

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061918\
 Data File : VX002731.D
 Acq On : 19 Jun 2018 23:24
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/20/2018 6:26:57 PM

Quant Time: Jun 20 02:20:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:37:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	232308	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	326678	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	318336	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	205403	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	151853	43.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.04%	
35) Dibromofluoromethane	5.51	113	122581	47.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.04%	
50) Toluene-d8	8.72	98	448685	45.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.64%	
62) 4-Bromofluorobenzene	11.14	95	172904	46.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	116689	47.32	ug/l	98
3) Chloromethane	1.32	50	123590	42.13	ug/l	100
4) Vinyl Chloride	1.41	62	136407	44.81	ug/l	98
5) Bromomethane	1.64	94	64209	34.96	ug/l	100
6) Chloroethane	1.71	64	93362	46.53	ug/l	99
7) Trichlorofluoromethane	1.92	101	233689	47.25	ug/l	98
8) Diethyl Ether	2.19	74	83220	44.24	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	127446	46.10	ug/l	98
10) Methyl Iodide	2.51	142	134420	37.48	ug/l	100
11) Tert butyl alcohol	3.09	59	173691	238.00	ug/l	98
12) 1,1-Dichloroethene	2.37	96	118465	45.64	ug/l	96
13) Acrolein	2.30	56	107819	313.35	ug/l	100
14) Allyl chloride	2.73	41	228536	44.34	ug/l	99
15) Acrylonitrile	3.15	53	368427	231.35	ug/l	100
16) Acetone	2.45	43	349109	224.15	ug/l	99
17) Carbon Disulfide	2.57	76	307444	49.94	ug/l	100
18) Methyl Acetate	2.78	43	197348	47.56	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	431205	44.28	ug/l	99
20) Methylene Chloride	2.85	84	133183	41.70	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	127327	45.22	ug/l	97
22) Diisopropyl ether	3.88	45	424286	45.50	ug/l	97
23) Vinyl Acetate	3.83	43	1818600	233.02	ug/l	99
24) 1,1-Dichloroethane	3.70	63	246794	48.76	ug/l	99
25) 2-Butanone	4.71	43	500469	244.68	ug/l	97
26) 2,2-Dichloropropane	4.59	77	127538	35.07	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	134875	47.07	ug/l	92
28) Bromochloromethane	5.03	49	106118	44.77	ug/l	95
29) Tetrahydrofuran	5.17	42	327530	244.33	ug/l	98
30) Chloroform	5.22	83	238570	48.88	ug/l	96
31) Cyclohexane	5.57	56	194200	46.61	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	206896	50.69	ug/l	99
36) 1,1-Dichloropropene	5.80	75	170781	49.22	ug/l	99
37) Ethyl Acetate	4.87	43	194582	49.55	ug/l	99
38) Carbon Tetrachloride	5.79	117	187801	54.36	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061918\
 Data File : VX002731.D
 Acq On : 19 Jun 2018 23:24
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/20/2018 6:26:57 PM

