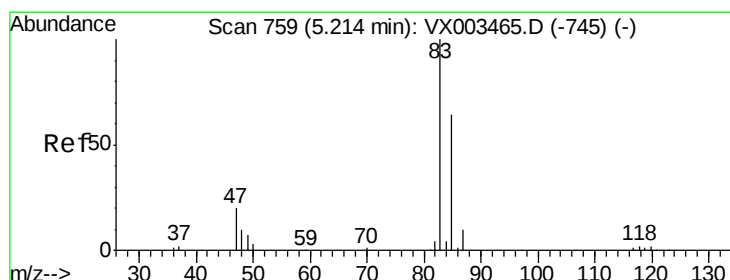
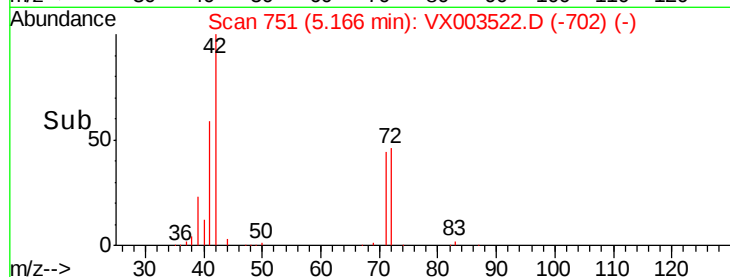
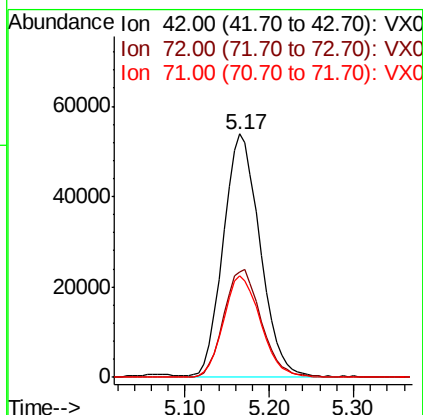
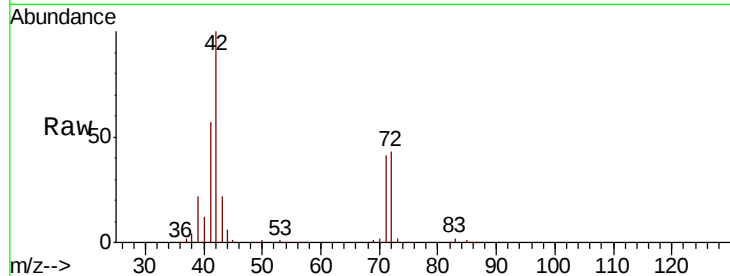
#29
Tetrahydrofuran
Concen: 115.219 ug/l
RT: 5.17 min Scan# 751
Delta R.T. 0.00 min
Lab File: VX003522.D
Acq: 20 Jul 2018 21:50

Instrument :
MSVOA_X
ClientSampleId :
VX0720WBS03

Tgt Ion	Ratio	Lower	Upper
42	100		
72	45.3	32.0	48.0
71	42.5	30.1	45.1

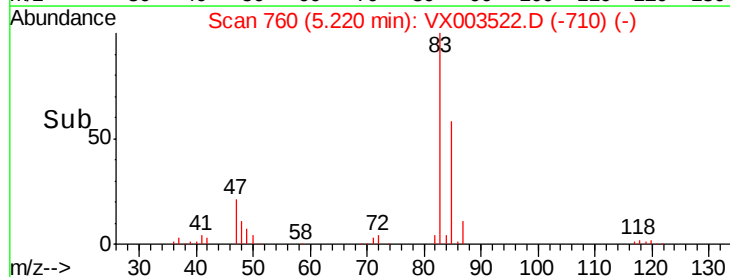
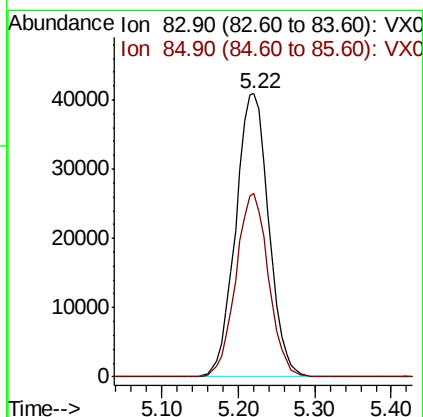
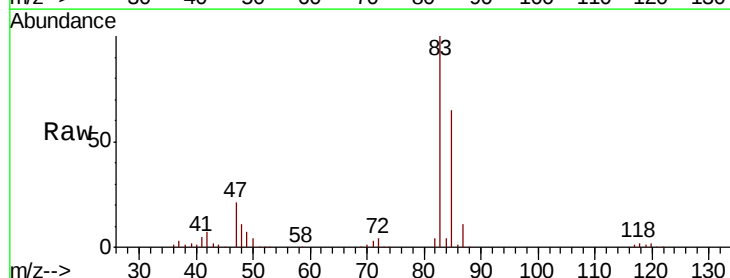
Manual Integrations
APPROVED

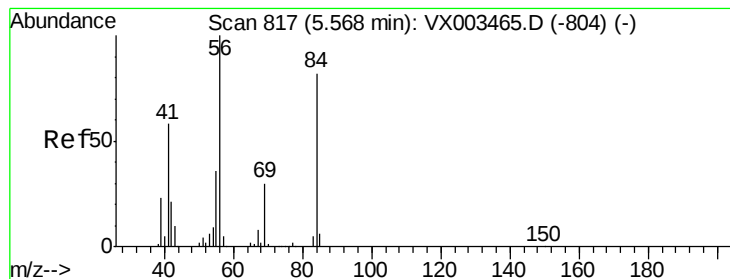
MMDadoda
7/23/2018 12:35:59 PM



#30
Chloroform
Concen: 22.566 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX003522.D
Acq: 20 Jul 2018 21:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	50.4	75.6





#31

Cyclohexane

Concen: 20.815 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VX003522.D

Acq: 20 Jul 2018 21:50

Instrument :

MSVOA_X

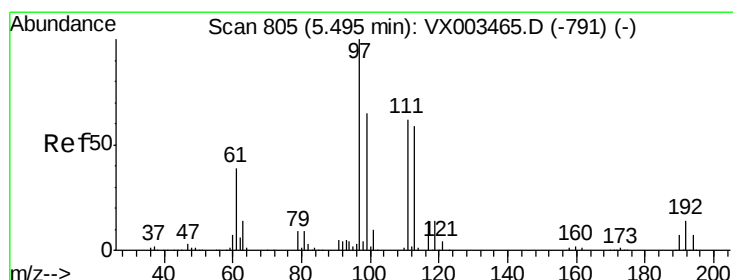
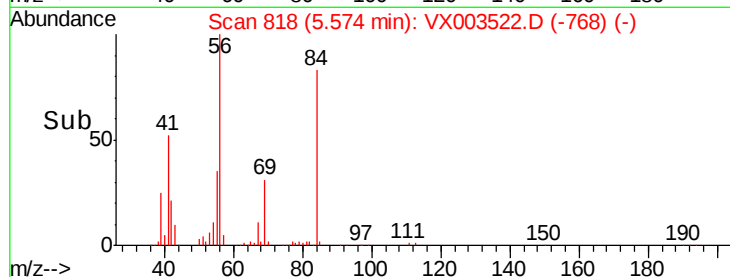
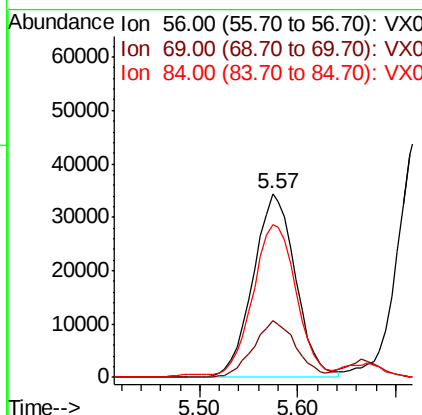
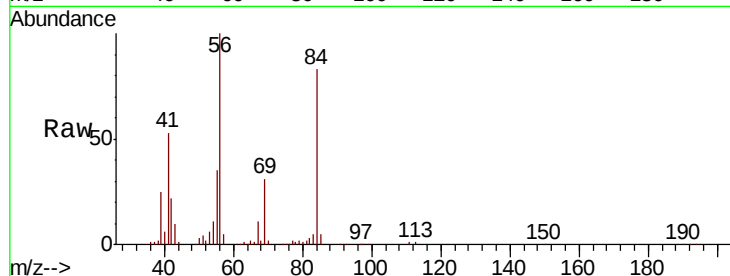
ClientSampleId :

VX0720WBS03

Tgt Ion:	56	Resp:	103530
Ion	Ratio	Lower	Upper
56	100		
69	30.8	23.7	35.5
84	81.8	64.1	96.1

Manual Integrations
APPROVED

MMDadoda
7/23/2018 12:35:59 PM



#32

1,1,1-Trichloroethane

Concen: 22.155 ug/l

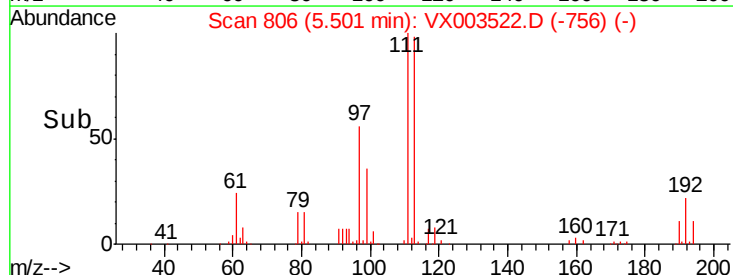
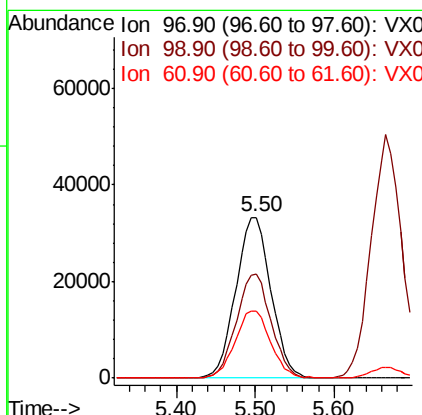
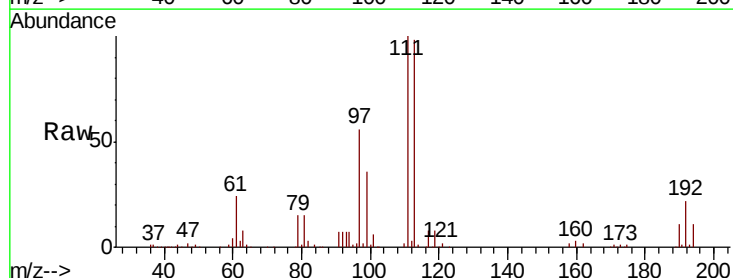
RT: 5.50 min Scan# 806

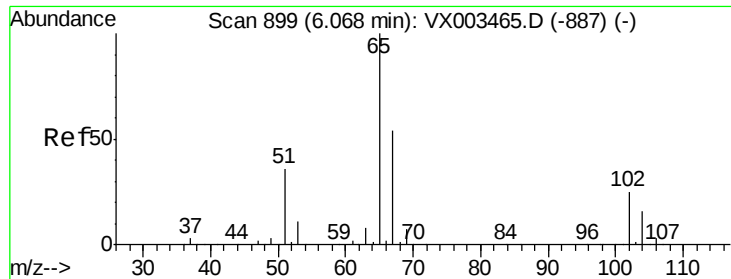
Delta R.T. 0.01 min

Lab File: VX003522.D

Acq: 20 Jul 2018 21:50

Tgt Ion:	97	Resp:	103133
Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.6	77.4
61	42.3	36.4	54.6





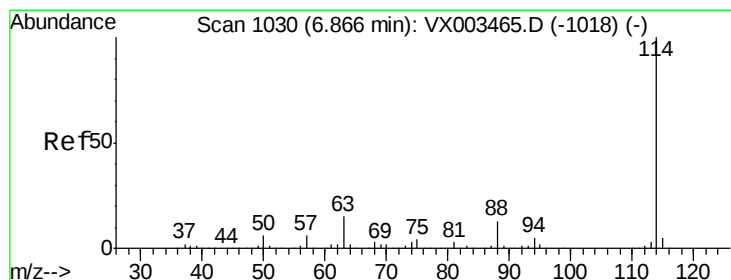
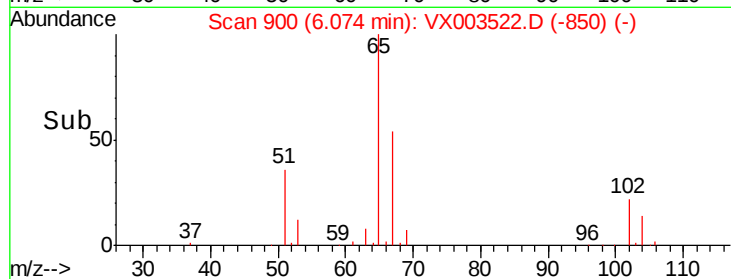
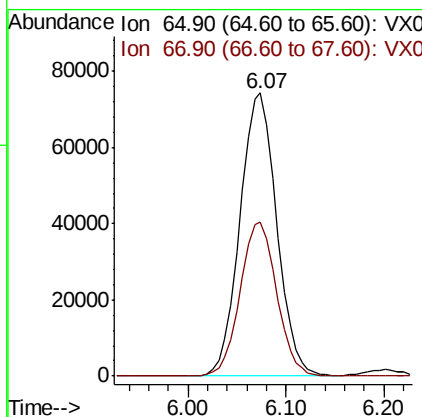
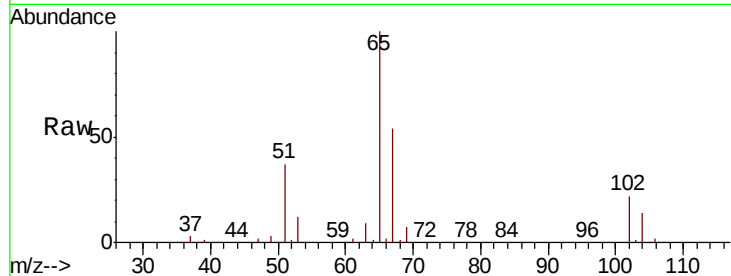
#33
 1,2-Dichloroethane-d4
 Concen: 58.724 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003522.D
 Acq: 20 Jul 2018 21:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0720WBS03

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	193858		
67	54.1	0.0	102.6	

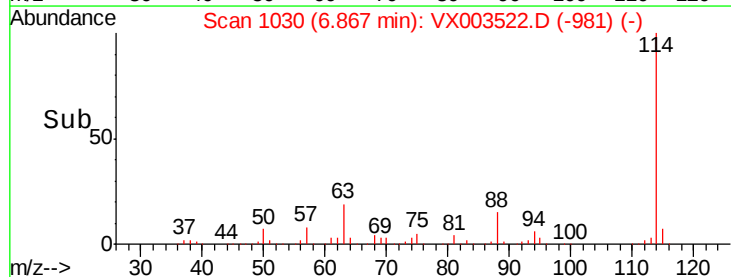
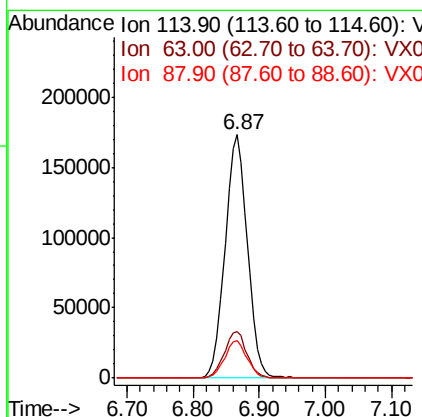
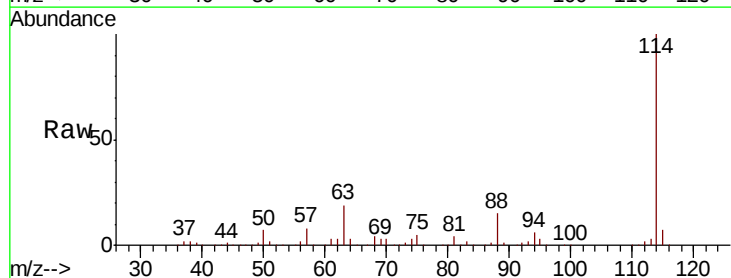
Manual Integrations
 APPROVED

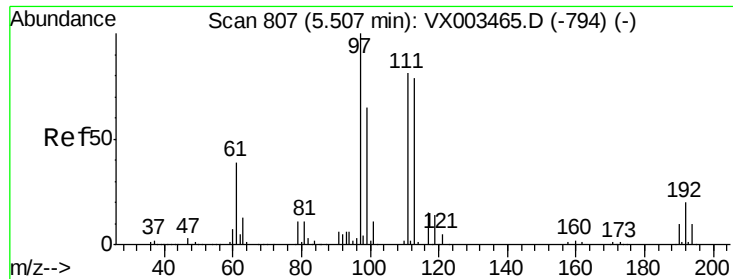
MMDadoda
 7/23/2018 12:35:59 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003522.D
 Acq: 20 Jul 2018 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	405450		
63	19.2	0.0	41.4	
88	15.2	0.0	30.0	





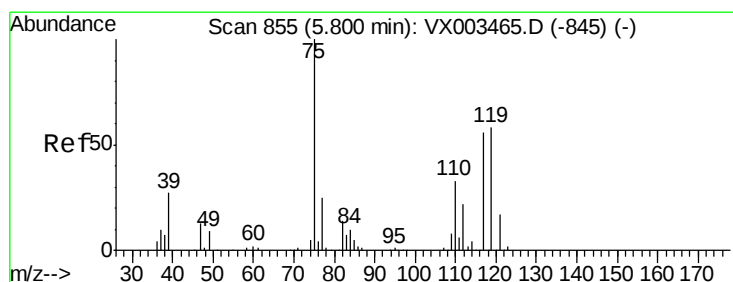
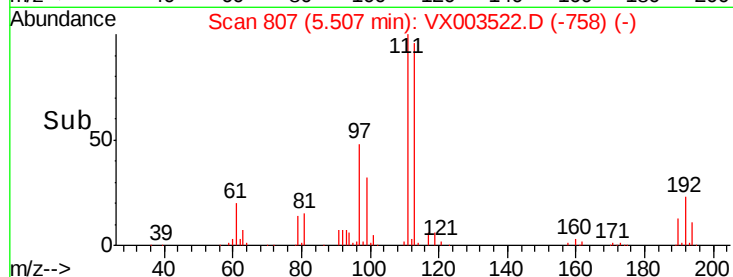
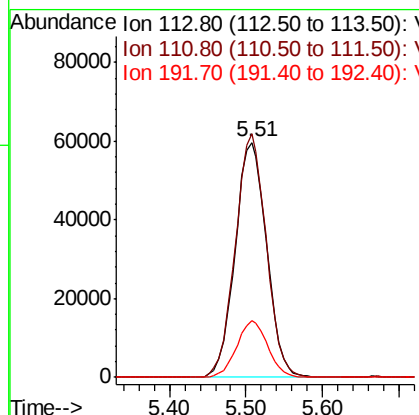
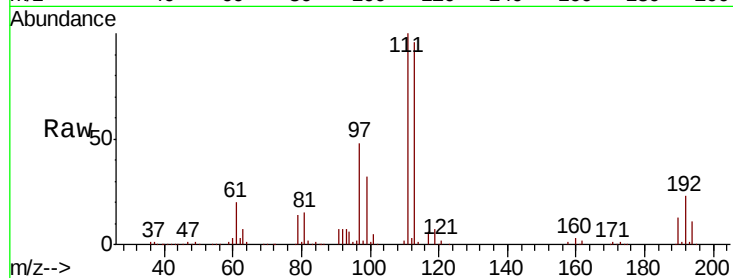
#35
 Dibromofluoromethane
 Concen: 55.146 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX003522.D
 Acq: 20 Jul 2018 21:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0720WBS03

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	170301		
111	101.6	81.4	122.0	
192	23.7	19.1	28.7	

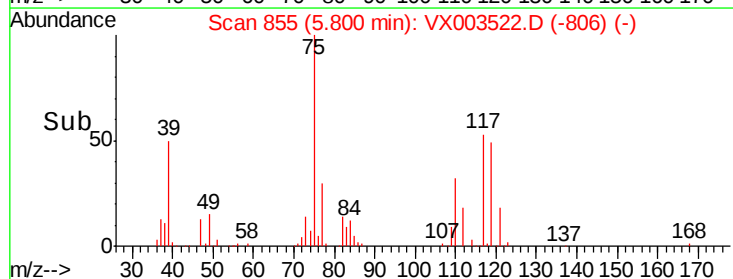
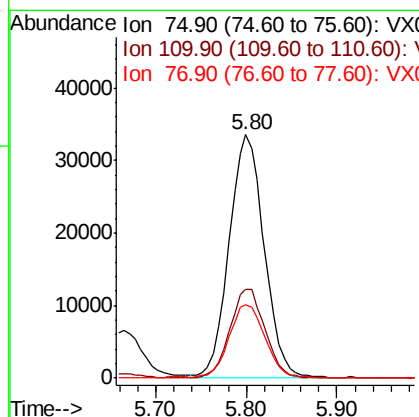
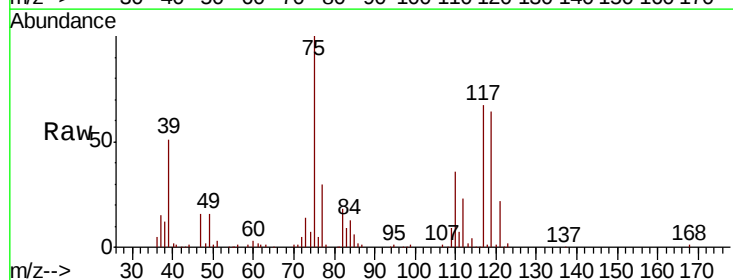
Manual Integrations
 APPROVED

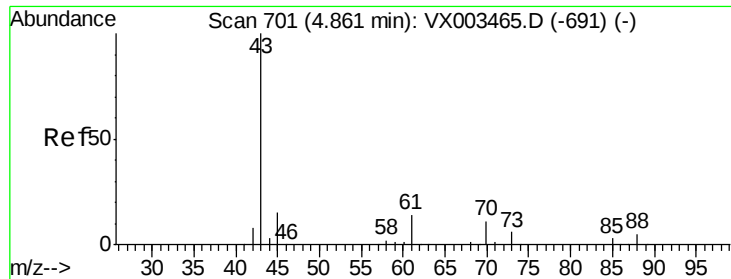
MMDadoda
 7/23/2018 12:35:59 PM



#36
 1,1-Dichloropropene
 Concen: 20.399 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VX003522.D
 Acq: 20 Jul 2018 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	89296		
110	36.9	18.1	54.4	
77	31.5	24.3	36.5	