Quant Time: Jun 20 02:20:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:37:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	196061	48.34	ug/l	98
40) Benzene	6.15	78	507926	48.82	ug/l	99
41) Methacrylonitrile	5.07	41	110886	50.01	ug/l	98
42) 1,2-Dichloroethane	6.20	62	200126	49.69	ug/l	100
43) Isopropyl Acetate	6.48	43	318172	48.90	ug/l	100
44) Trichloroethene	7.21	130	148330	49.40	ug/l	100
45) 1,2-Dichloropropane	7.52	63	134964	49.29	ug/l	97
46) Dibromomethane	7.67	93	94070	51.36	ug/l	99
47) Bromodichloromethane	7.90	83	173988	53.86	ug/l	97
48) Methyl methacrylate	7.78	41	163135	49.07	ug/l	96
49) 1,4-Dioxane	7.76	88	68923	1094.64	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	1066816	255.37	ug/l	99
52) Toluene	8.79	92	330006	49.73	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	193802	45.55	ug/l	98
54) cis-1,3-Dichloropropene	9.04	75	179384	44.36	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	137355	51.22	ug/l	98
56) Ethyl methacrylate	9.19	69	207060	50.18	ug/l	98
57) 1,3-Dichloropropane	9.38	76	222281	49.01	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	453132	227.03	ug/l	98
59) 2-Hexanone	9.50	43	820800	260.74	ug/l	98
60) Dibromochloromethane	9.59	129	143369	47.72	ug/l	99
61) 1,2-Dibromoethane	9.68	107	144685	52.10	ug/l	99
64) Tetrachloroethene	9.34	164	165675	46.89	ug/l	97
65) Chlorobenzene	10.14	112	381773	48.83	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	141136	52.95	ug/l	99
67) Ethyl Benzene	10.26	91	645792	48.97	ug/l	99
68) m/p-Xylenes	10.36	106	508288	99.93	ug/l	98
69) o-Xylene	10.70	106	248417	49.71	ug/l	98
70) Styrene	10.71	104	418542	50.93	ug/l	99
71) Bromoform	10.86	173	113972	47.26	ug/l #	98
73) Isopropylbenzene	11.02	105	666155	48.49	ug/l	99
74) N-amyl acetate	6.48	43	318172	46.62	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	207354	51.11	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	200415m	51.71	ug/l	
77) Bromobenzene	11.26	156	185603	48.50	ug/l	97
78) n-propylbenzene	11.37	91	753567	47.83	ug/l	99
79) 2-Chlorotoluene	11.43	91	450894	47.93	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	563477	48.54	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	49312	41.49	ug/l	98
82) 4-Chlorotoluene	11.51	91	540675	48.71	ug/l	100
83) tert-Butylbenzene	11.77	119	555604	49.68	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	585319	49.41	ug/l	98
85) sec-Butylbenzene	11.95	105	672556	48.36	ug/l	100
86) p-Isopropyltoluene	12.07	119	610784	48.54	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	338016	48.16	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	344208	48.20	ug/l	99
89) n-Butylbenzene	12.39	91	521501	46.98	ug/l	99
90) Hexachloroethane	12.60	117	88250	45.26	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	344893	48.82	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	47108	55.44	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061918\
Data File : VX002731.D
Acq On : 19 Jun 2018 23:24
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

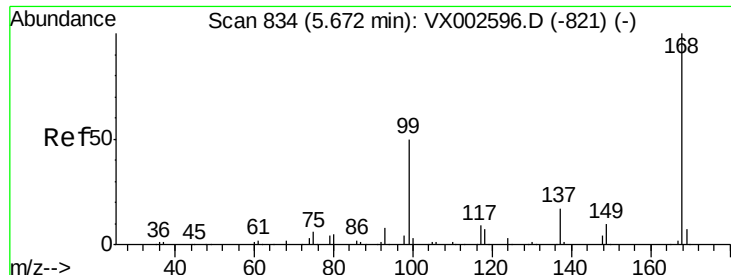
Manual Integrations
APPROVED

MMDadoda
6/20/2018 6:26:57 PM

Quant Time: Jun 20 02:20:10 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:37:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	249588	48.68	ug/l	99
94) Hexachlorobutadiene	13.79	225	126640	46.89	ug/l	99
95) Naphthalene	13.84	128	724988	52.55	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	253258	49.18	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002731.D

Acq: 19 Jun 2018 23:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 232308

Ion Ratio Lower Upper

168 100

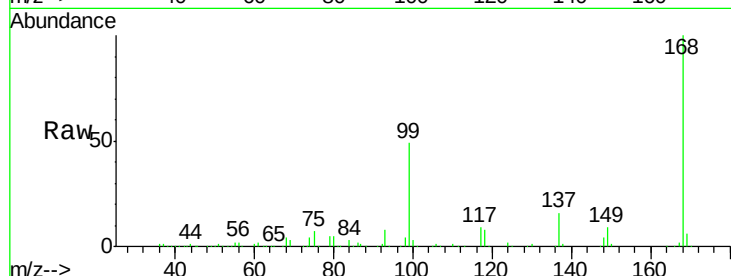
99 48.5 39.3 58.9

Manual Integrations

APPROVED

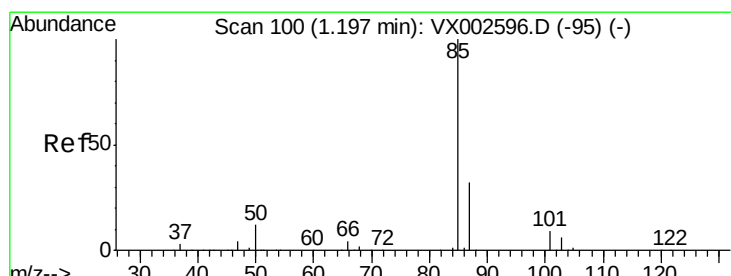
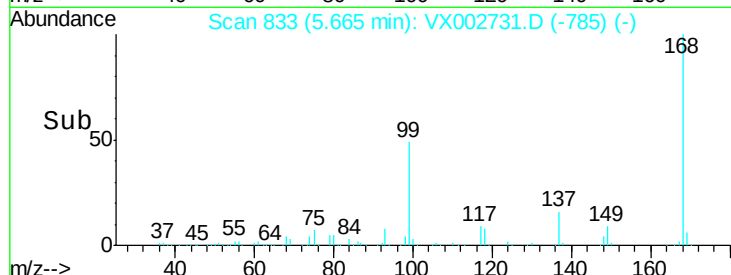
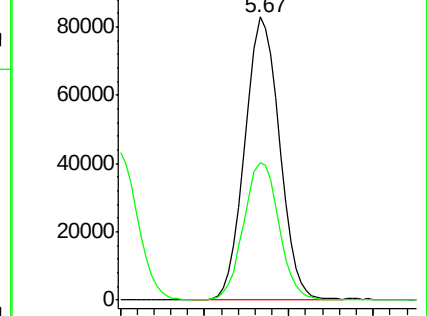
MMDadoda

6/20/2018 6:26:57 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 47.32 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002731.D

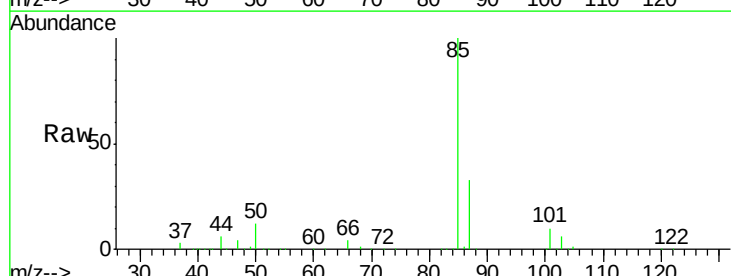
Acq: 19 Jun 2018 23:24

Tgt Ion: 85 Resp: 116689

Ion Ratio Lower Upper

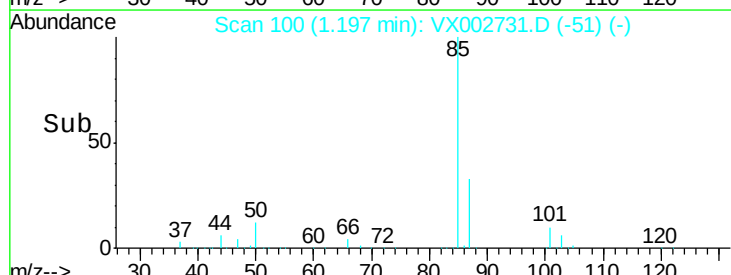
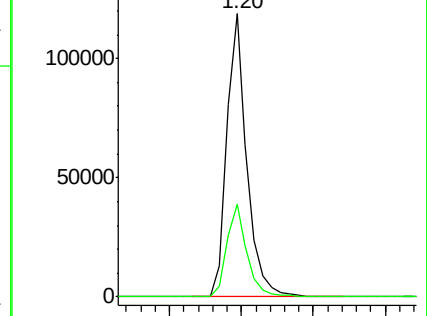
85 100

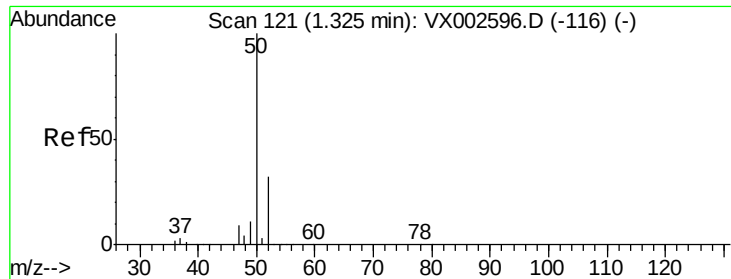
87 32.9 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 42.13 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002731.D