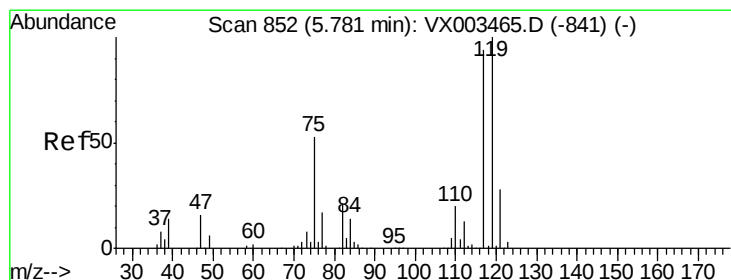
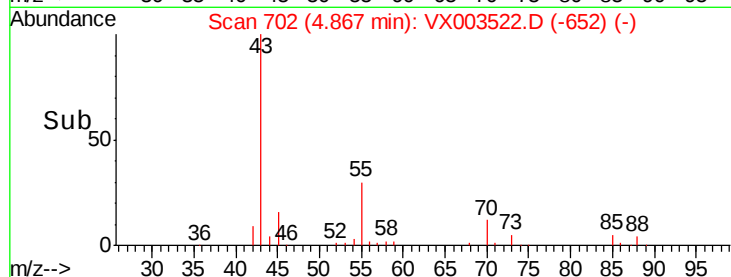
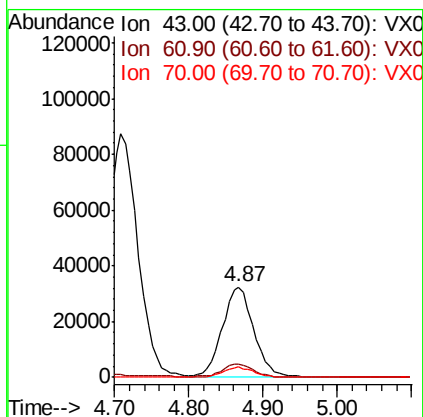
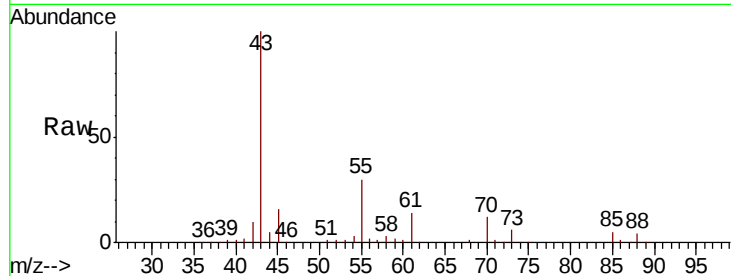
#37
Ethyl Acetate
Concen: 22.901 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.01 min
Lab File: VX003522.D
Acq: 20 Jul 2018 21:50

Instrument :
MSVOA_X
ClientSampleId :
VX0720WBS03

Tgt Ion: 43 Resp: 94862
Ion Ratio Lower Upper
43 100
61 15.2 10.4 15.6
70 10.9 7.6 11.4

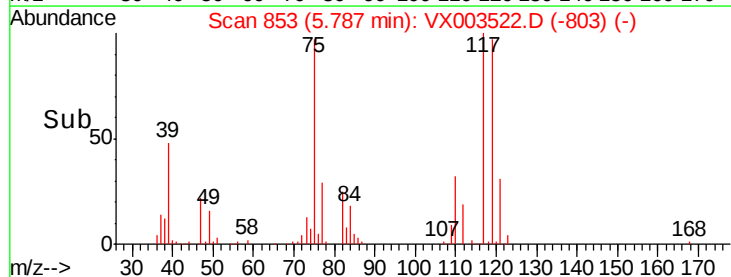
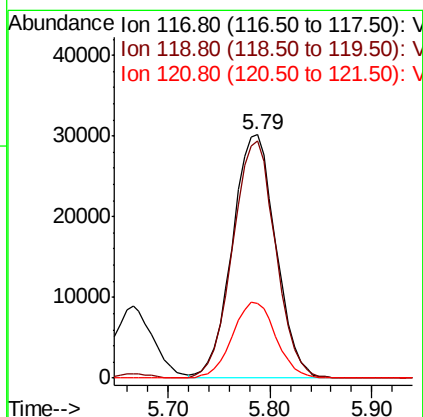
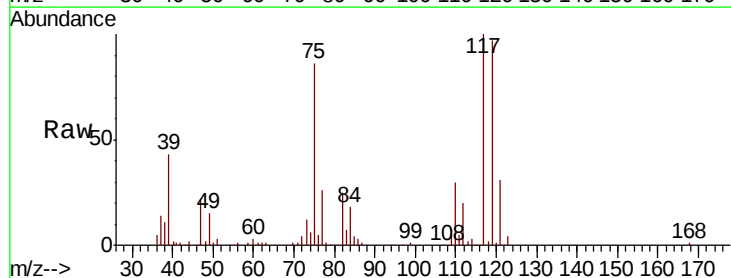
Manual Integrations
APPROVED

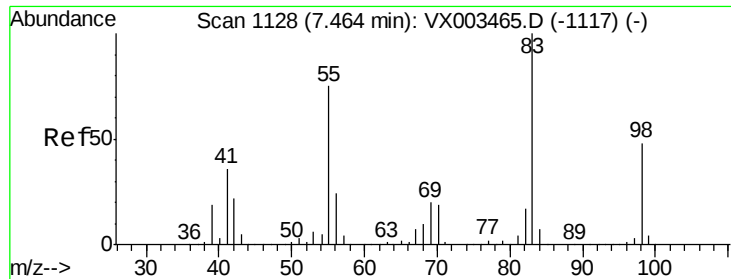
MMDadoda
7/23/2018 12:35:59 PM



#38
Carbon Tetrachloride
Concen: 20.764 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.01 min
Lab File: VX003522.D
Acq: 20 Jul 2018 21:50

Tgt Ion: 117 Resp: 89156
Ion Ratio Lower Upper
117 100
119 97.4 77.4 116.0
121 30.7 24.4 36.6





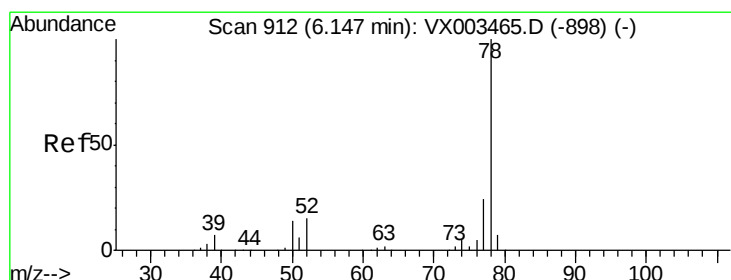
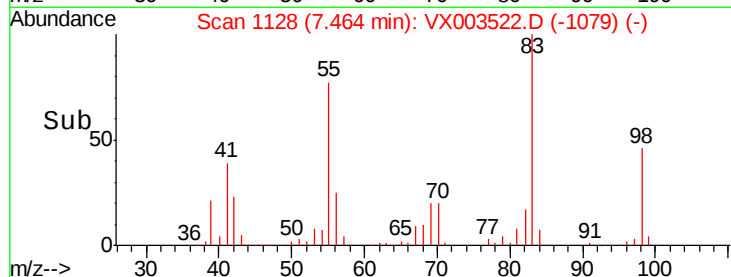
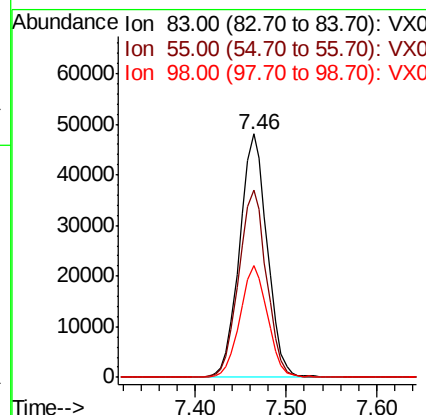
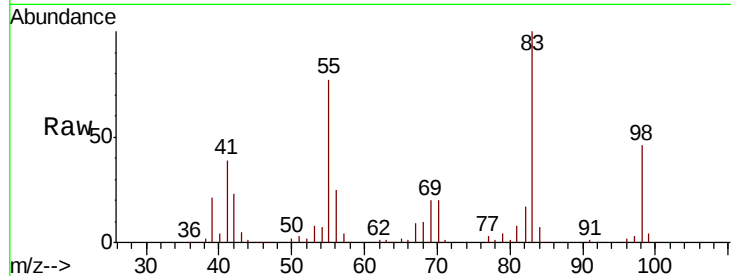
#39
Methylcyclohexane
Concen: 19.578 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003522.D
Acq: 20 Jul 2018 21:50

Instrument :
MSVOA_X
ClientSampleId :
VX0720WBS03

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	101508		
55	76.8	65.4	98.0	
98	46.0	37.4	56.0	

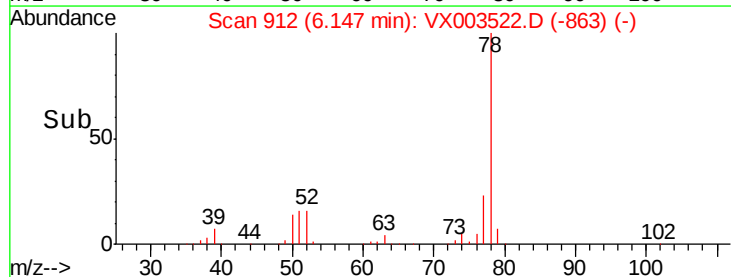
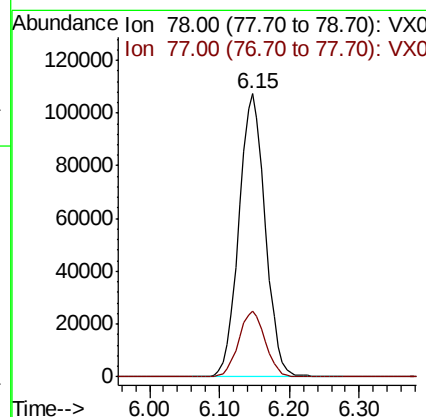
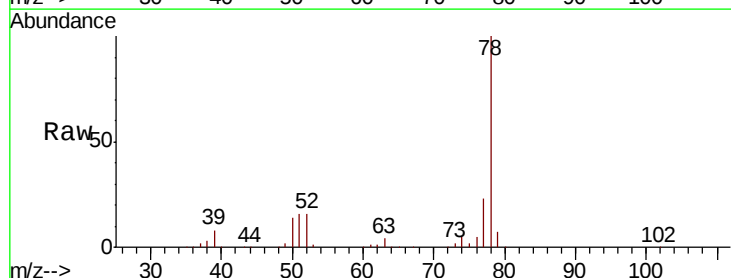
Manual Integrations
APPROVED

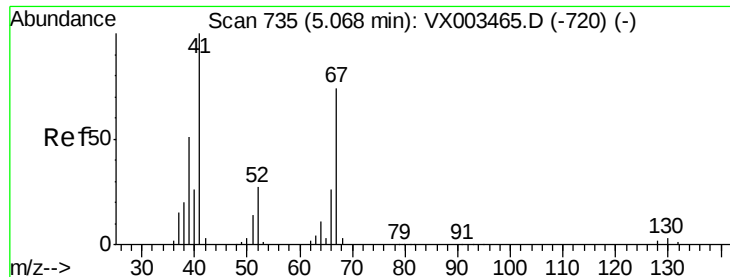
MMDadoda
7/23/2018 12:35:59 PM



#40
Benzene
Concen: 21.175 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003522.D
Acq: 20 Jul 2018 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	279860		
77	23.0	19.1	28.7	





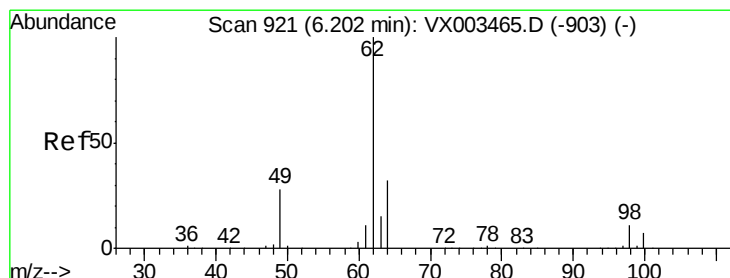
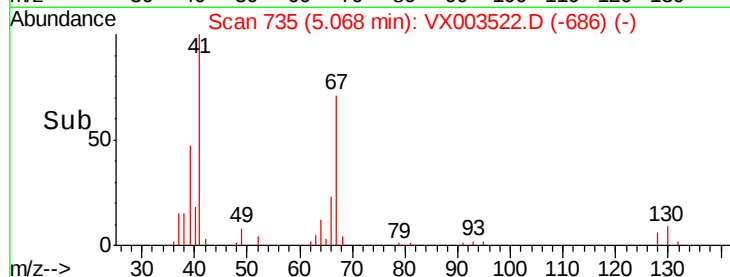
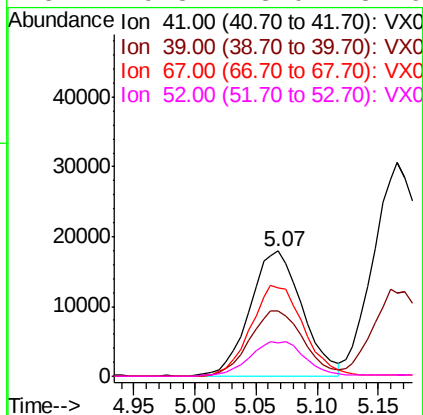
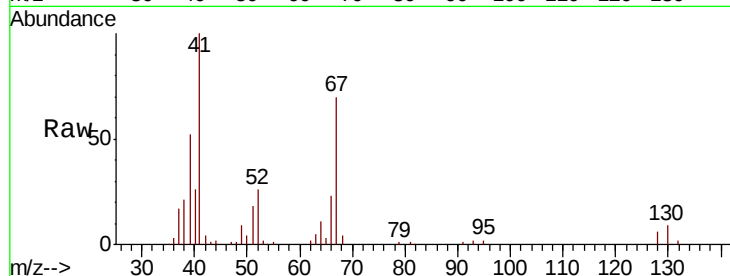
#41
Methacrylonitrile
Concen: 21.880 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX003522.D
Acq: 20 Jul 2018 21:50

Instrument :
MSVOA_X
ClientSampleId :
VX0720WBS03

Tgt Ion:	41	Resp:	53267
Ion	Ratio	Lower	Upper
41	100		
39	54.0	45.8	68.6
67	74.2	51.3	76.9
52	29.8	23.0	34.6

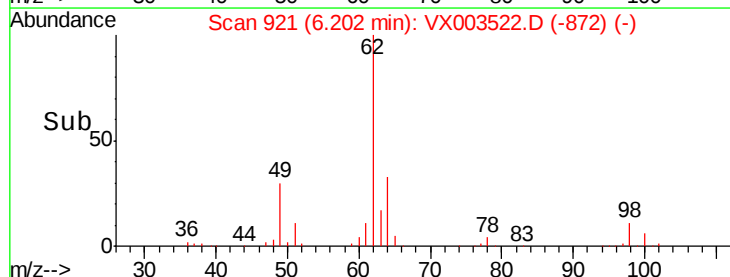
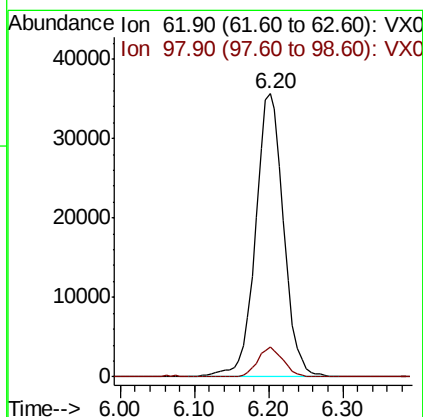
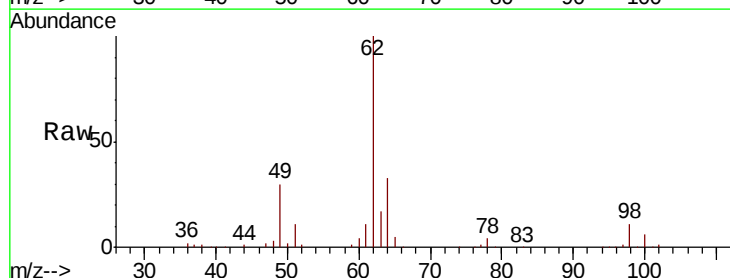
Manual Integrations
APPROVED

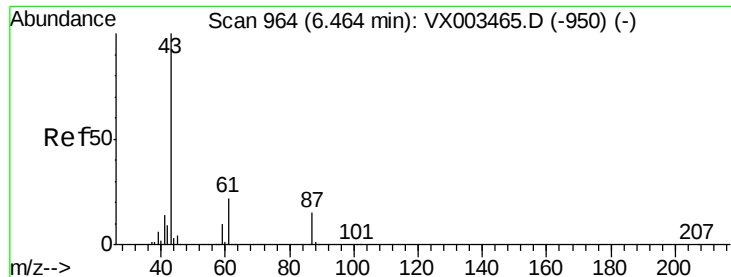
MMDadoda
7/23/2018 12:35:59 PM



#42
1,2-Dichloroethane
Concen: 22.472 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX003522.D
Acq: 20 Jul 2018 21:50

Tgt Ion:	62	Resp:	93581
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	16.6





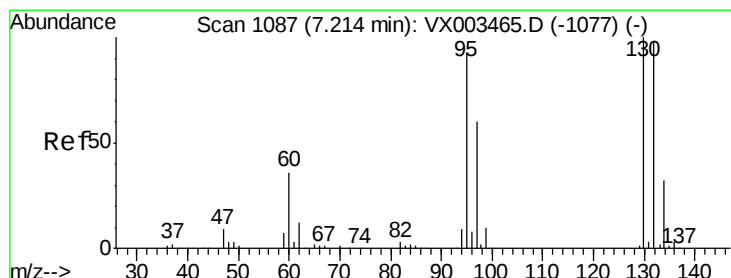
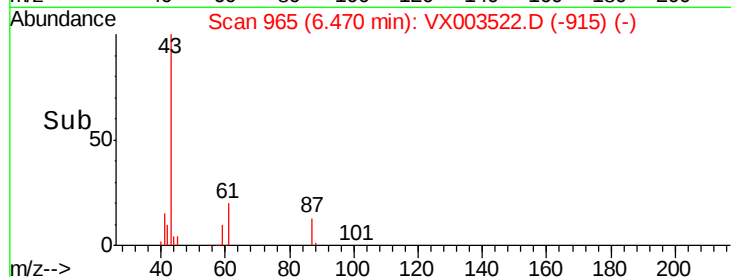
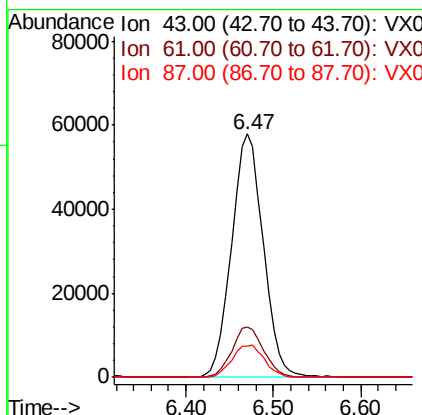
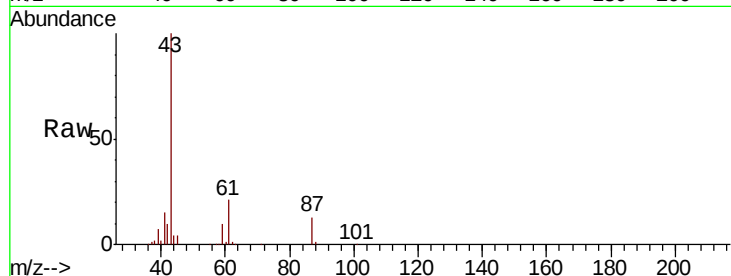
#43
Isopropyl Acetate
Concen: 22.055 ug/l
RT: 6.47 min Scan# 965
Delta R.T. 0.01 min
Lab File: VX003522.D
Acq: 20 Jul 2018 21:50

Instrument :
MSVOA_X
ClientSampleId :
VX0720WBS03

Tgt Ion	Ratio	Lower	Upper
43	100		
61	20.6	14.4	21.6
87	13.8	9.5	14.3

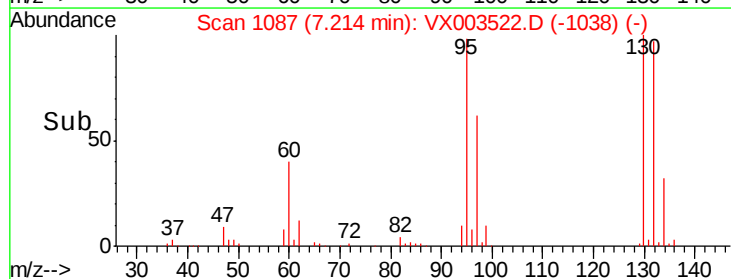
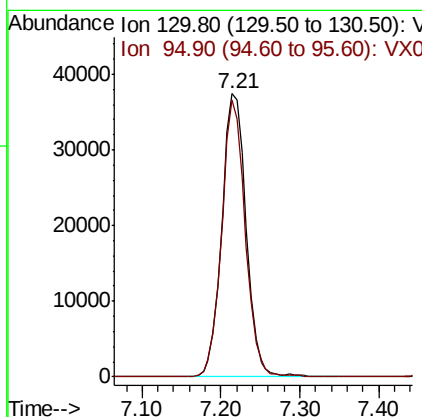
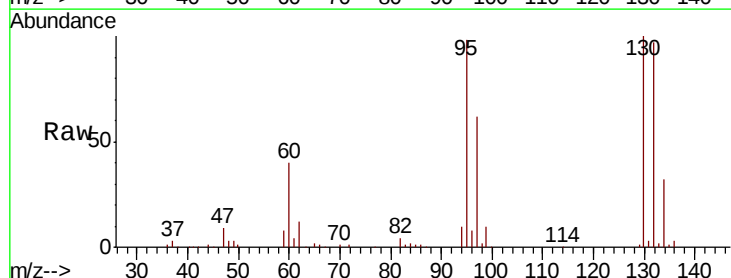
Manual Integrations
APPROVED

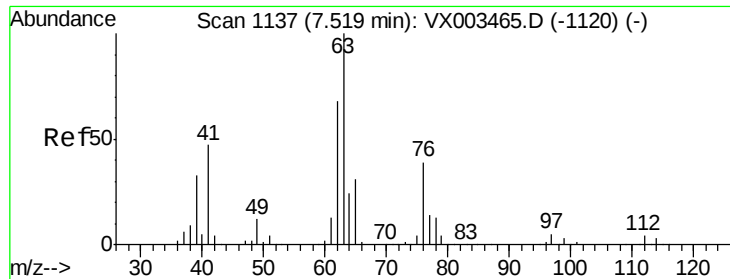
MMDadoda
7/23/2018 12:35:59 PM



#44
Trichloroethene
Concen: 20.462 ug/l
RT: 7.21 min Scan# 1087
Delta R.T. 0.00 min
Lab File: VX003522.D
Acq: 20 Jul 2018 21:50

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.0	0.0	185.4





#45

1,2-Dichloropropane

Concen: 21.596 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VX003522.D

Acq: 20 Jul 2018 21:50

Instrument :

MSVOA_X

ClientSampleId :

VX0720WBS03

Tgt Ion: 63 Resp: 72476

Ion Ratio Lower Upper

63 100

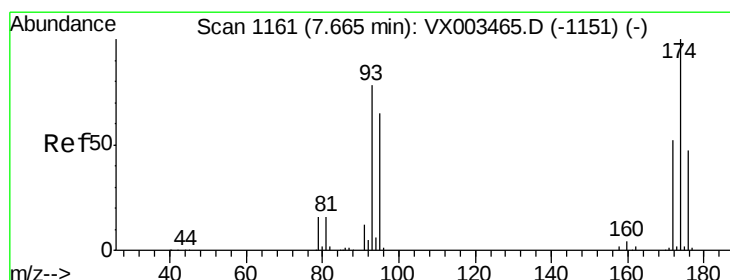
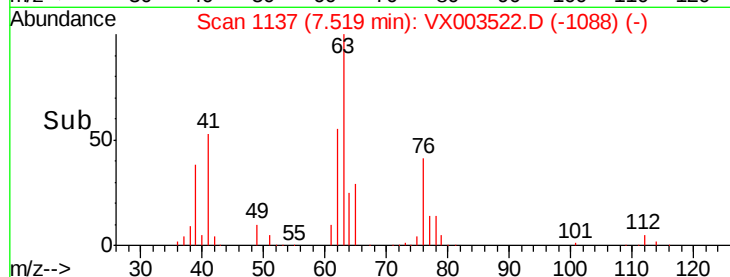
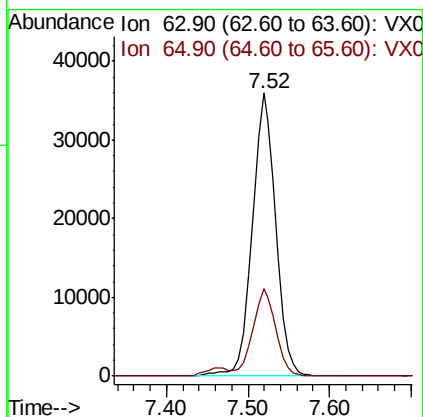
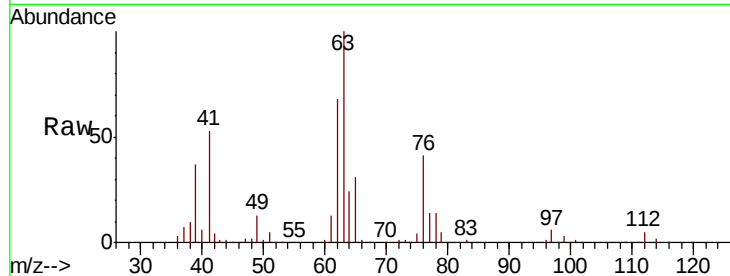
65 30.8 24.7 37.1

Manual Integrations

APPROVED

MMDadoda

7/23/2018 12:35:59 PM



#46

Dibromomethane

Concen: 21.839 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX003522.D

Acq: 20 Jul 2018 21:50

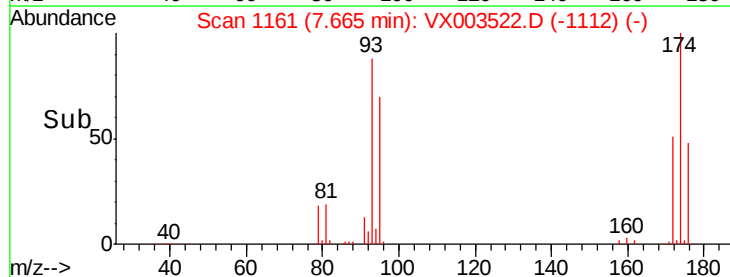
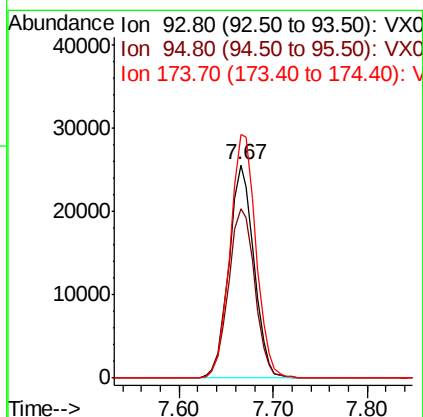
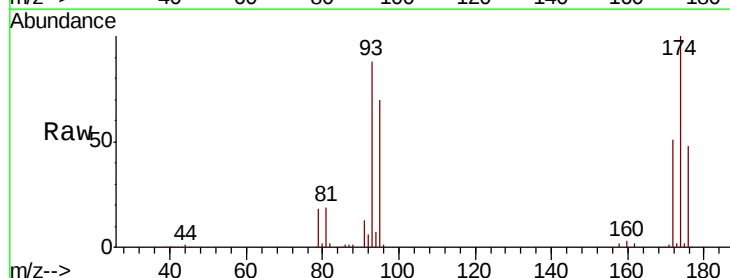
Tgt Ion: 93 Resp: 47185

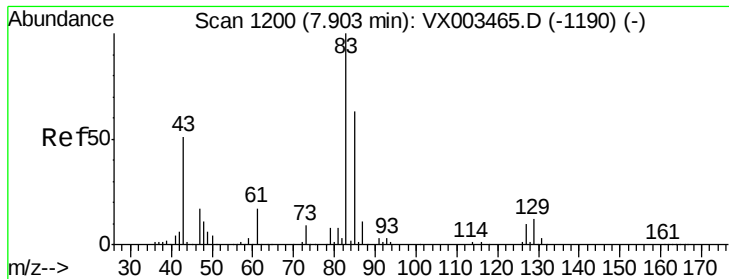
Ion Ratio Lower Upper

93 100

95 83.7 65.9 98.9

174 118.5 92.4 138.6





#47

Bromodichloromethane

Concen: 21.746 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003522.D

Acq: 20 Jul 2018 21:50

Instrument :

MSVOA_X

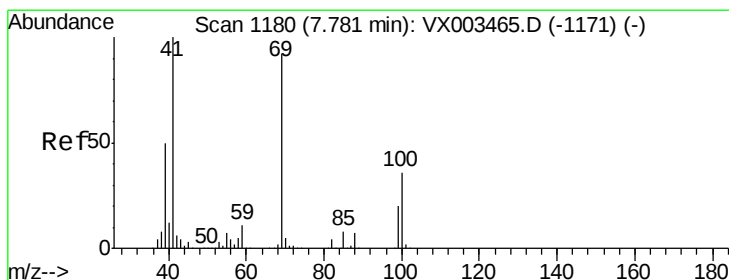
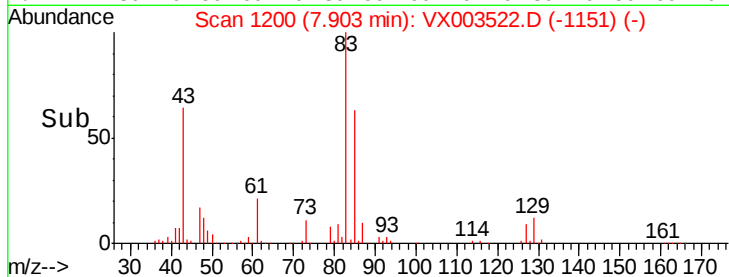
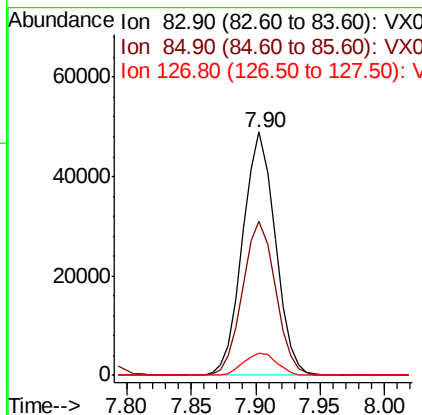
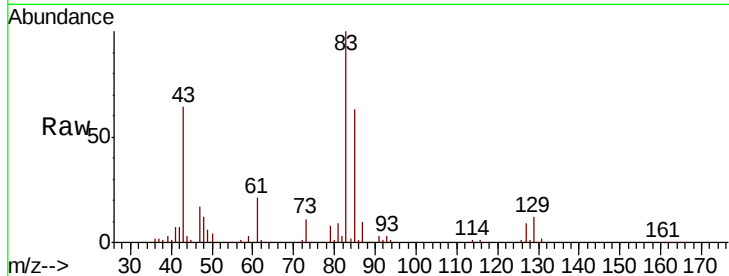
ClientSampleId :

VX0720WBS03

Tgt Ion:	83	Resp:	86015
Ion Ratio	Lower	Upper	
83	100		
85	63.0	50.3	75.5
127	9.3	7.0	10.4

Manual Integrations
APPROVED

MMDadoda
7/23/2018 12:35:59 PM



#48

Methyl methacrylate

Concen: 22.298 ug/l

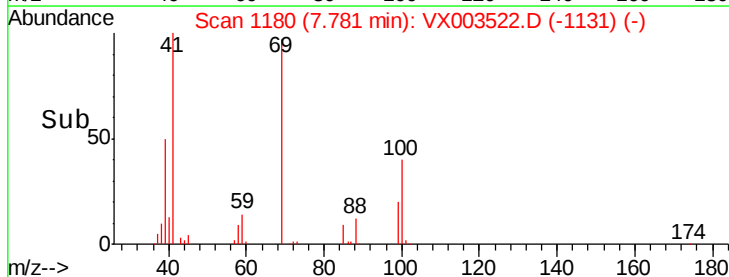
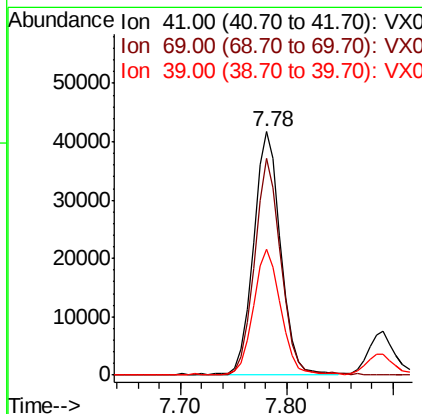
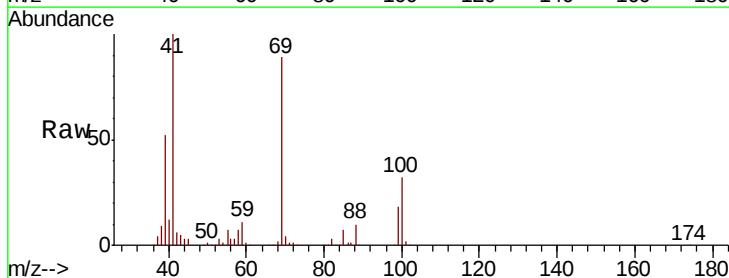
RT: 7.78 min Scan# 1180

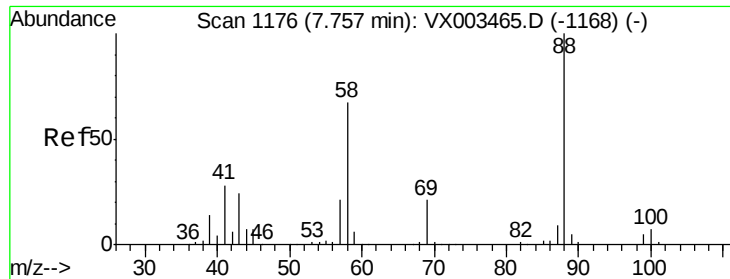
Delta R.T. 0.00 min

Lab File: VX003522.D

Acq: 20 Jul 2018 21:50

Tgt Ion:	41	Resp:	74094
Ion Ratio	Lower	Upper	
41	100		
69	87.1	59.1	88.7
39	52.1	48.9	73.3





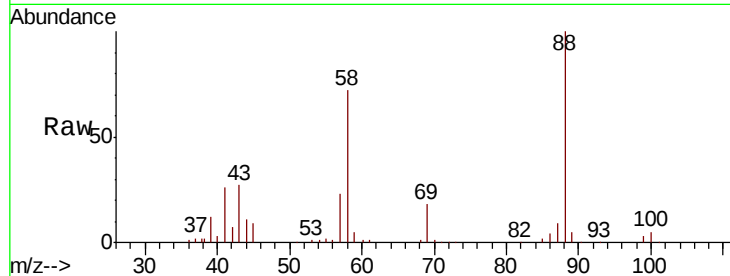
#49
1,4-Dioxane
Concen: 443.222 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VX003522.D
Acq: 20 Jul 2018 21:50

Instrument :
MSVOA_X
ClientSampleId :
VX0720WBS03

Tgt Ion	Ratio	Lower	Upper
88	100		
43	34.0	29.8	44.6
58	71.7	57.1	85.7

Manual Integrations
APPROVED

MMDadoda
7/23/2018 12:35:59 PM

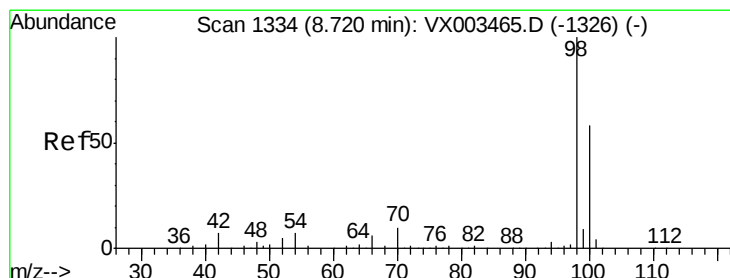
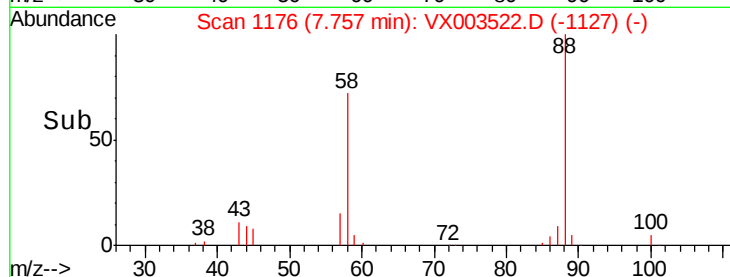
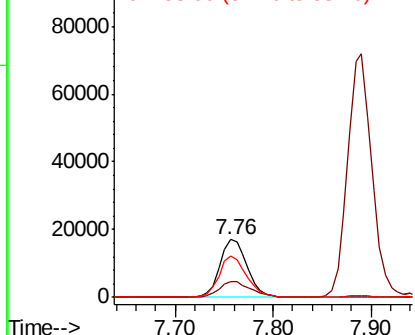


Abundance

Ion 88.00 (87.70 to 88.70): VX0

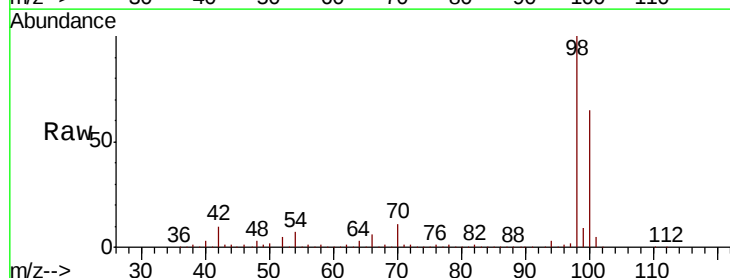
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 55.233 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003522.D
Acq: 20 Jul 2018 21:50

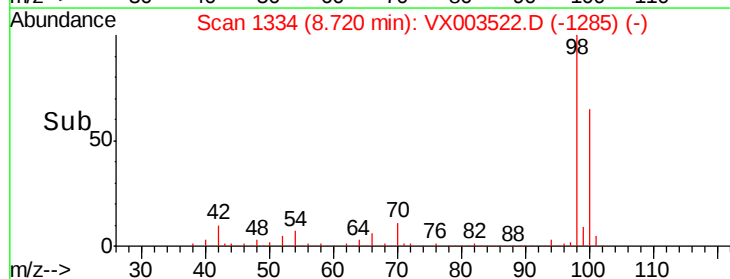
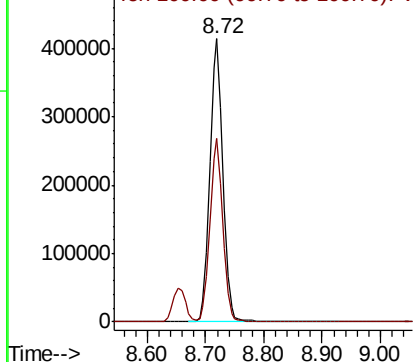
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	50.9	76.3

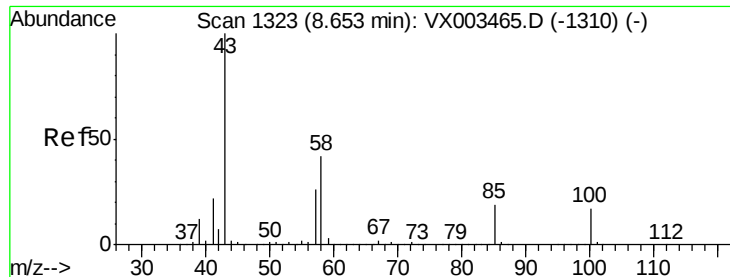


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





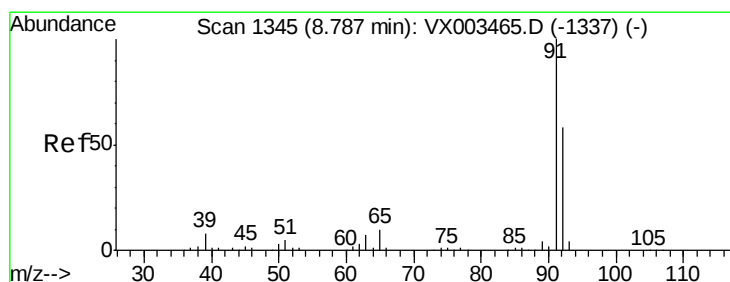
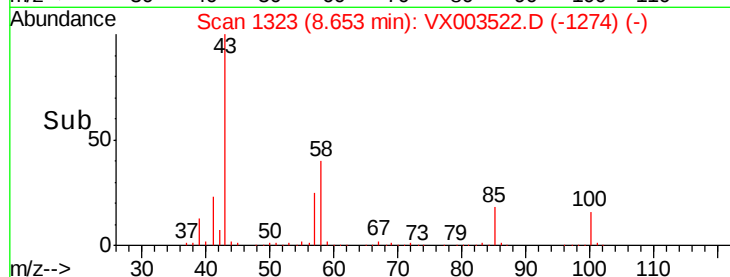
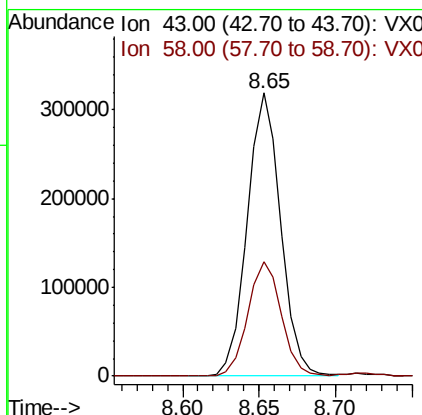
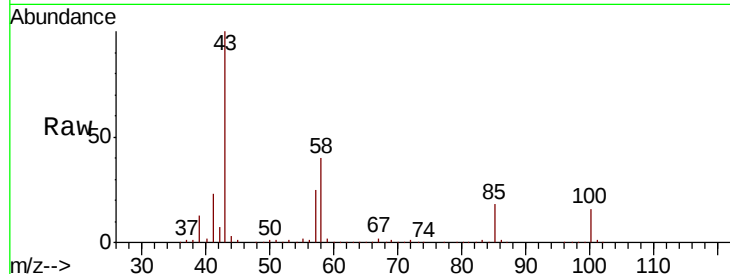
#51
4-Methyl-2-Pentanone
Concen: 116.318 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. 0.00 min
Lab File: VX003522.D
Acq: 20 Jul 2018 21:50

Instrument :
MSVOA_X
ClientSampleId :
VX0720WBS03

Tgt Ion: 43 Resp: 484215
Ion Ratio Lower Upper
43 100
58 40.4 28.6 42.8

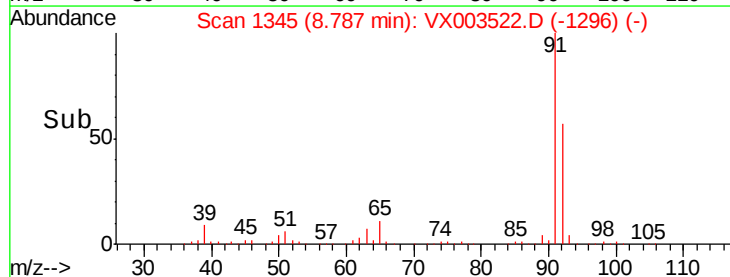
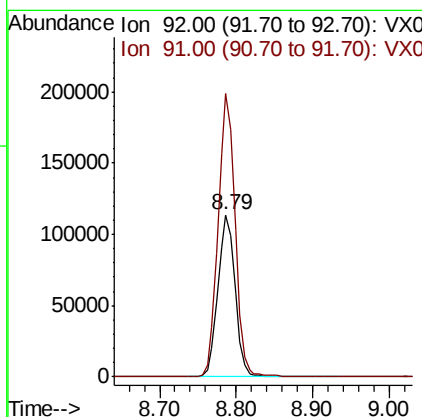
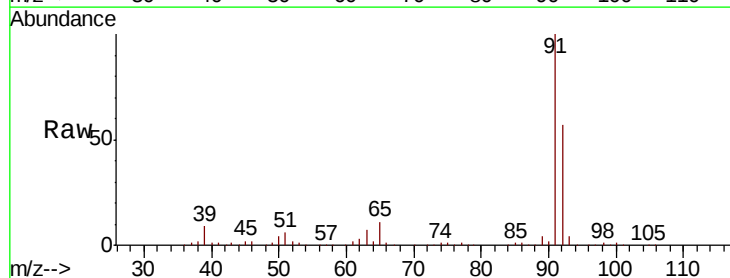
Manual Integrations
APPROVED

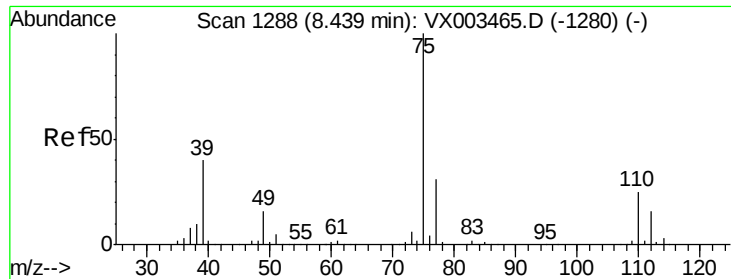
MMDadoda
7/23/2018 12:35:59 PM



#52
Toluene
Concen: 21.172 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VX003522.D
Acq: 20 Jul 2018 21:50

Tgt Ion: 92 Resp: 176138
Ion Ratio Lower Upper
92 100
91 174.1 140.4 210.6





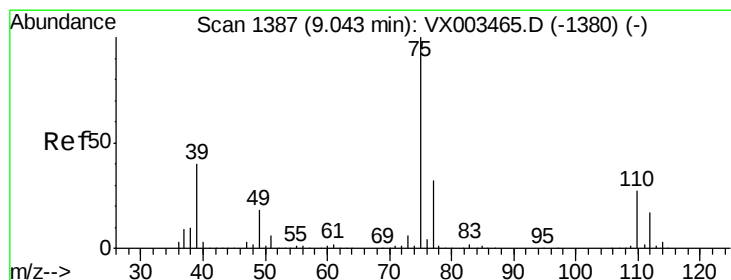
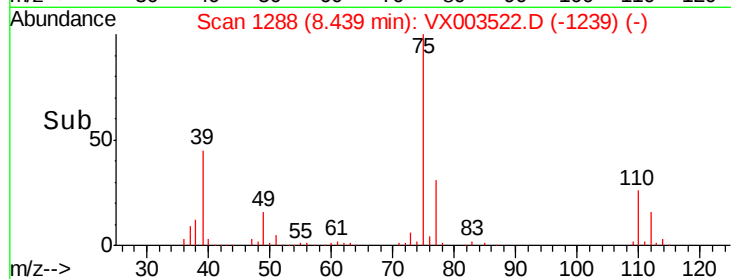
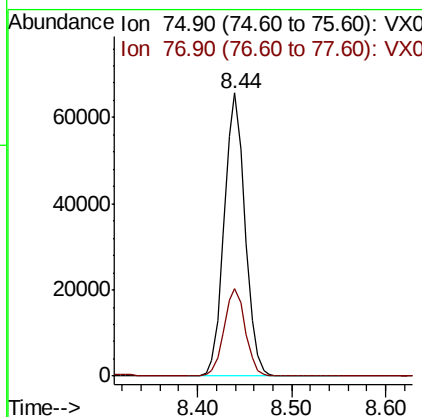
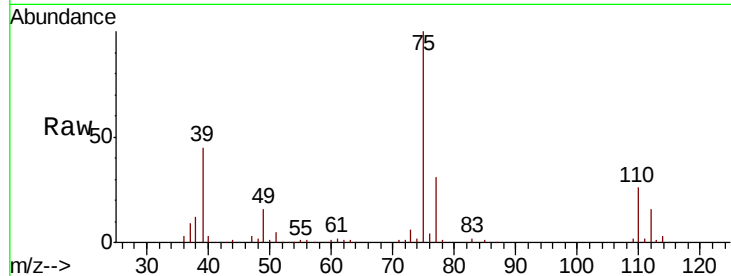
#53
 t-1,3-Dichloropropene
 Concen: 20.702 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. 0.00 min
 Lab File: VX003522.D
 Acq: 20 Jul 2018 21:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0720WBS03