Acq: 19 Jun 2018 23:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 123590

Ion Ratio Lower Upper

50 100

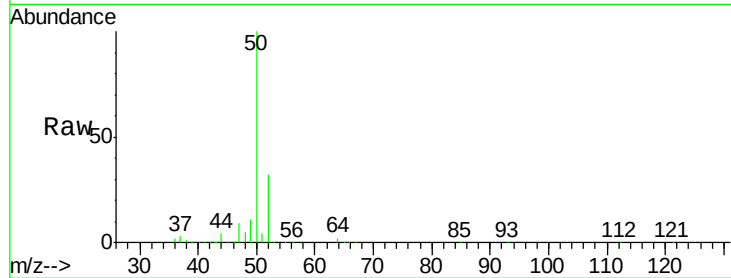
52 32.3 25.7 38.5

Manual Integrations

APPROVED

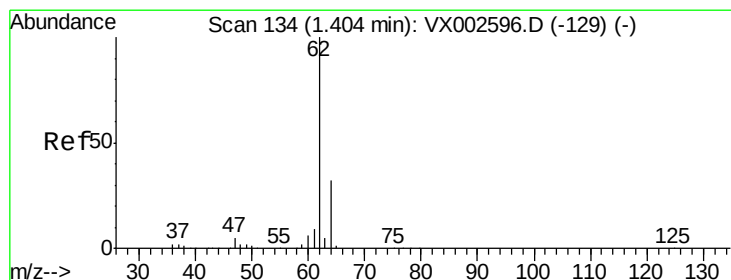
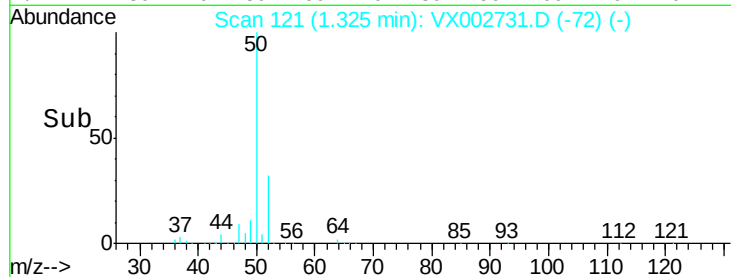
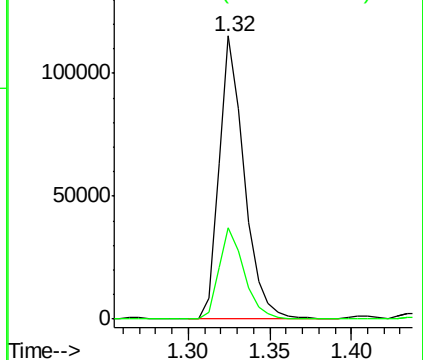
MMDadoda

6/20/2018 6:26:57 PM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 44.81 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX002731.D