Tgt Ion: 75 Resp: 100788
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.4 38.2

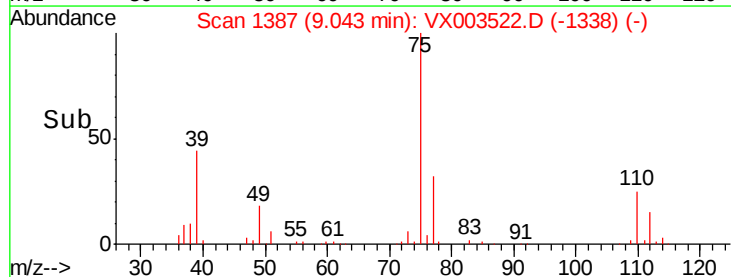
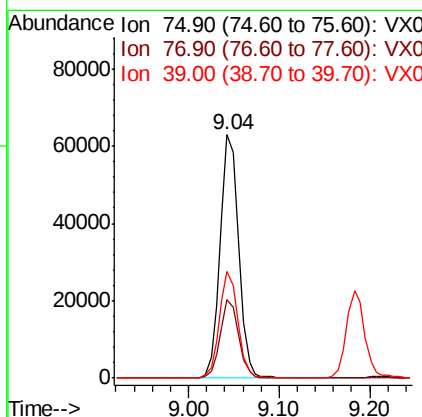
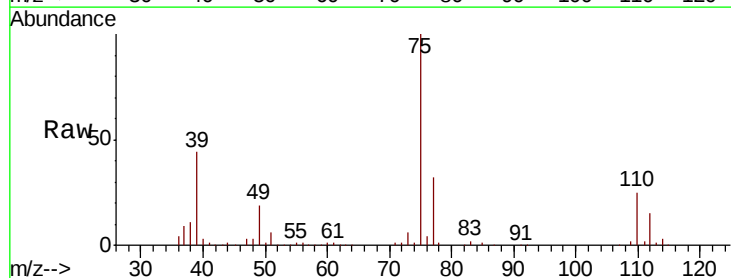
Manual Integrations
 APPROVED

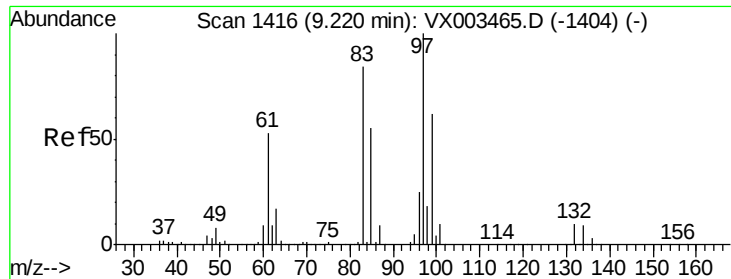
MMDadoda
 7/23/2018 12:35:59 PM



#54
 cis-1,3-Dichloropropene
 Concen: 20.594 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. 0.00 min
 Lab File: VX003522.D
 Acq: 20 Jul 2018 21:50

Tgt Ion: 75 Resp: 90163
 Ion Ratio Lower Upper
 75 100
 77 32.0 24.8 37.2
 39 43.9 42.4 63.6





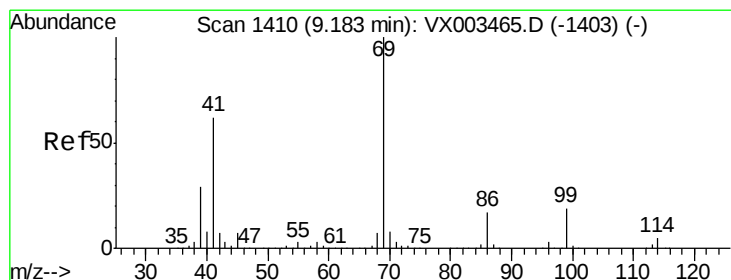
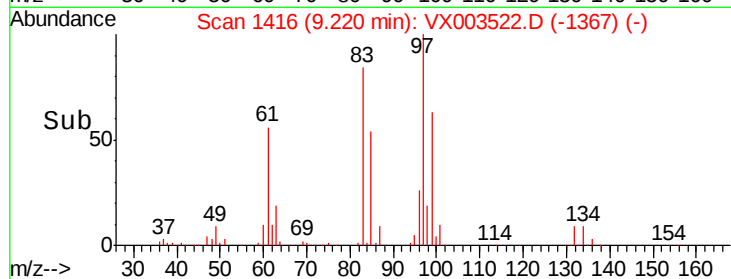
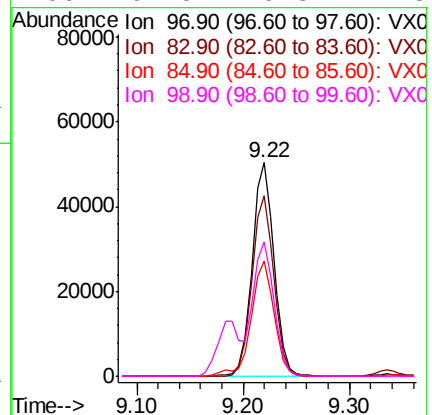
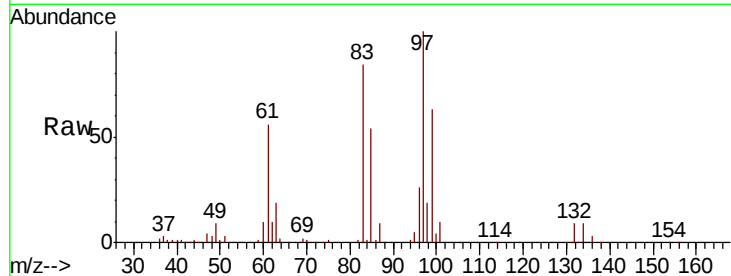
#55
 1,1,2-Trichloroethane
 Concen: 21.837 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003522.D
 Acq: 20 Jul 2018 21:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0720WBS03

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.3	70.2	105.2
85	54.2	44.9	67.3
99	62.8	49.8	74.8

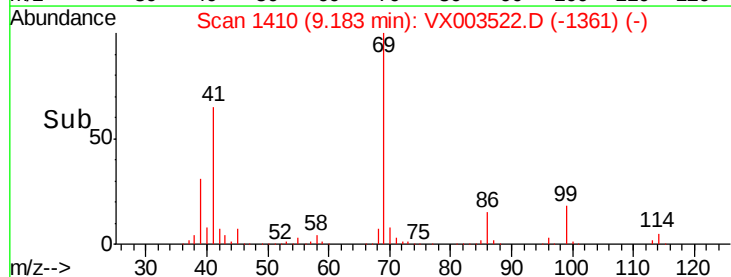
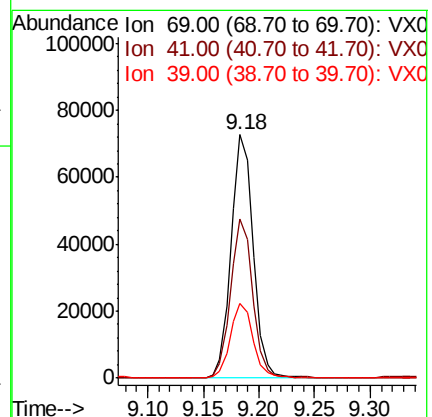
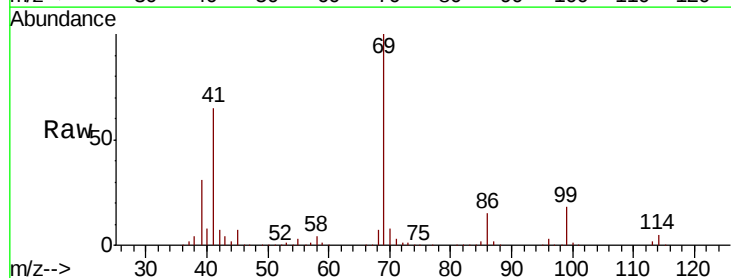
Manual Integrations
 APPROVED

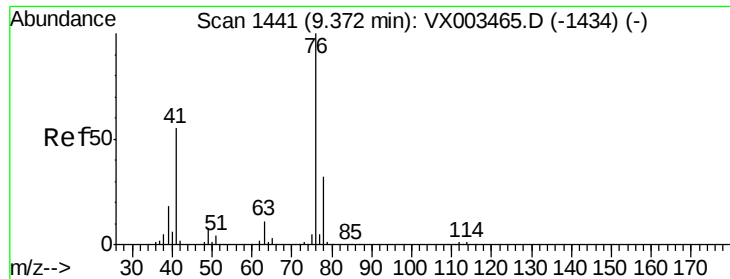
MMDadoda
 7/23/2018 12:35:59 PM



#56
 Ethyl methacrylate
 Concen: 21.517 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003522.D
 Acq: 20 Jul 2018 21:50

Tgt Ion	Ratio	Lower	Upper
69	100		
41	65.2	60.3	90.5
39	31.6	35.8	53.8#





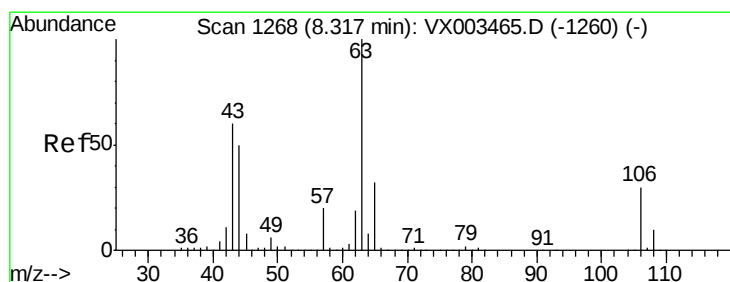
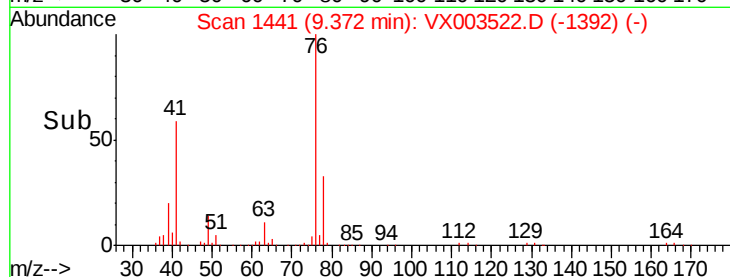
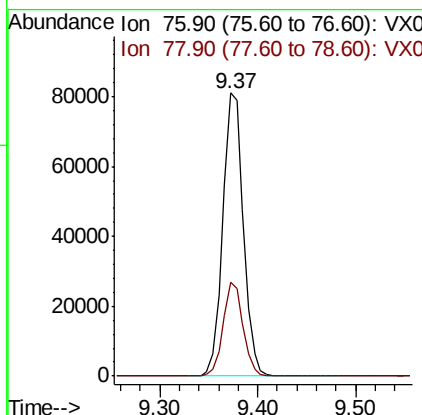
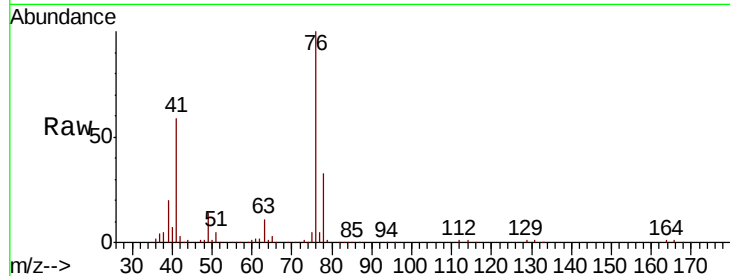
#57
 1,3-Dichloropropane
 Concen: 22.062 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VX003522.D
 Acq: 20 Jul 2018 21:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0720WBS03

Tgt Ion: 76 Resp: 118057
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.8 38.6

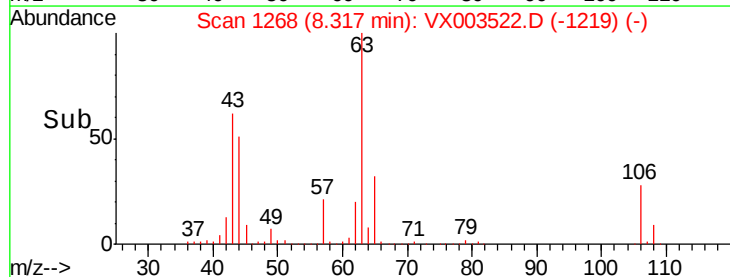
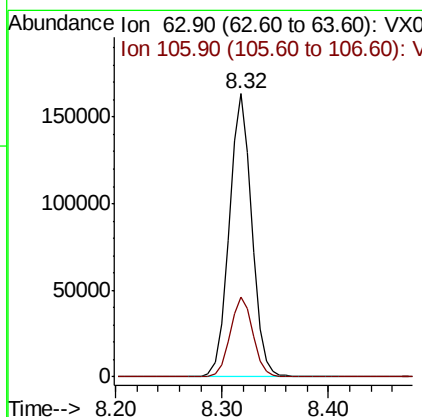
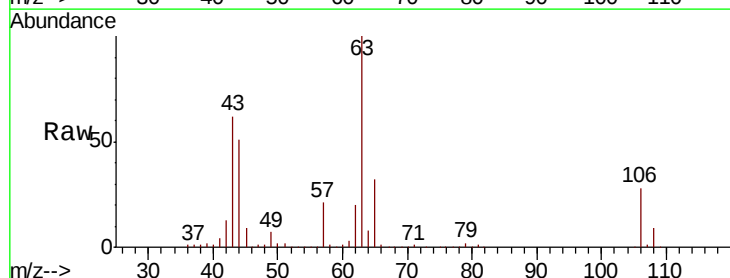
Manual Integrations
 APPROVED

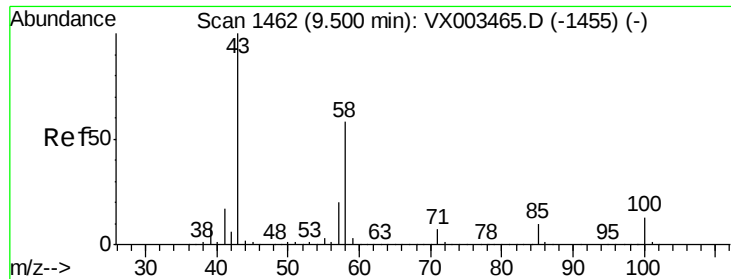
MMDadoda
 7/23/2018 12:35:59 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 107.188 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VX003522.D
 Acq: 20 Jul 2018 21:50

Tgt Ion: 63 Resp: 243026
 Ion Ratio Lower Upper
 63 100
 106 28.5 21.8 32.8





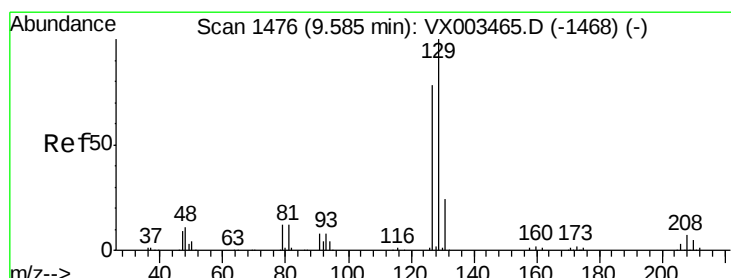
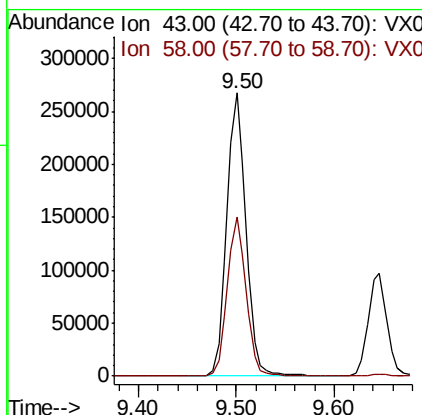
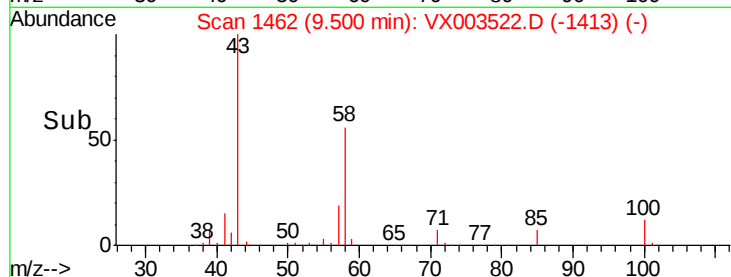
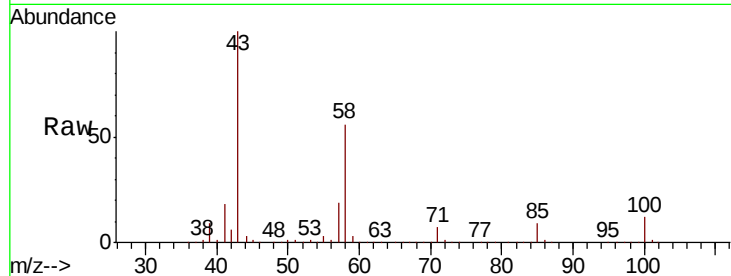
#59
 2-Hexanone
 Concen: 117.929 ug/l
 RT: 9.50 min Scan# 1462
 Delta R.T. 0.00 min
 Lab File: VX003522.D
 Acq: 20 Jul 2018 21:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0720WBS03

Tgt Ion: 43 Resp: 363732
 Ion Ratio Lower Upper
 43 100
 58 55.6 24.6 73.6

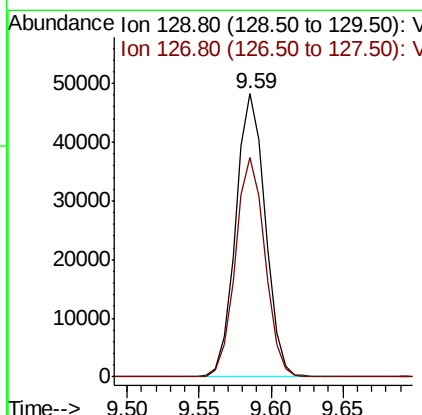
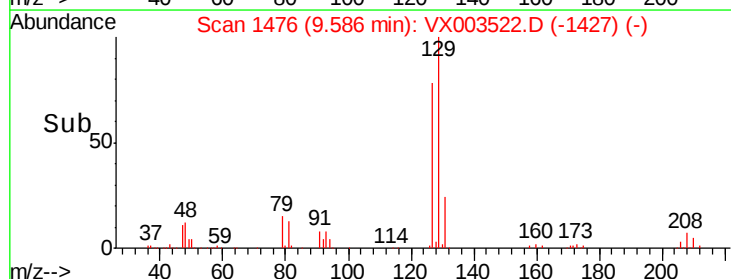
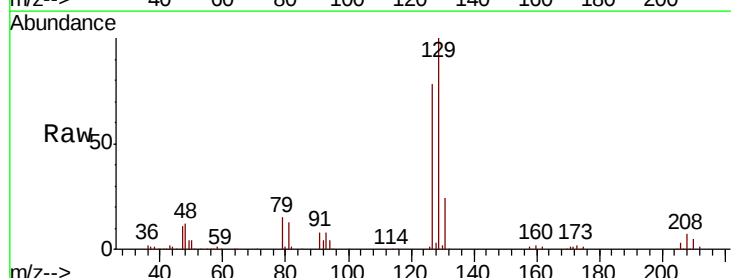
Manual Integrations
 APPROVED

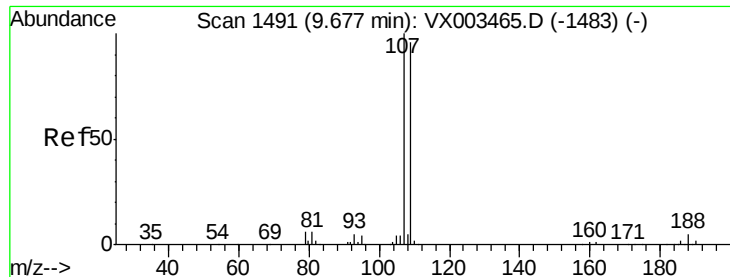
MMDadoda
 7/23/2018 12:35:59 PM



#60
 Dibromochloromethane
 Concen: 21.055 ug/l
 RT: 9.59 min Scan# 1476
 Delta R.T. 0.00 min
 Lab File: VX003522.D
 Acq: 20 Jul 2018 21:50

Tgt Ion: 129 Resp: 68991
 Ion Ratio Lower Upper
 129 100
 127 77.3 38.5 115.3





#61

1,2-Dibromoethane

Concen: 21.555 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003522.D

Acq: 20 Jul 2018 21:50

Instrument :

MSVOA_X

ClientSampleId :

VX0720WBS03

Tgt Ion: 107 Resp: 73972

Ion Ratio Lower Upper

107 100

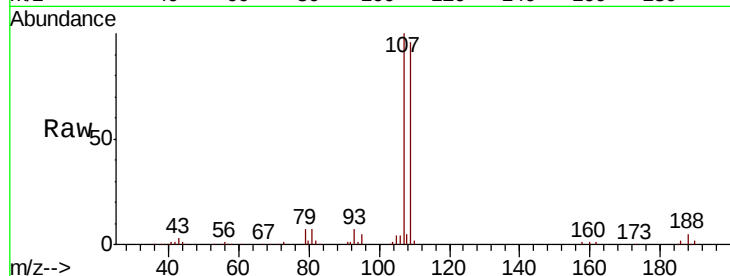
109 94.6 75.3 112.9

Manual Integrations

APPROVED

MMDadoda

7/23/2018 12:35:59 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

60000

50000

40000

30000

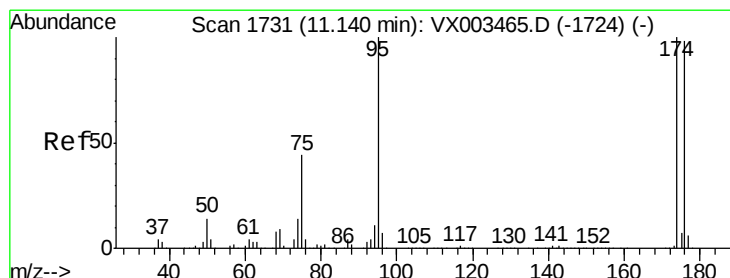
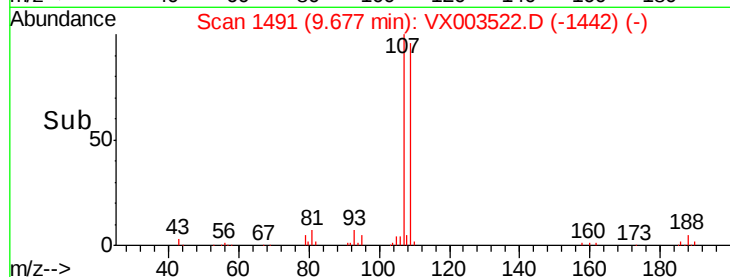
20000

10000

0

9.60 9.65 9.70 9.75

Time-->



#62

4-Bromofluorobenzene

Concen: 54.542 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003522.D

Acq: 20 Jul 2018 21:50

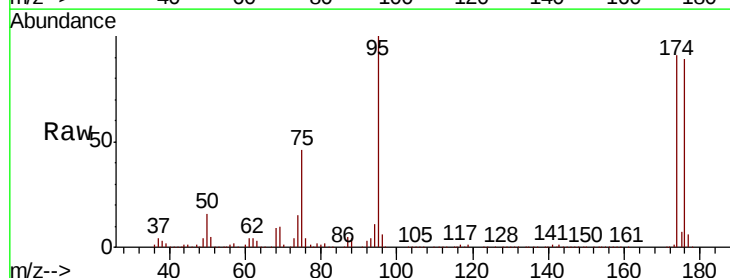
Tgt Ion: 95 Resp: 231039

Ion Ratio Lower Upper

95 100

174 93.6 0.0 187.4

176 91.3 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

250000

200000

150000

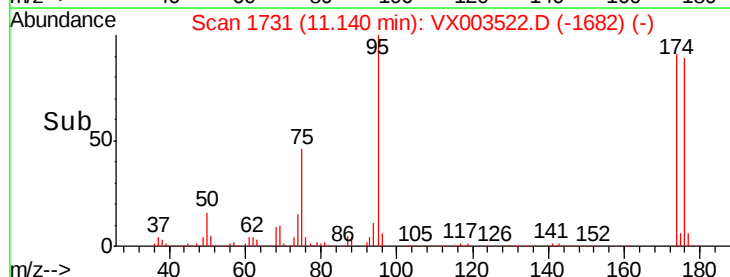
100000

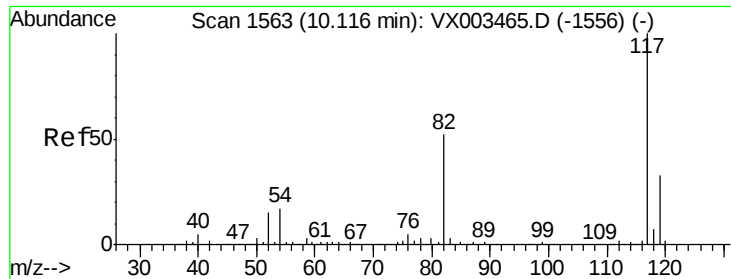
50000

0

11.10 11.20

Time-->





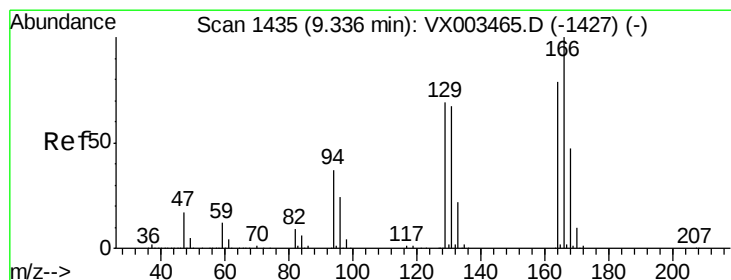
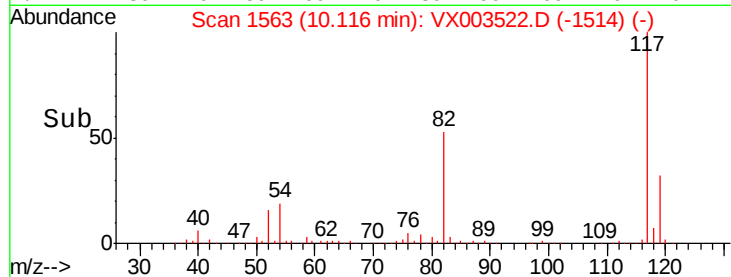
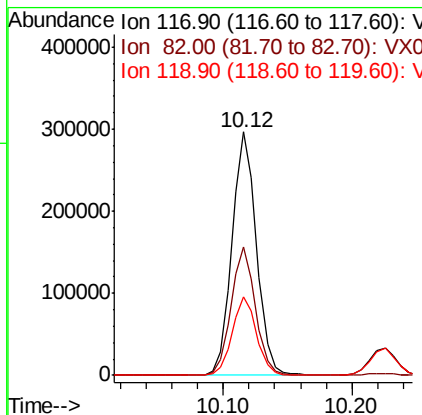
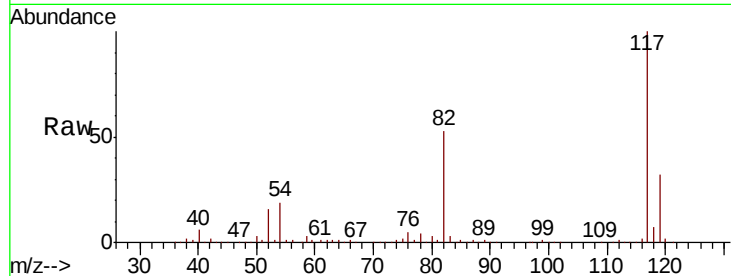
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003522.D
Acq: 20 Jul 2018 21:50

Instrument :
MSVOA_X
ClientSampleId :
VX0720WBS03

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	394395		
82	52.7	45.0	67.4	
119	32.4	25.8	38.6	

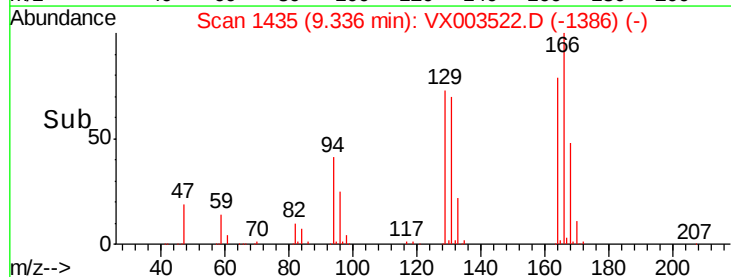
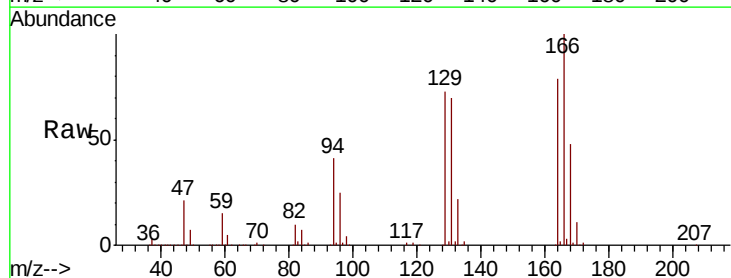
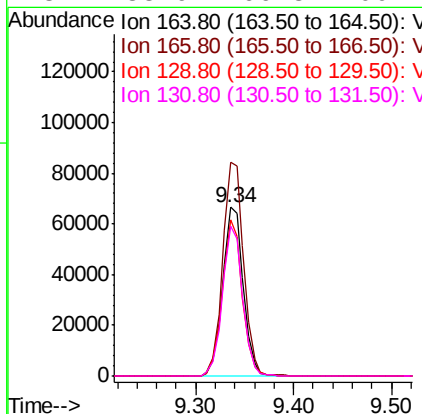
Manual Integrations
APPROVED

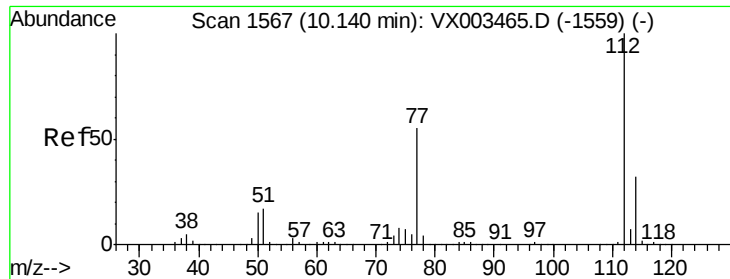
MMDadoda
7/23/2018 12:35:59 PM



#64
Tetrachloroethene
Concen: 20.235 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX003522.D
Acq: 20 Jul 2018 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	97235		
166	126.5	102.9	154.3	
129	92.5	68.6	102.8	
131	88.9	66.8	100.2	





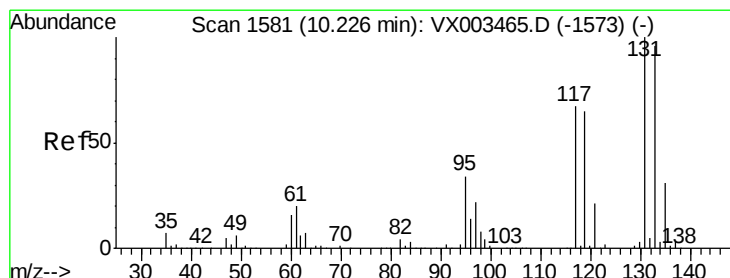
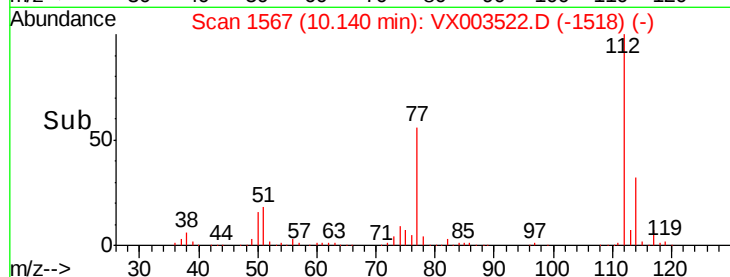
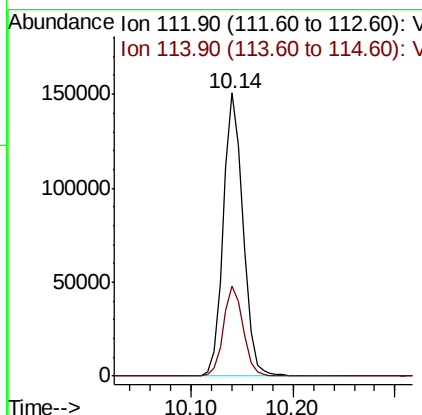
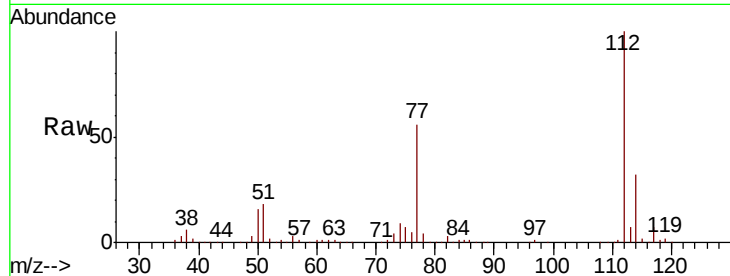
#65
Chlorobenzene
Concen: 19.931 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003522.D
Acq: 20 Jul 2018 21:50

Instrument :
MSVOA_X
ClientSampleId :
VX0720WBS03

Tgt Ion:112 Resp: 202534
Ion Ratio Lower Upper
112 100
114 31.9 25.3 37.9

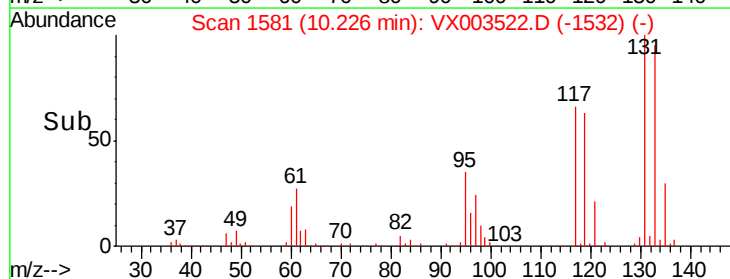
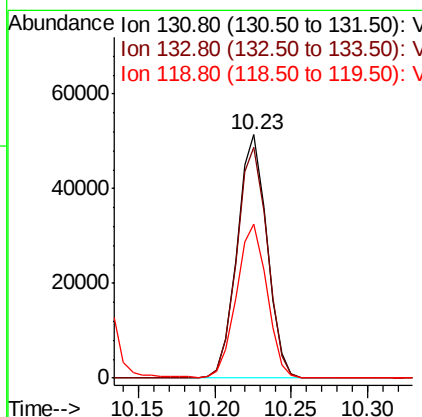
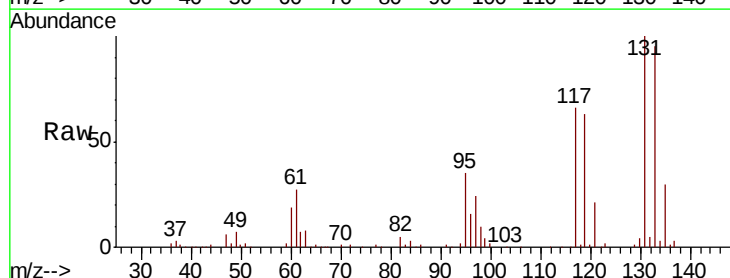
Manual Integrations
APPROVED

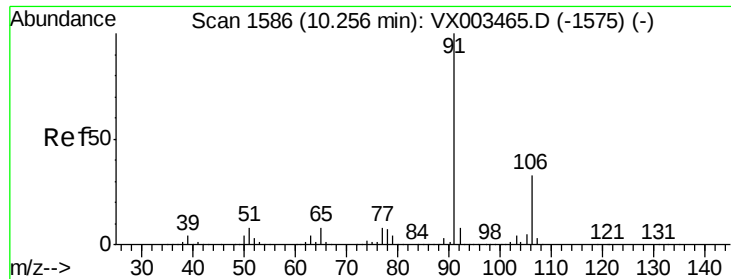
MMDadoda
7/23/2018 12:35:59 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.901 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003522.D
Acq: 20 Jul 2018 21:50

Tgt Ion:131 Resp: 69580
Ion Ratio Lower Upper
131 100
133 96.9 47.9 143.6
119 65.0 31.8 95.3





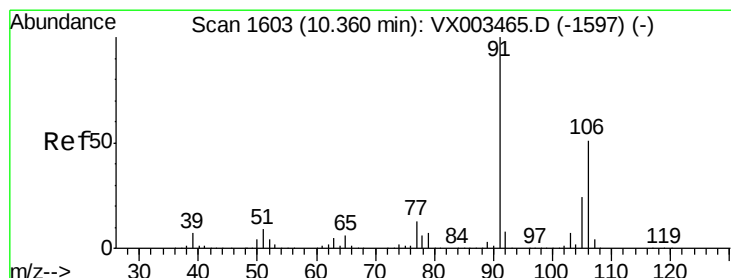
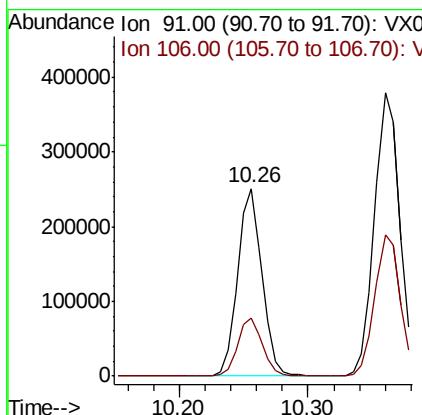
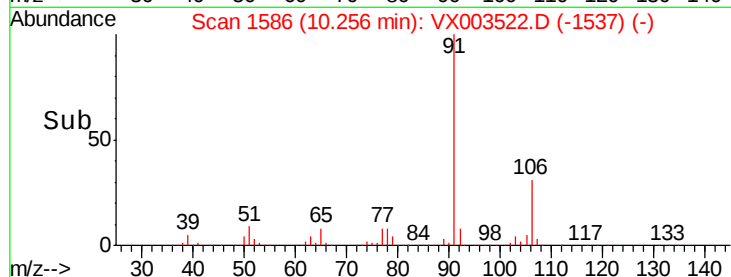
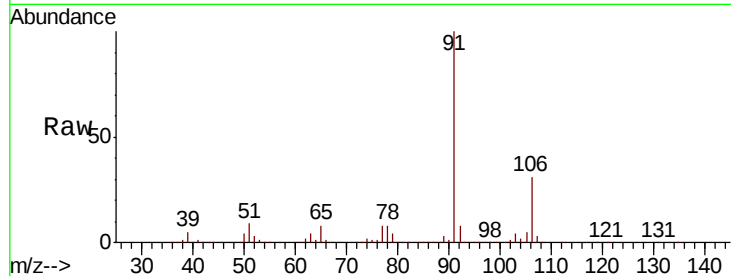
#67
Ethyl Benzene
Concen: 20.089 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003522.D
Acq: 20 Jul 2018 21:50

Instrument :
MSVOA_X
ClientSampleId :
VX0720WBS03

Tgt Ion: 91 Resp: 328227
Ion Ratio Lower Upper
91 100
106 30.8 25.5 38.3

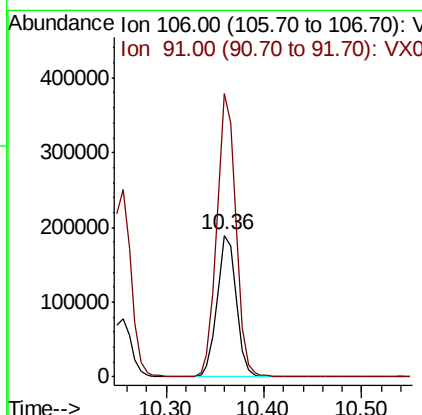
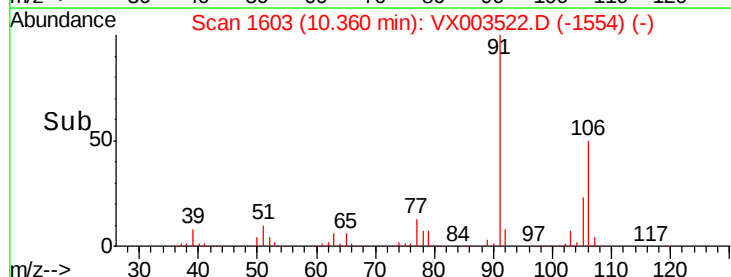
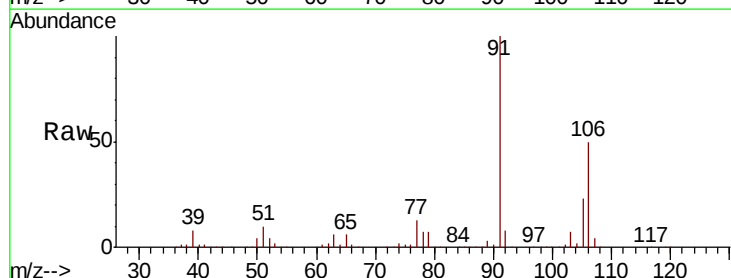
Manual Integrations
APPROVED

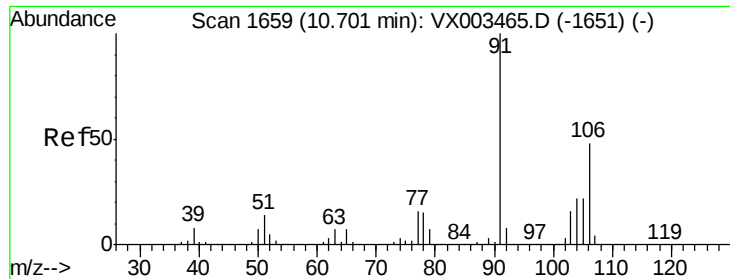
MMDadoda
7/23/2018 12:35:59 PM



#68
m/p-Xylenes
Concen: 40.187 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003522.D
Acq: 20 Jul 2018 21:50

Tgt Ion: 106 Resp: 257412
Ion Ratio Lower Upper
106 100
91 199.8 163.4 245.2





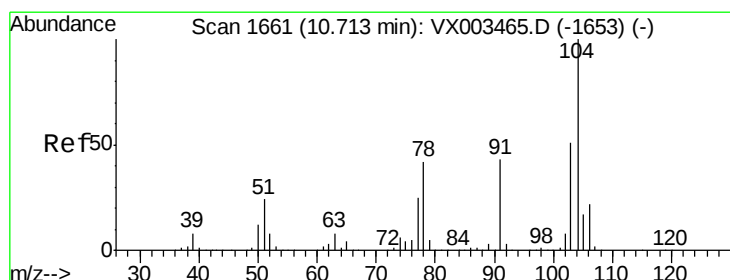
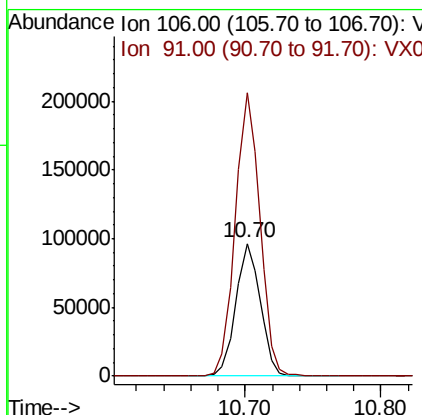
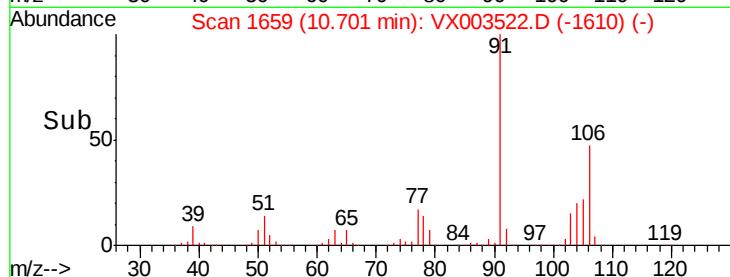
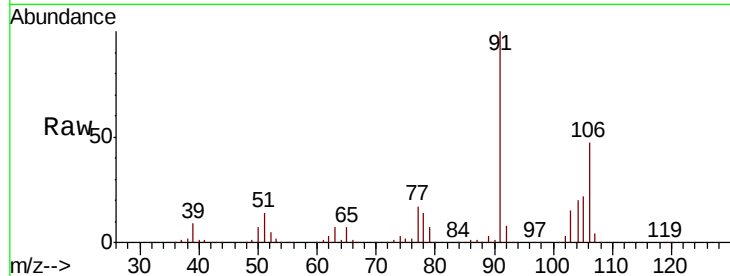
#69
o-Xylene
Concen: 19.618 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003522.D
Acq: 20 Jul 2018 21:50

Instrument :
MSVOA_X
ClientSampleId :
VX0720WBS03

Tgt Ion:106 Resp: 121513
Ion Ratio Lower Upper
106 100
91 214.4 108.2 324.6

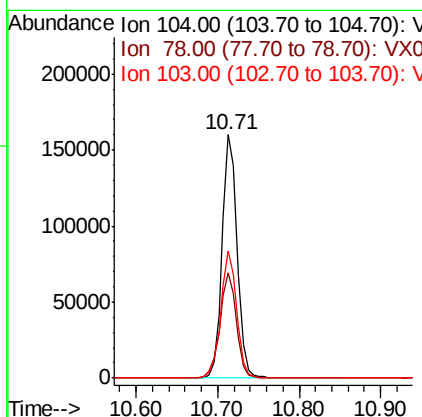
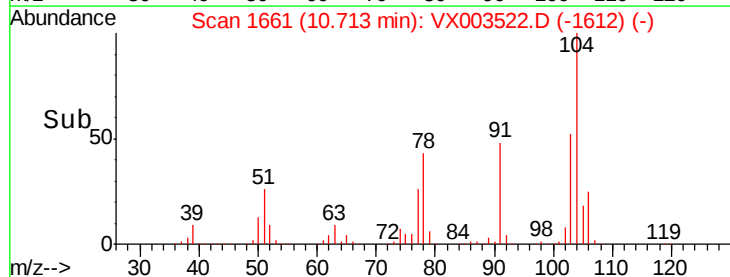
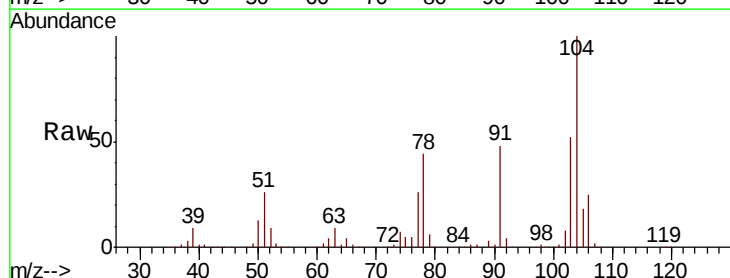
Manual Integrations
APPROVED