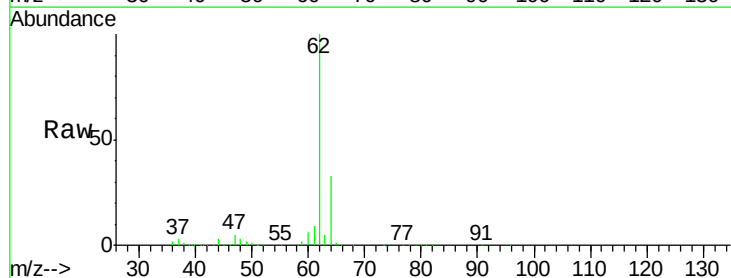
Acq: 19 Jun 2018 23:24

Tgt Ion: 62 Resp: 136407

Ion Ratio Lower Upper

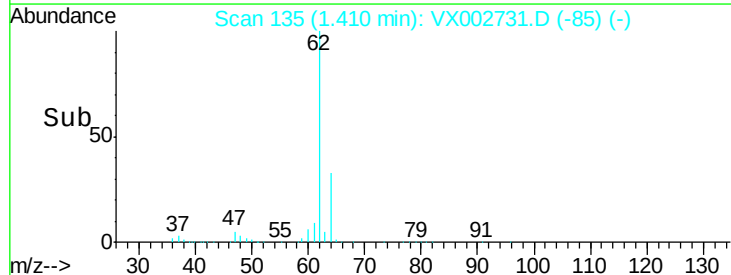
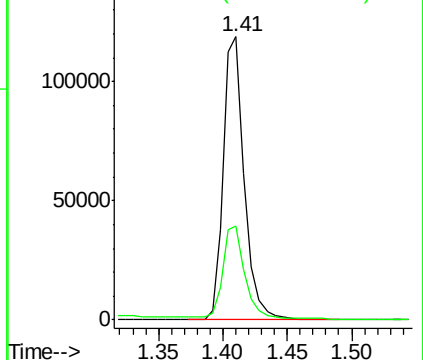
62 100

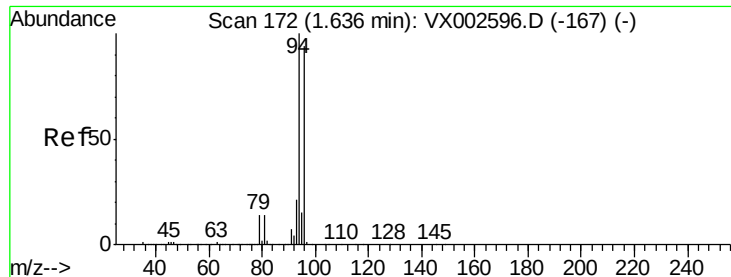
64 32.9 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 34.96 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002731.D

Acq: 19 Jun 2018 23:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 64209

Ion Ratio Lower Upper

94 100

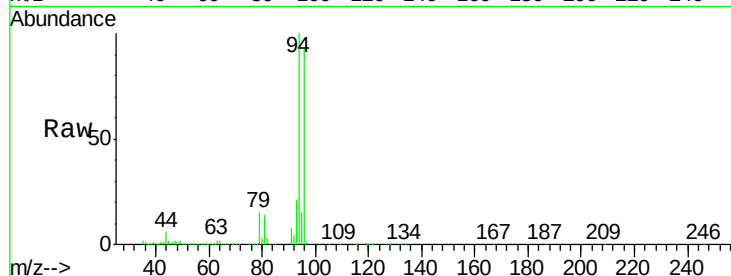
96 93.2 74.9 112.3

Manual Integrations

APPROVED

MMDadoda

6/20/2018 6:26:57 PM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

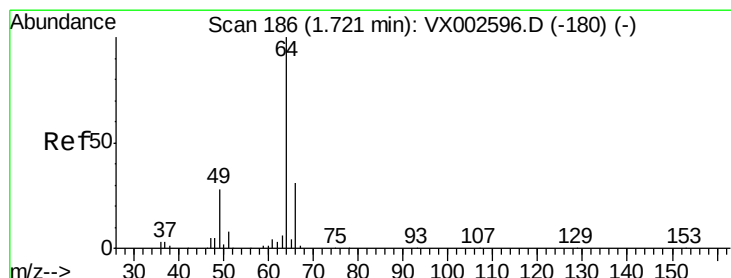
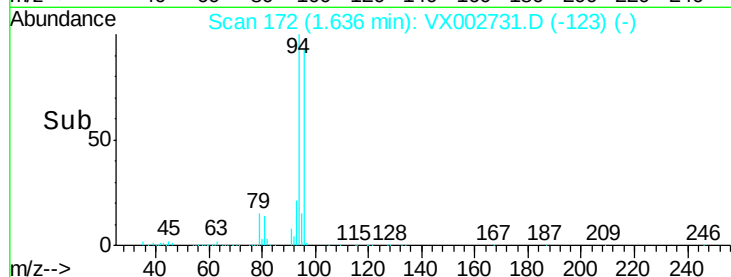
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 46.53 ug/l