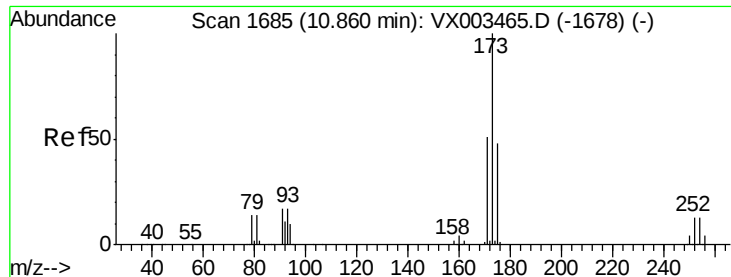
MMDadoda
7/23/2018 12:35:59 PM



#70
Styrene
Concen: 20.236 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003522.D
Acq: 20 Jul 2018 21:50

Tgt Ion:104 Resp: 206169
Ion Ratio Lower Upper
104 100
78 47.6 41.0 61.6
103 55.3 44.2 66.4





#71

Bromoform

Concen: 18.982 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003522.D

Acq: 20 Jul 2018 21:50

Instrument :

MSVOA_X

ClientSampleId :

VX0720WBS03

Tgt Ion:173 Resp: 51563

Ion Ratio Lower Upper

173 100

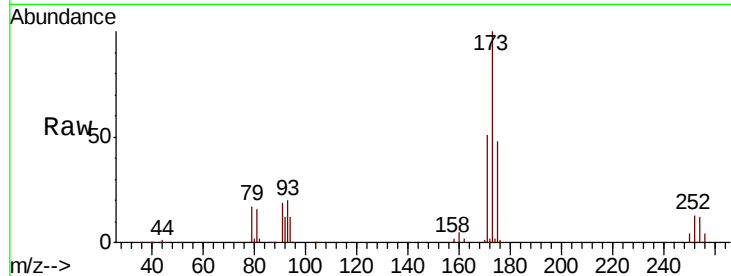
175 48.5 24.7 74.1

254 0.1 0.2 0.2#

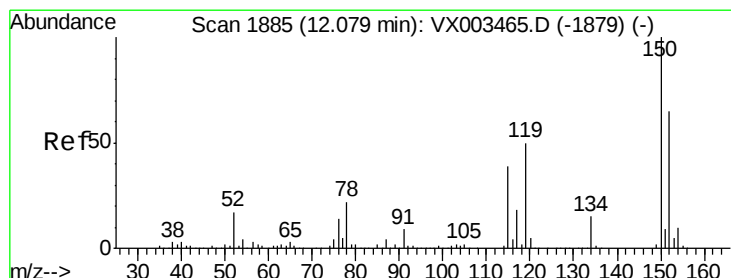
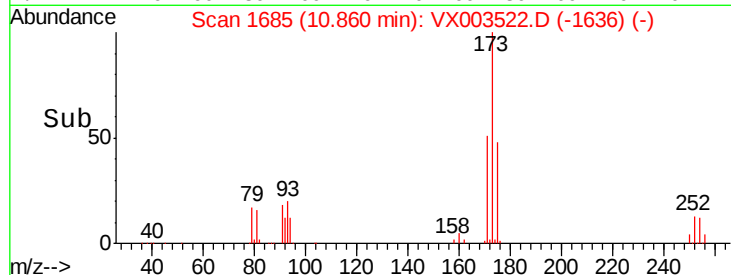
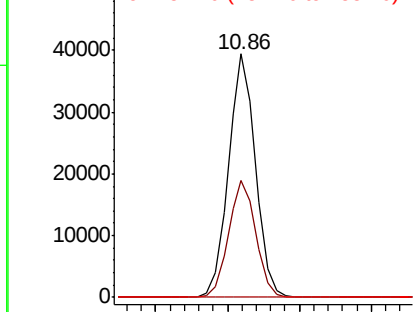
Manual Integrations
APPROVED

MMDadoda

7/23/2018 12:35:59 PM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003522.D

Acq: 20 Jul 2018 21:50

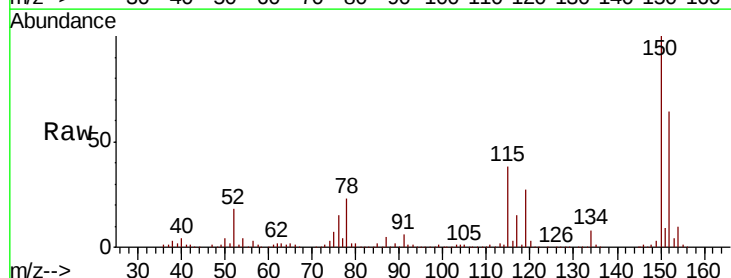
Tgt Ion:152 Resp: 231094

Ion Ratio Lower Upper

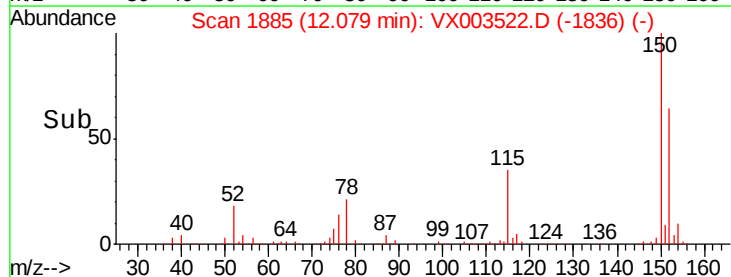
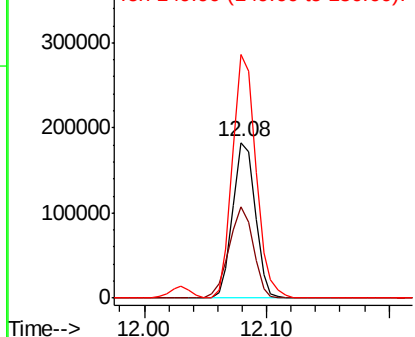
152 100

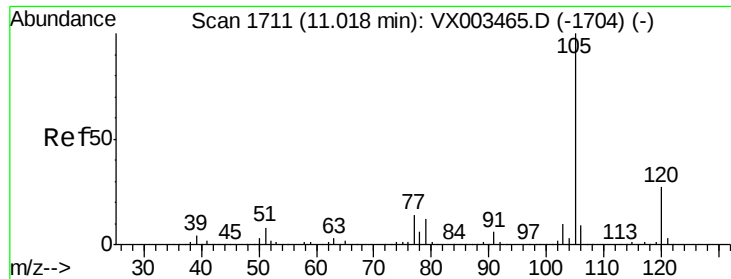
115 64.0 40.1 120.2

150 163.7 0.0 347.2



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





#73

Isopropylbenzene

Concen: 20.662 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX003522.D

Acq: 20 Jul 2018 21:50

Instrument :

MSVOA_X

ClientSampleId :

VX0720WBS03

Tgt Ion: 105 Resp: 330222

Ion Ratio Lower Upper

105 100

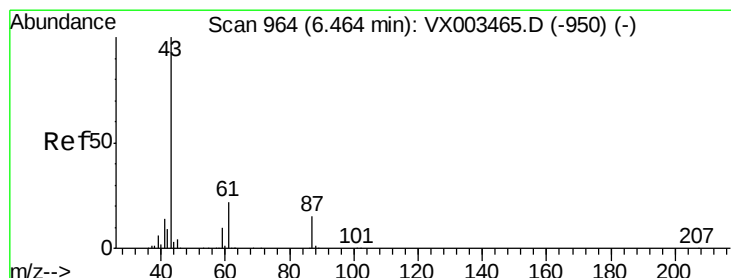
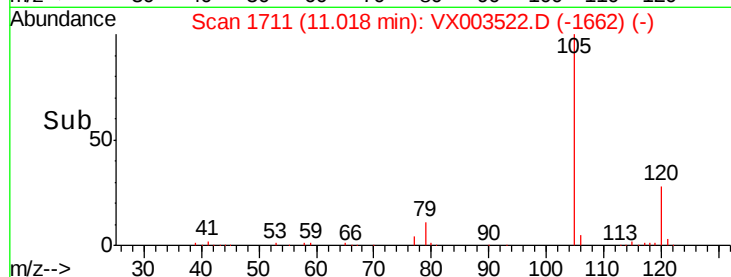
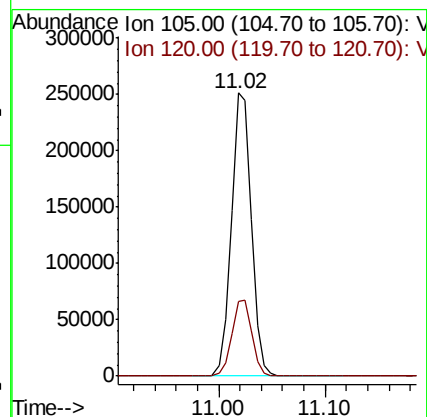
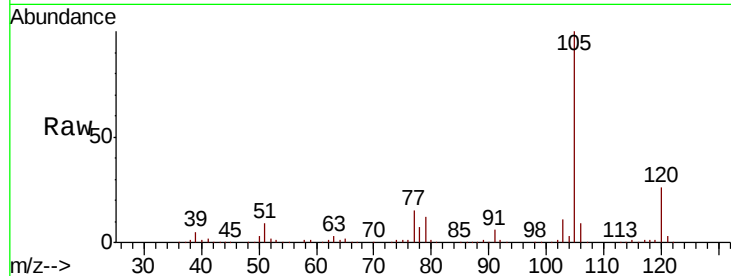
120 27.0 13.5 40.4

Manual Integrations

APPROVED

MMDadoda

7/23/2018 12:35:59 PM



#74

N-ethyl acetate

Concen: 21.414 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.01 min

Lab File: VX003522.D

Acq: 20 Jul 2018 21:50

Tgt Ion: 43 Resp: 145325

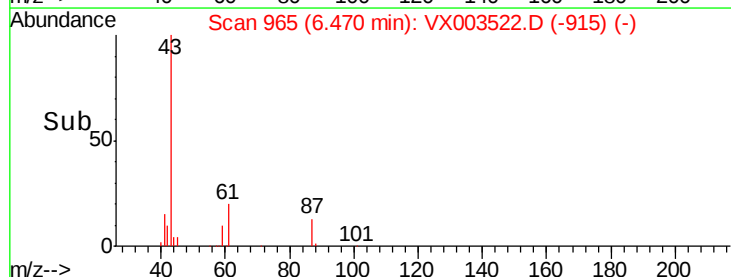
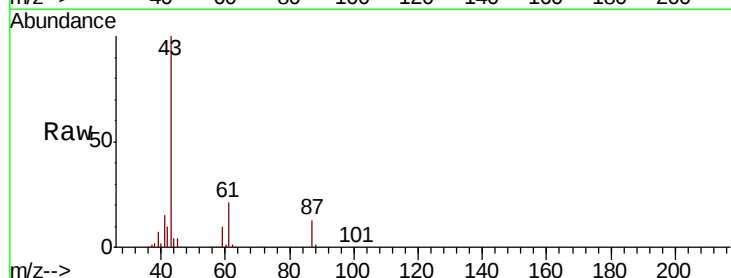
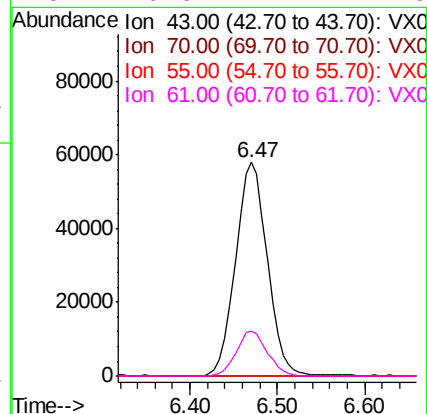
Ion Ratio Lower Upper

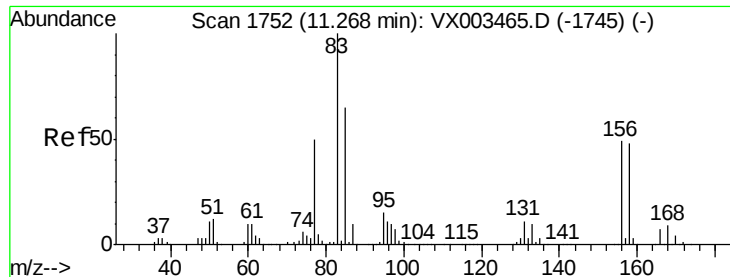
43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0#

61 20.6 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.166 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VX003522.D

Acq: 20 Jul 2018 21:50

Instrument :

MSVOA_X

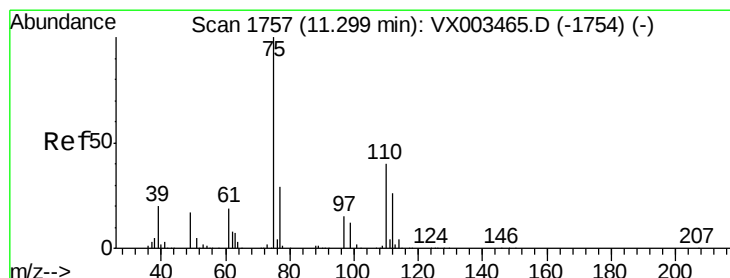
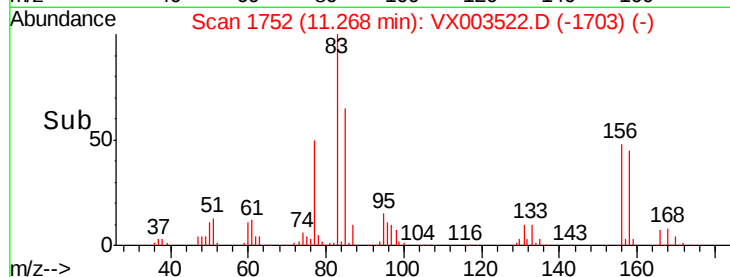
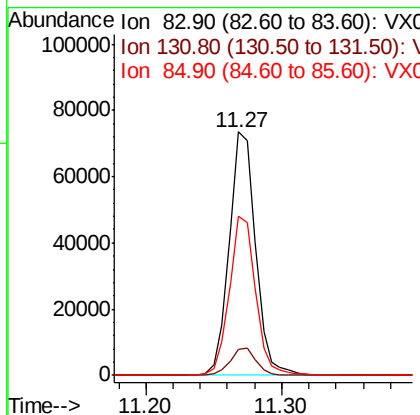
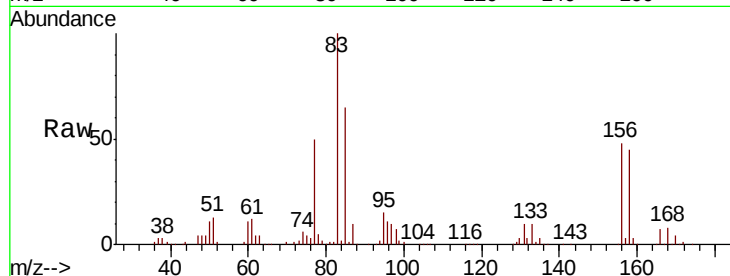
ClientSampled :

VX0720WBS03

Tgt Ion:	83	Resp:	99132
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.6	16.8
85	65.0	32.4	97.2

Manual Integrations
APPROVED

MMDadoda
7/23/2018 12:35:59 PM



#76

1,2,3-Trichloropropane

Concen: 22.124 ug/l m

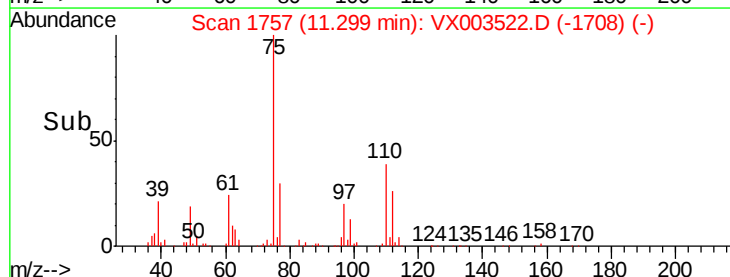
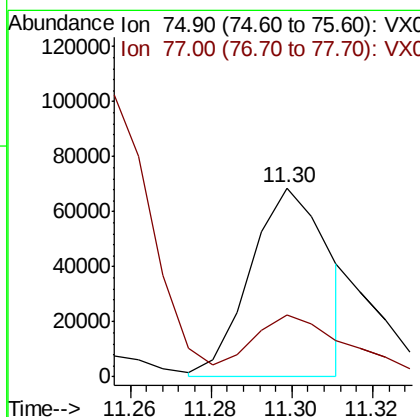
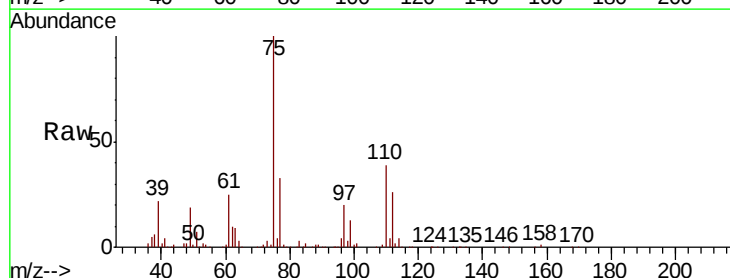
RT: 11.30 min Scan# 1757

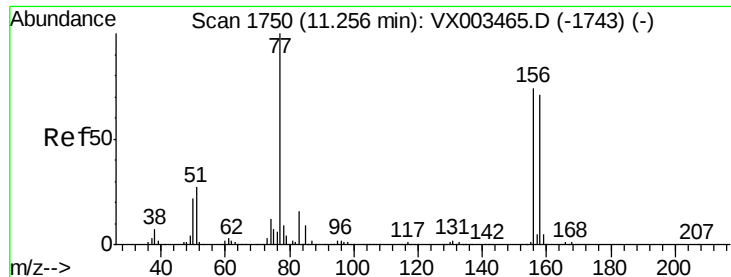
Delta R.T. 0.00 min

Lab File: VX003522.D

Acq: 20 Jul 2018 21:50

Tgt Ion:	75	Resp:	91848
Ion Ratio	Lower	Upper	
75	100		
77	40.0	22.8	68.3





#77

Bromobenzene

Concen: 20.125 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003522.D

Acq: 20 Jul 2018 21:50

Instrument :

MSVOA_X

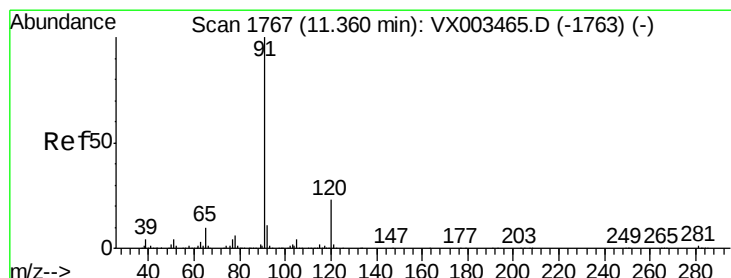
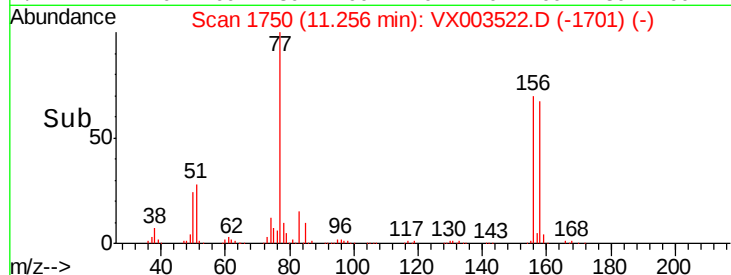
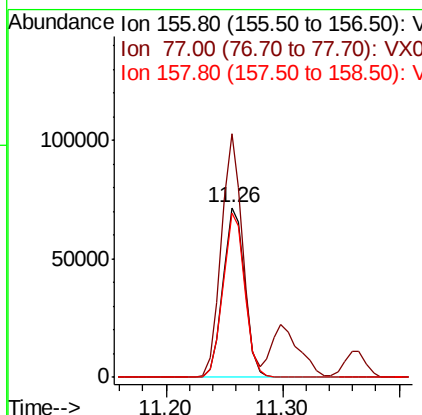
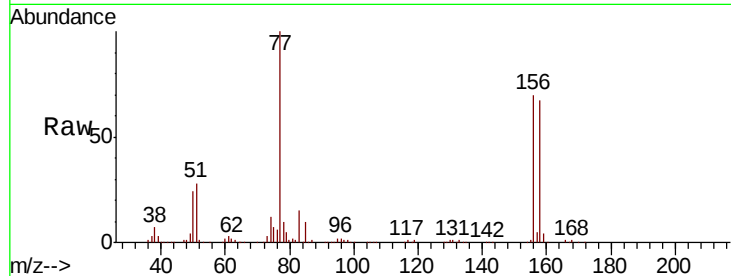
ClientSampleId :

VX0720WBS03

Tgt Ion	Ratio	Lower	Upper
156	100		
77	138.6	71.4	214.2
158	96.9	48.9	146.6

Manual Integrations
APPROVED

MMDadoda
7/23/2018 12:35:59 PM



#78

n-propylbenzene

Concen: 21.125 ug/l

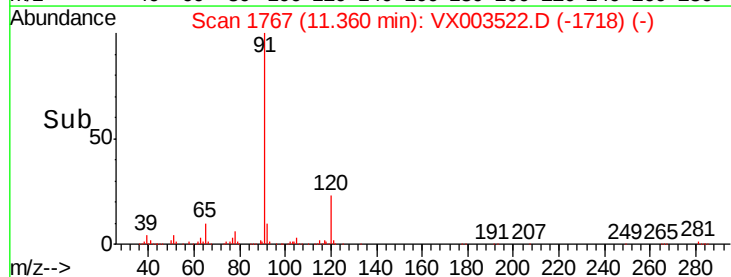
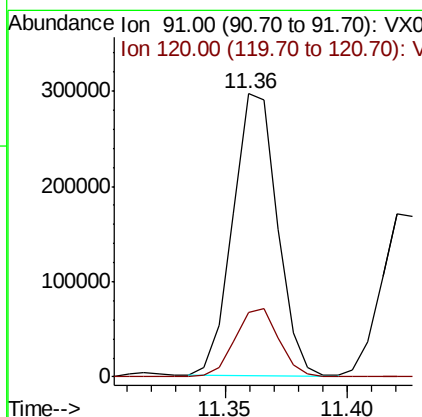
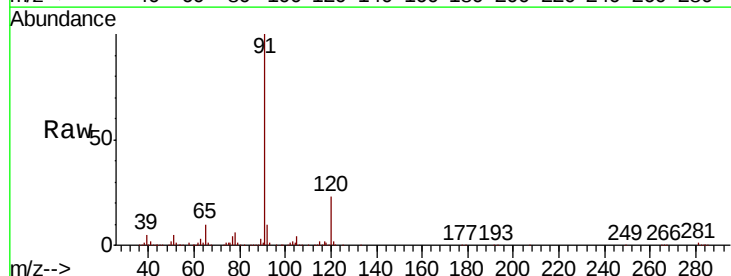
RT: 11.36 min Scan# 1767

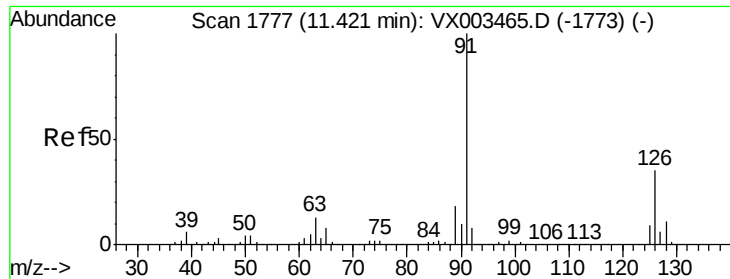
Delta R.T. 0.00 min

Lab File: VX003522.D

Acq: 20 Jul 2018 21:50

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.9	11.8	35.4





#79

2-Chlorotoluene

Concen: 20.962 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. 0.00 min

Lab File: VX003522.D

Acq: 20 Jul 2018 21:50

Instrument :

MSVOA_X

ClientSampleId :

VX0720WBS03

Tgt Ion: 91 Resp: 226072

Ion Ratio Lower Upper

91 100

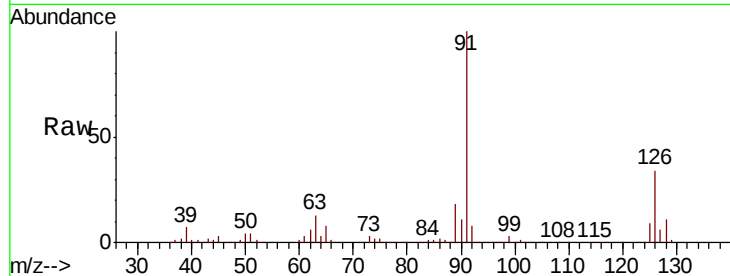
126 36.2 17.7 53.1

Manual Integrations

APPROVED

MMDadoda

7/23/2018 12:35:59 PM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

300000

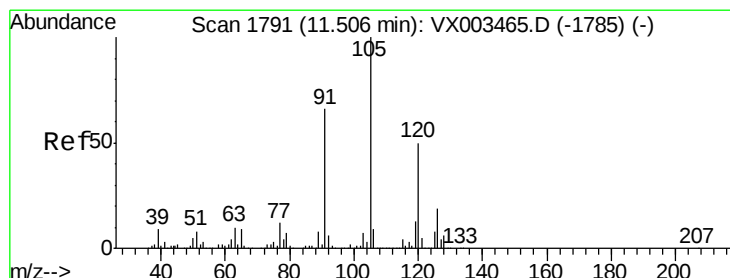
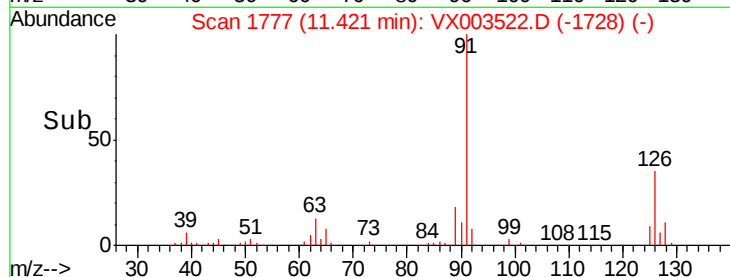
200000

100000

0

11.40 11.42 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.245 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.01 min

Lab File: VX003522.D

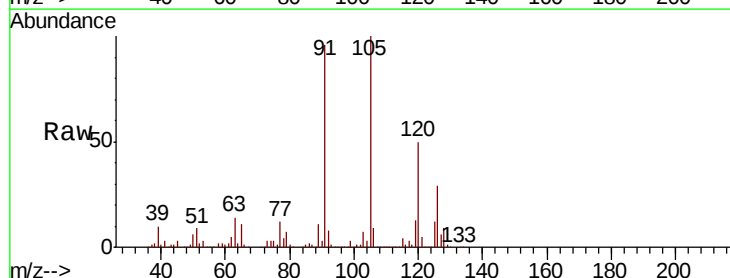
Acq: 20 Jul 2018 21:50

Tgt Ion: 105 Resp: 279054

Ion Ratio Lower Upper

105 100

120 49.6 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

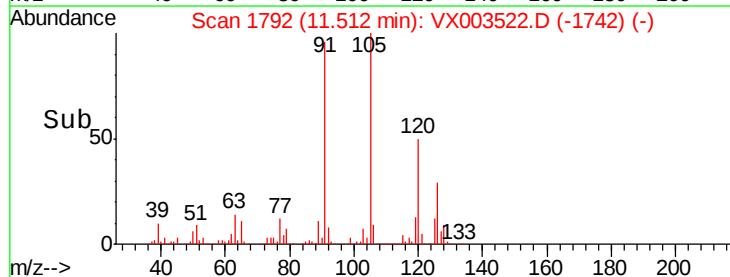
100000

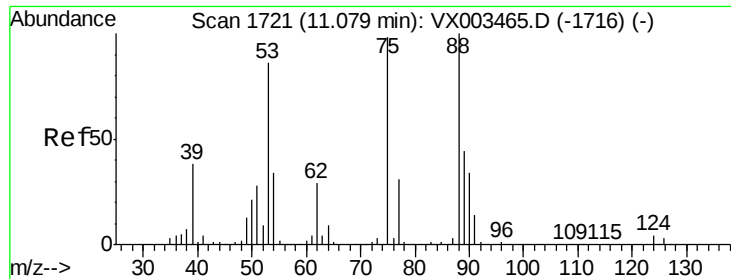
50000

0

11.40 11.50 11.60

Time-->





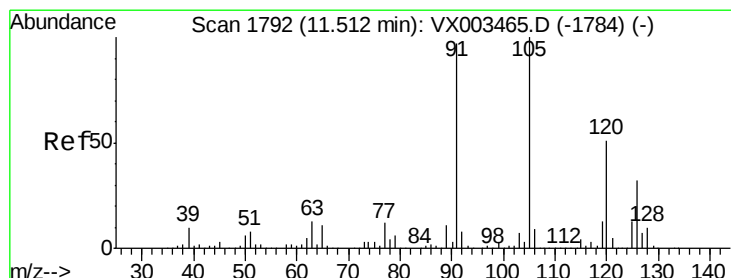
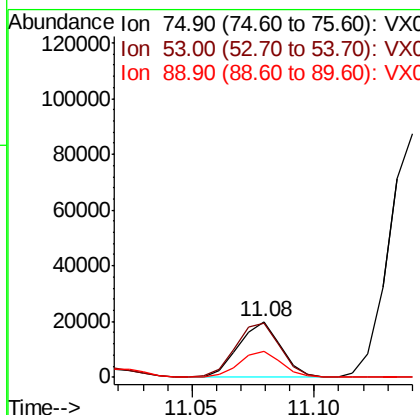
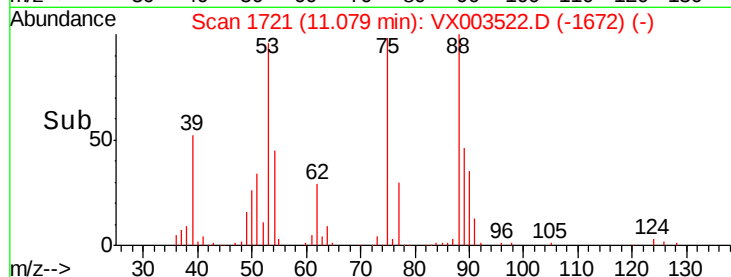
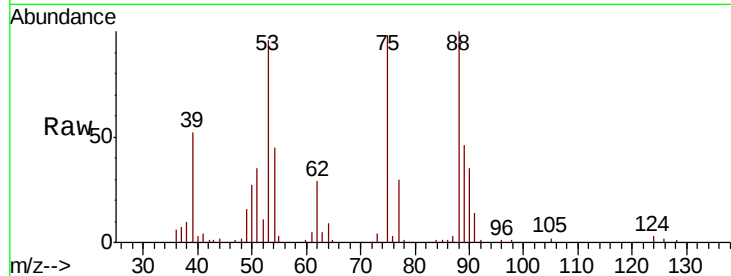
#81
trans-1,4-Dichloro-2-butene
Concen: 17.989 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX003522.D
Acq: 20 Jul 2018 21:50

Instrument :
MSVOA_X
ClientSampleId :
VX0720WBS03

Tgt Ion: 75 Resp: 23969
Ion Ratio Lower Upper
75 100
53 104.9 86.8 130.2
89 47.4 38.2 57.2

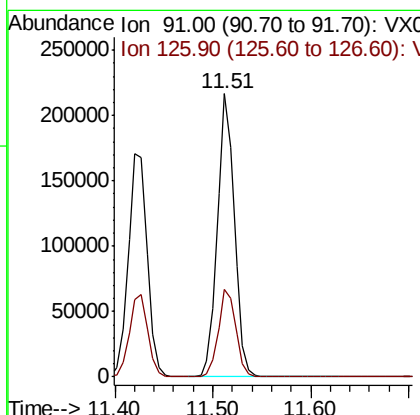
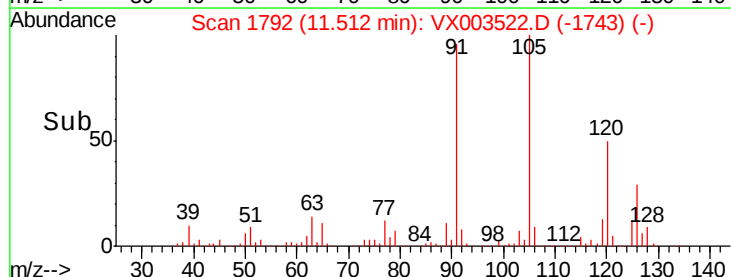
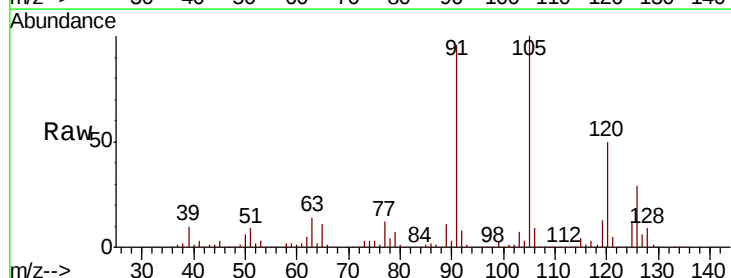
Manual Integrations
APPROVED

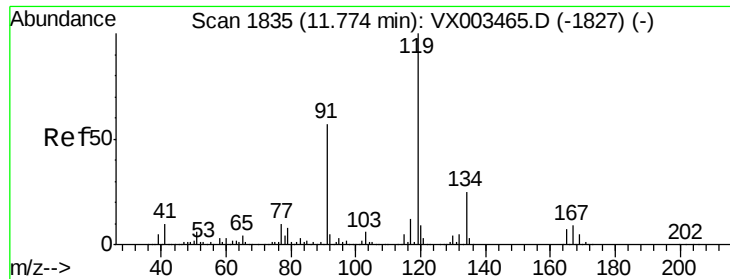
MMDadoda
7/23/2018 12:35:59 PM



#82
4-Chlorotoluene
Concen: 20.719 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003522.D
Acq: 20 Jul 2018 21:50

Tgt Ion: 91 Resp: 261840
Ion Ratio Lower Upper
91 100
126 31.6 15.4 46.4





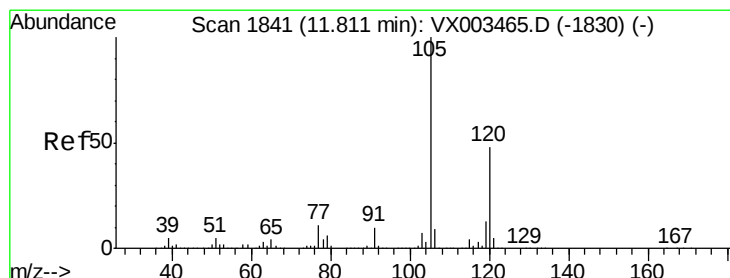
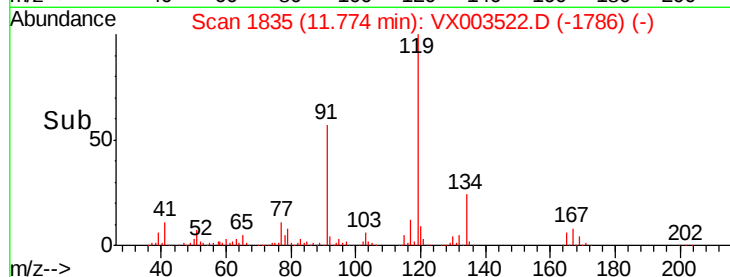
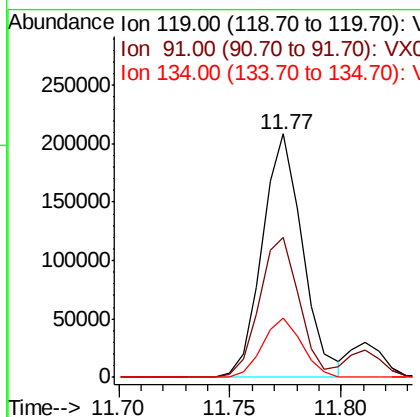
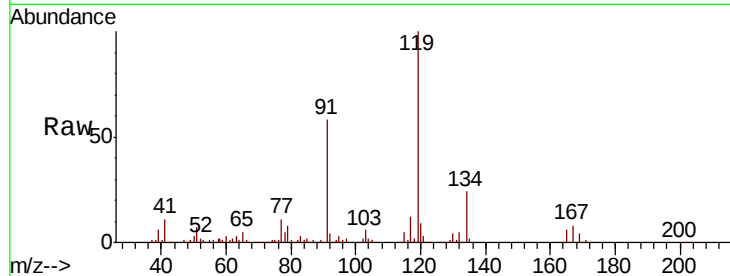
#83
 tert-Butylbenzene
 Concen: 20.354 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003522.D
 Acq: 20 Jul 2018 21:50

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0720WBS03

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	261814		
91	56.7	30.3	90.9	
134	23.8	11.7	35.1	

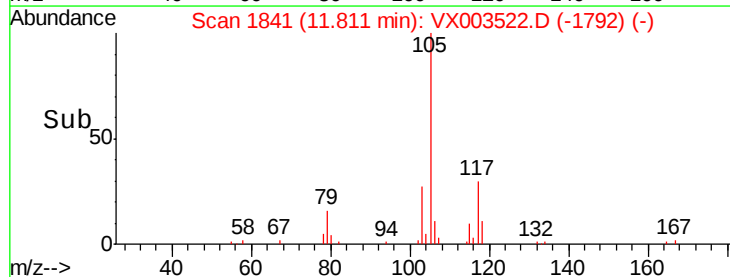
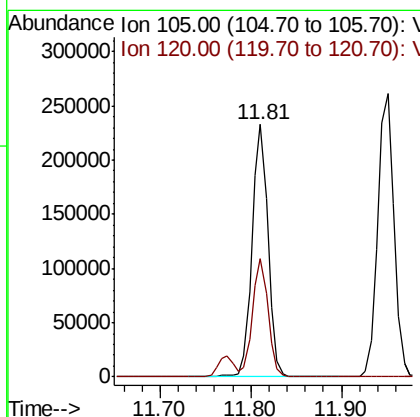
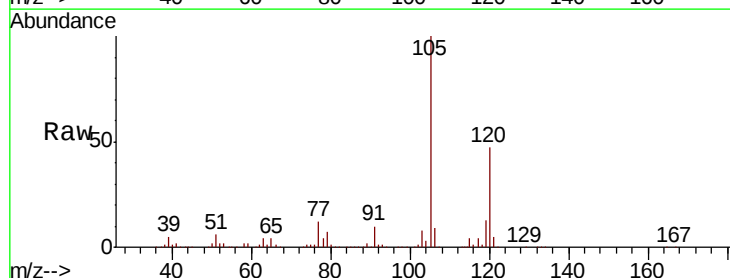
Manual Integrations
 APPROVED

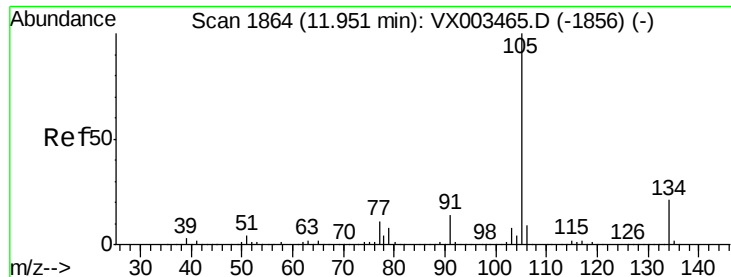
MMDadoda
 7/23/2018 12:35:59 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 21.198 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003522.D
 Acq: 20 Jul 2018 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	283316		
120	45.9	22.3	66.8	





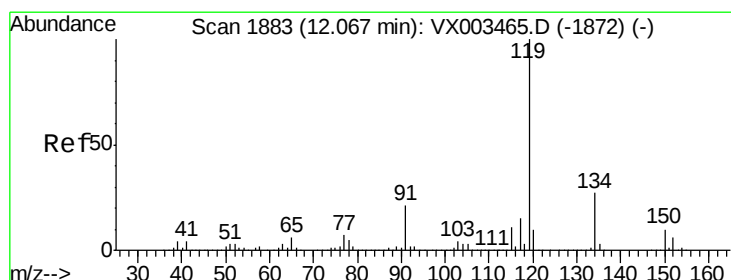
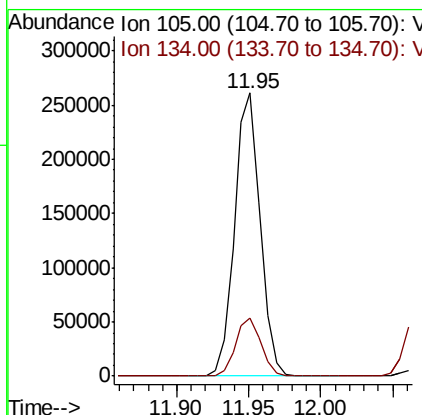
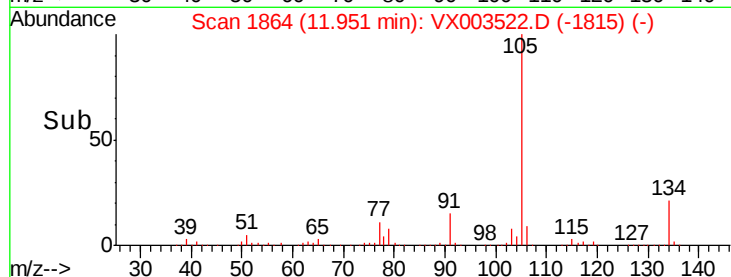
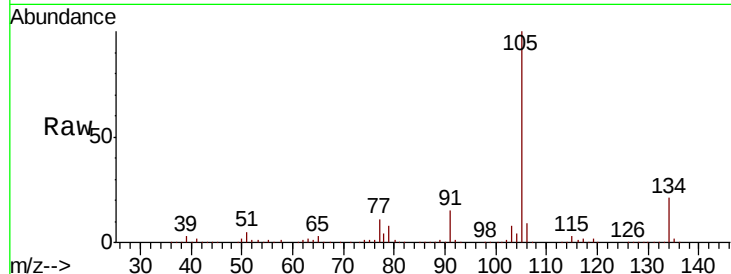
#85
 sec-Butylbenzene
 Concen: 20.665 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX003522.D
 Acq: 20 Jul 2018 21:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0720WBS03

Tgt Ion:105 Resp: 322874
 Ion Ratio Lower Upper
 105 100
 134 20.6 10.4 31.1

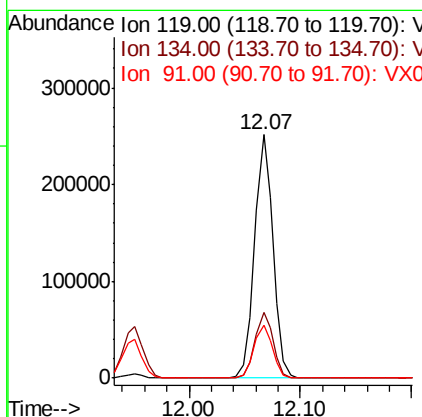
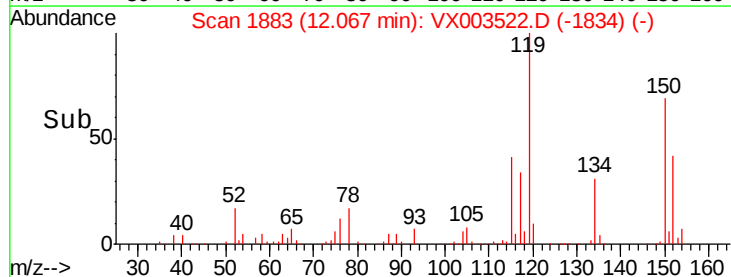
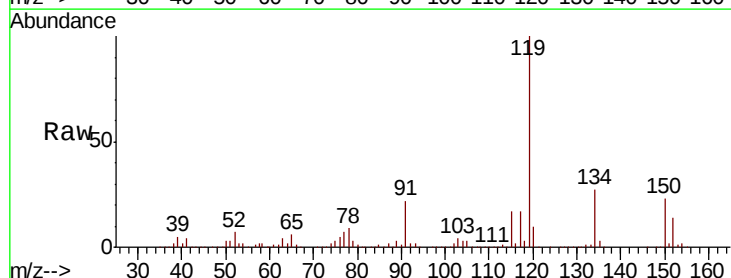
Manual Integrations
 APPROVED

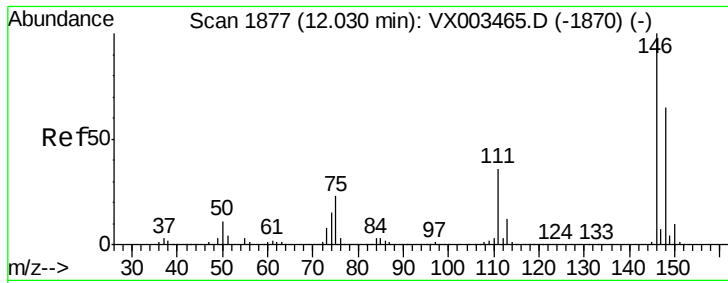
MMDadoda
 7/23/2018 12:35:59 PM



#86
 p-Isopropyltoluene
 Concen: 20.640 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VX003522.D
 Acq: 20 Jul 2018 21:50

Tgt Ion:119 Resp: 289399
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.4 40.1
 91 22.3 11.9 35.7





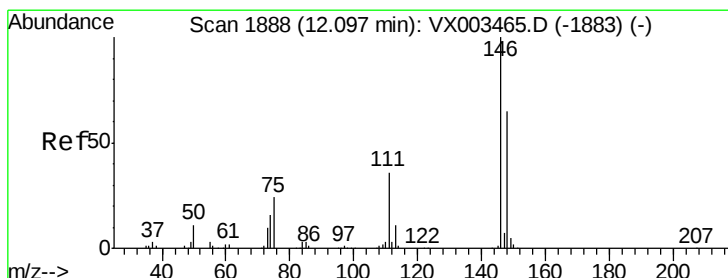
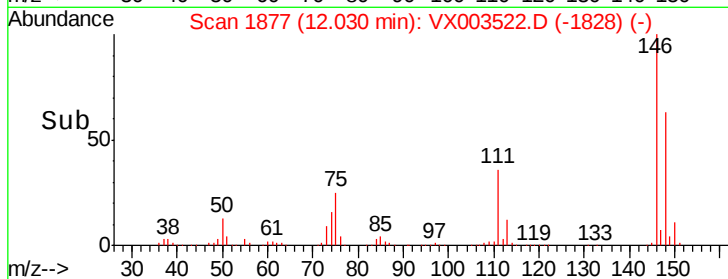
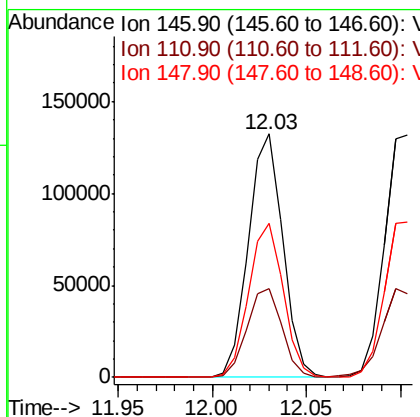
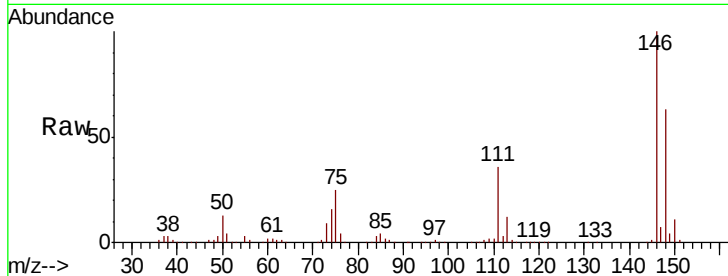
#87
 1,3-Dichlorobenzene
 Concen: 19.909 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003522.D
 Acq: 20 Jul 2018 21:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0720WBS03