RT: 1.71 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX002731.D

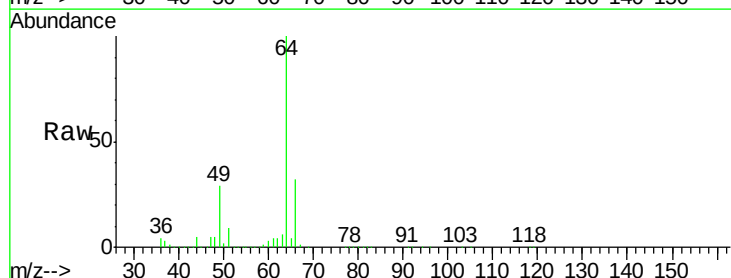
Acq: 19 Jun 2018 23:24

Tgt Ion: 64 Resp: 93362

Ion Ratio Lower Upper

64 100

66 32.6 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

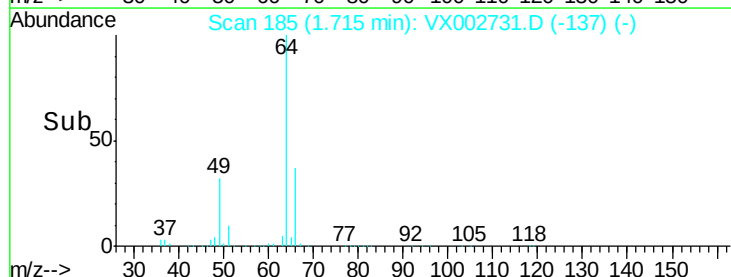
60000

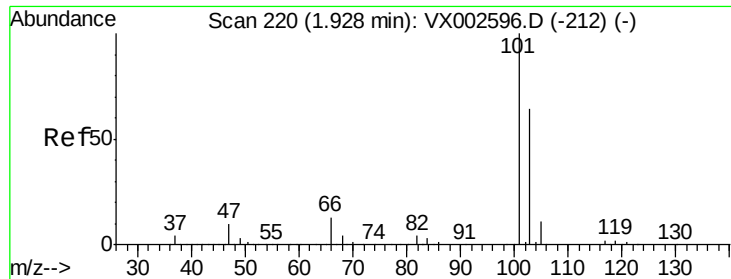
40000

20000

0

Time-->





#7

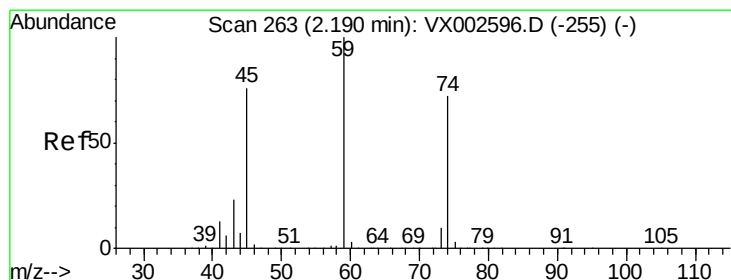
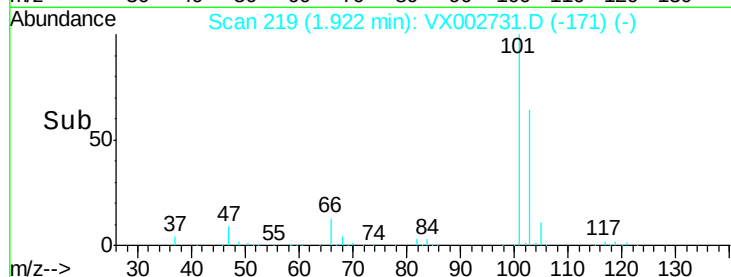
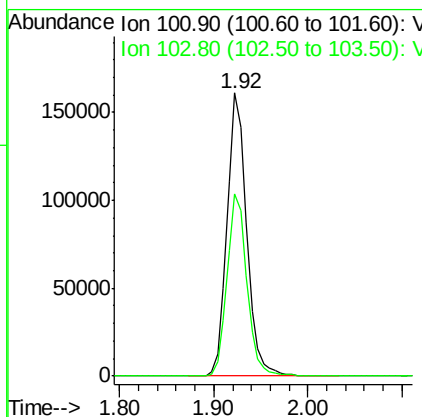
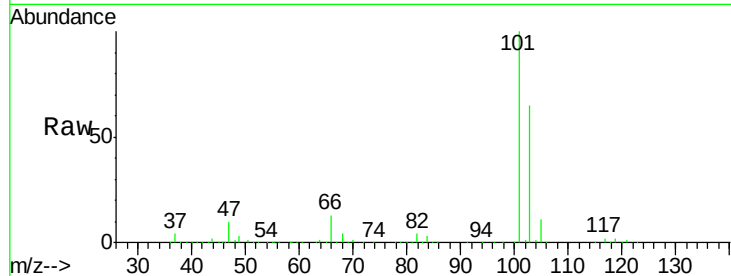
Trichlorofluoromethane
 Concen: 47.25 ug/l
 RT: 1.92 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VX002731.D
 Acq: 19 Jun 2018 23:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	52.8	79.2