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	168227		
111	37.0	18.9	56.7	
148	63.6	32.1	96.3	

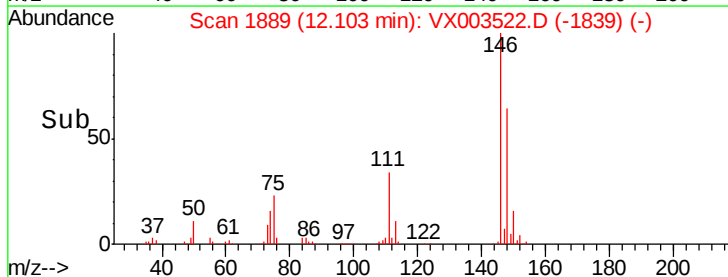
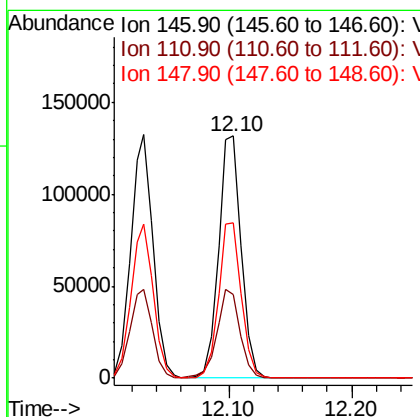
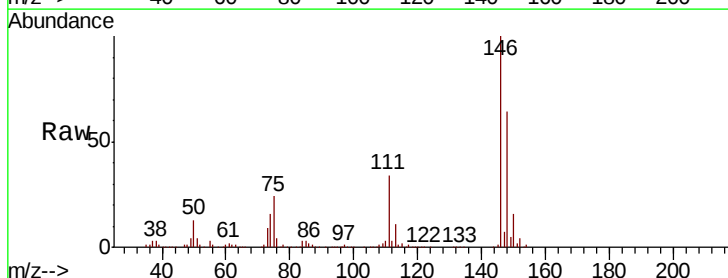
Manual Integrations
 APPROVED

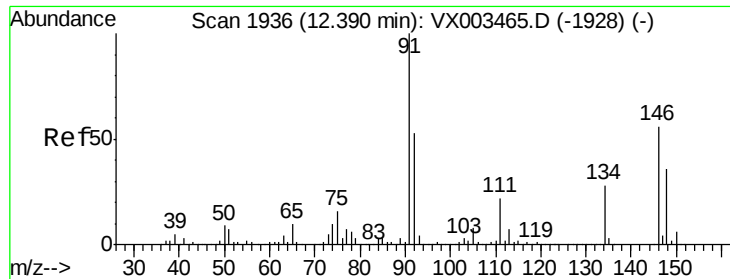
MMDadoda
 7/23/2018 12:35:59 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.436 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.01 min
 Lab File: VX003522.D
 Acq: 20 Jul 2018 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	169176		
111	37.4	18.7	56.1	
148	64.7	32.4	97.0	





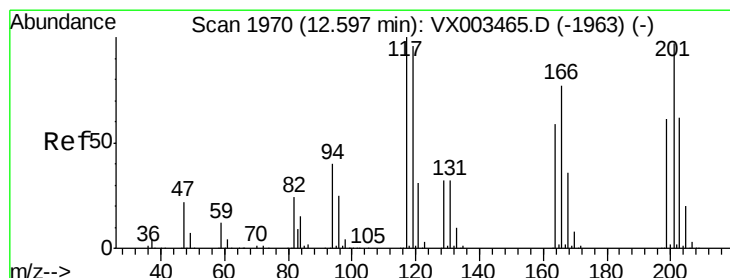
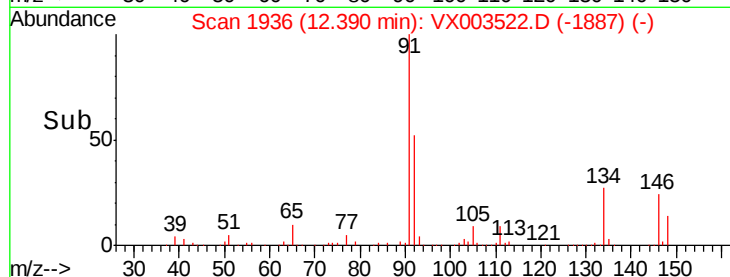
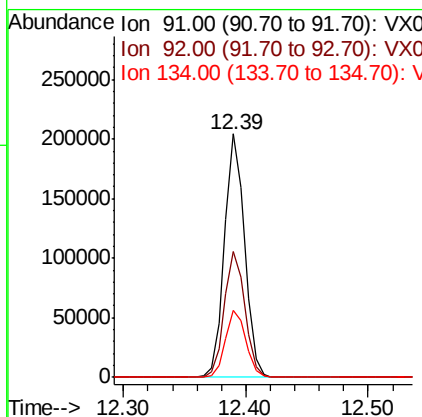
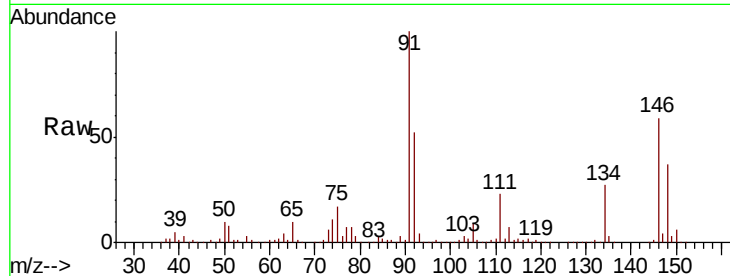
#89
n-Butylbenzene
Concen: 19.607 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003522.D
Acq: 20 Jul 2018 21:50

Instrument :
MSVOA_X
ClientSampleId :
VX0720WBS03

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.0	78.0
134	28.0	13.5	40.5

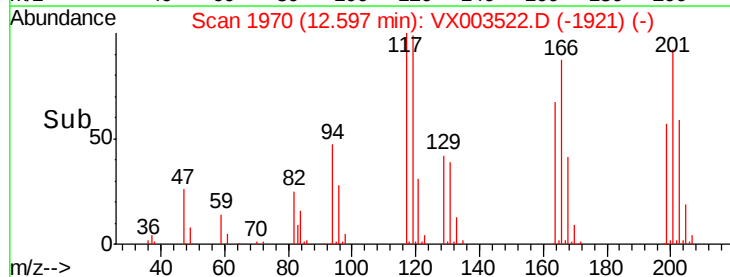
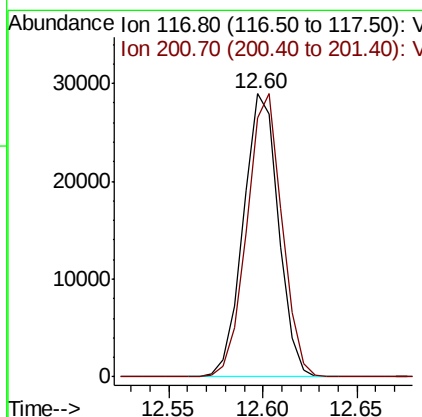
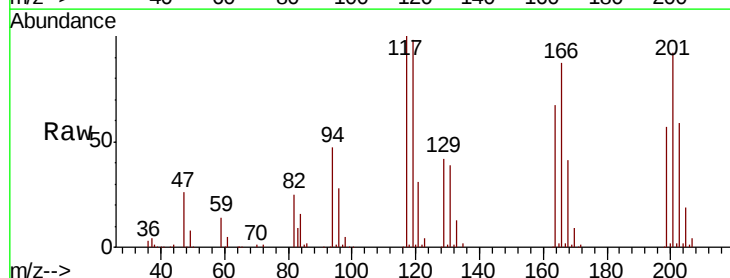
Manual Integrations
APPROVED

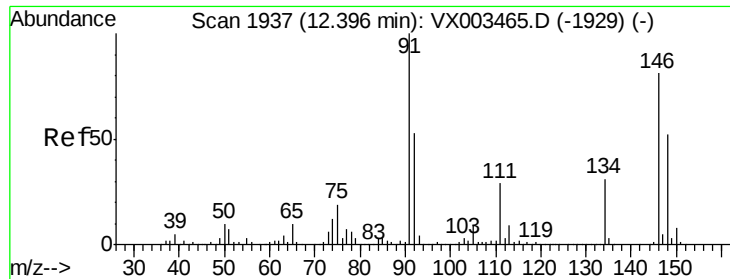
MMDadoda
7/23/2018 12:35:59 PM



#90
Hexachloroethane
Concen: 18.770 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003522.D
Acq: 20 Jul 2018 21:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	99.4	49.0	147.0





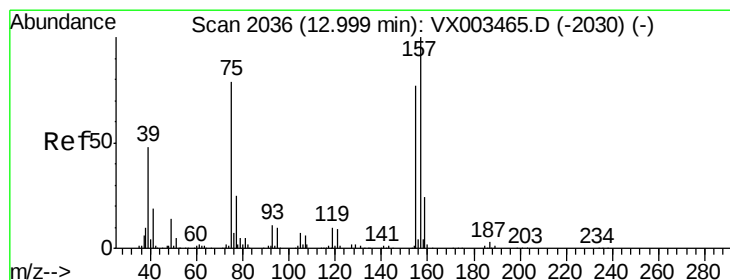
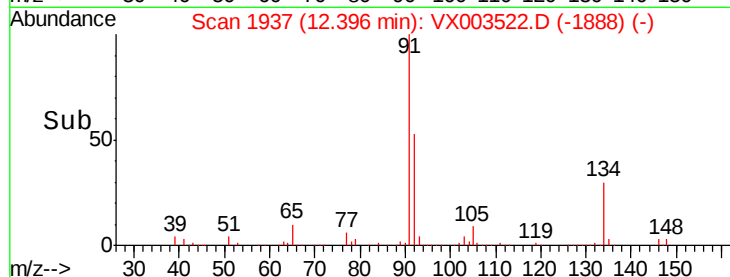
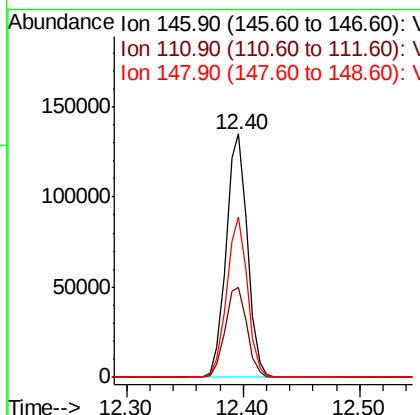
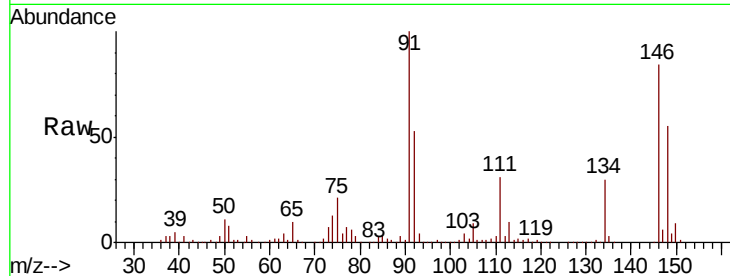
#91
 1,2-Dichlorobenzene
 Concen: 20.418 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003522.D
 Acq: 20 Jul 2018 21:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0720WBS03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.4	58.1
148	64.3	31.7	95.1

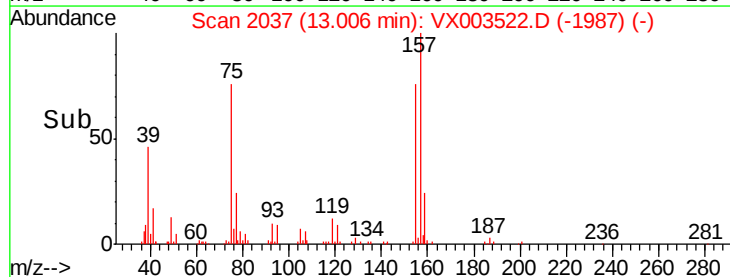
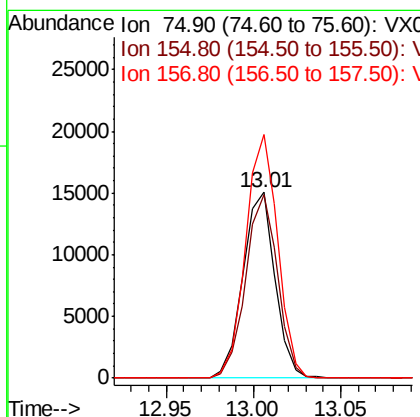
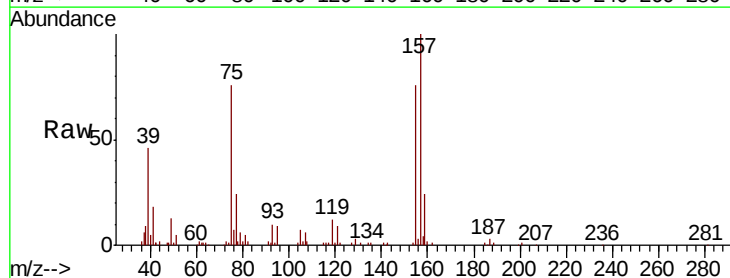
Manual Integrations
 APPROVED

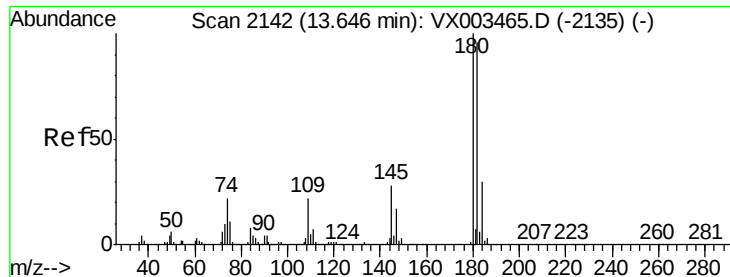
MMDadoda
 7/23/2018 12:35:59 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.036 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VX003522.D
 Acq: 20 Jul 2018 21:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.5	45.8	137.4
157	130.6	60.1	180.3





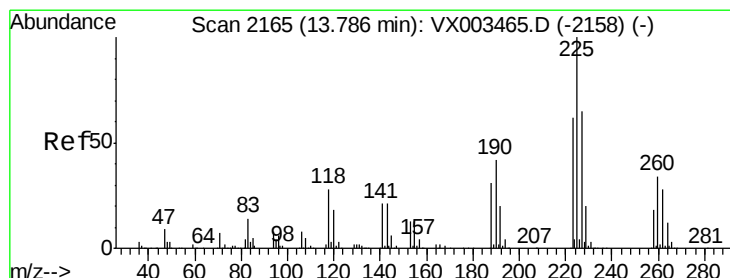
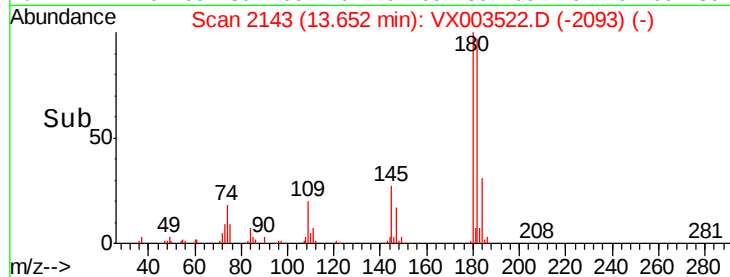
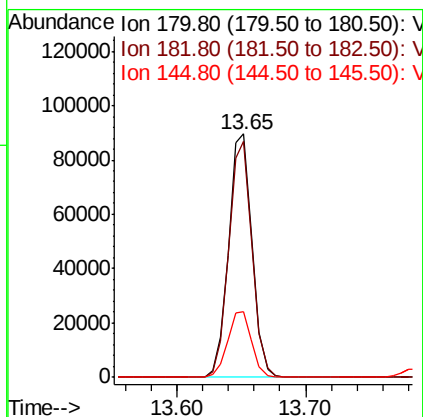
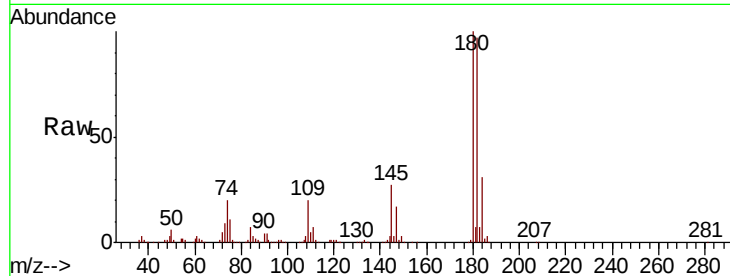
#93
 1,2,4-Trichlorobenzene
 Concen: 18.767 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.01 min
 Lab File: VX003522.D
 Acq: 20 Jul 2018 21:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0720WBS03

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	114544		
182	96.1	47.7	143.1	
145	27.7	14.1	42.4	

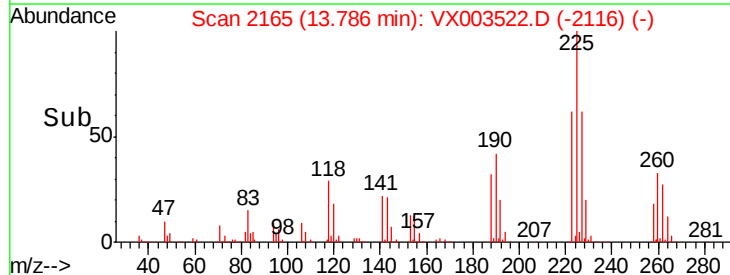
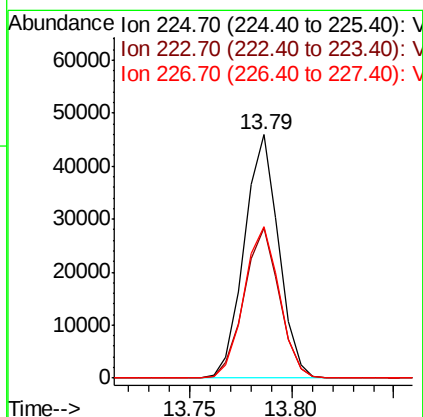
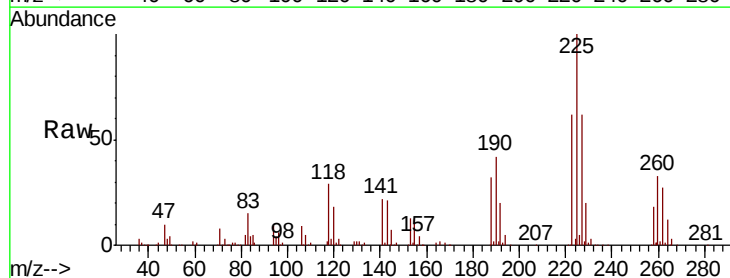
Manual Integrations
 APPROVED

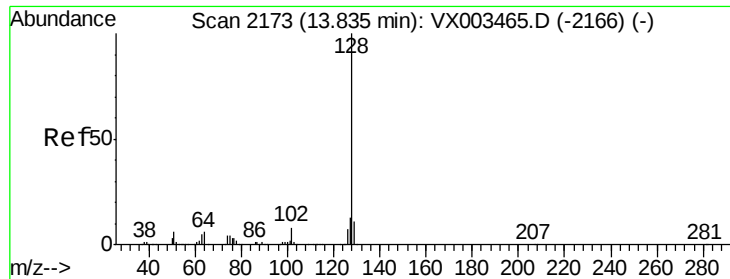
MMDadoda
 7/23/2018 12:35:59 PM



#94
 Hexachlorobutadiene
 Concen: 18.340 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003522.D
 Acq: 20 Jul 2018 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	53833		
223	63.0	31.6	95.0	
227	64.3	32.4	97.2	





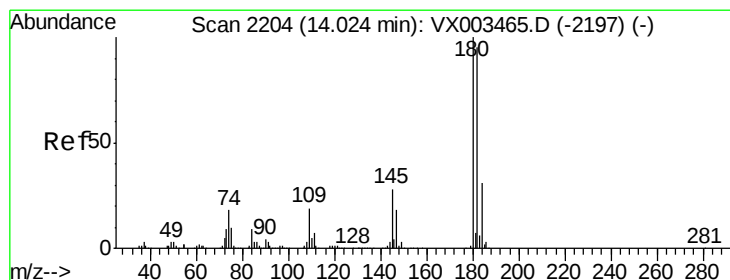
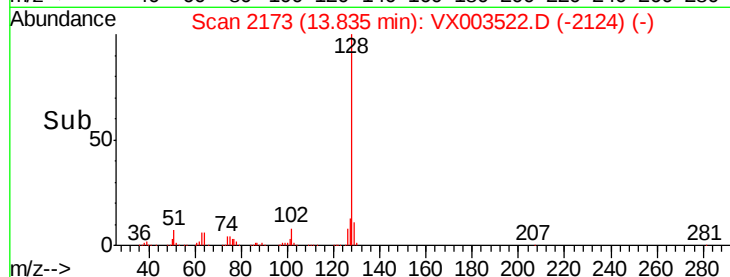
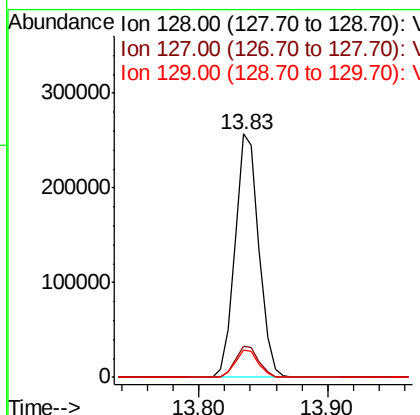
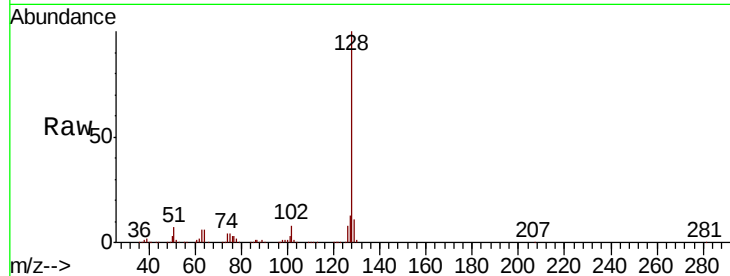
#95
Naphthalene
Concen: 20.623 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX003522.D
Acq: 20 Jul 2018 21:50

Instrument :
MSVOA_X
ClientSampleId :
VX0720WBS03

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	330764		
127	12.7	10.4	15.6	
129	10.9	8.6	13.0	

Manual Integrations
APPROVED

MMDadoda
7/23/2018 12:35:59 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.331 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX003522.D
Acq: 20 Jul 2018 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	116797		
182	96.5	48.0	144.0	
145	29.6	14.8	44.3	