Manual Integrations
 APPROVED

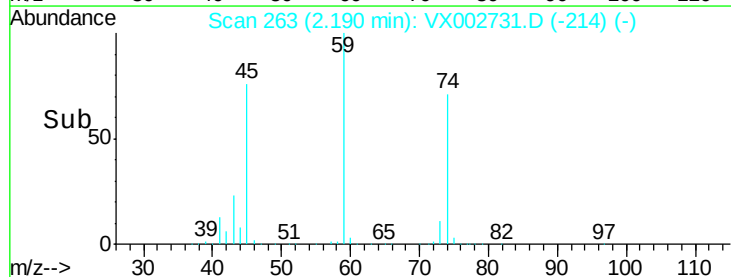
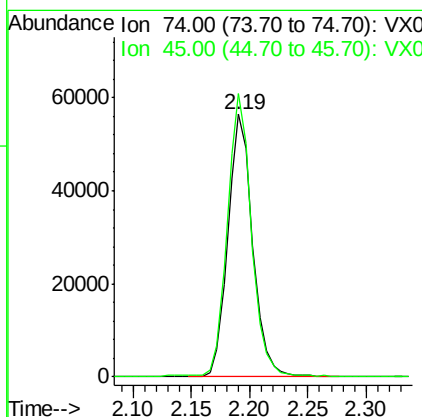
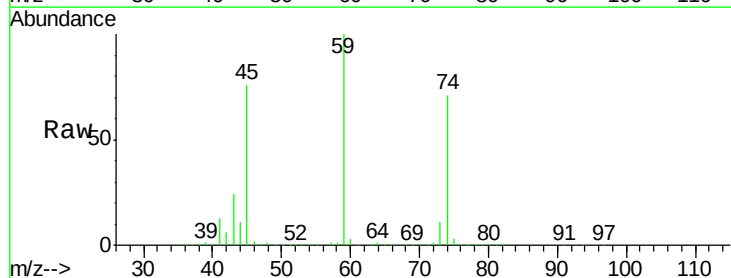
MMDadoda
 6/20/2018 6:26:57 PM

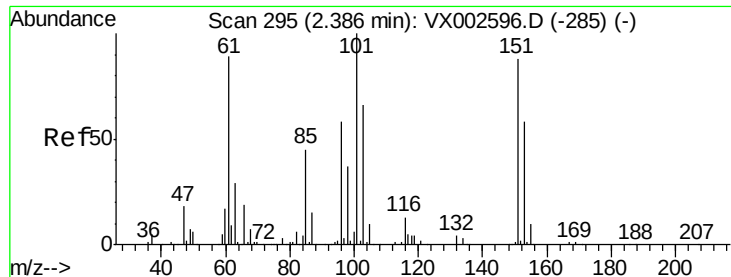


#8

Diethyl Ether
 Concen: 44.24 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX002731.D
 Acq: 19 Jun 2018 23:24

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.4	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.10 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX002731.D

Acq: 19 Jun 2018 23:24

Instrument :

MSVOA_X

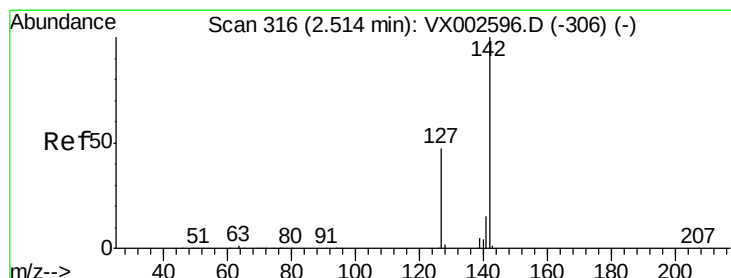
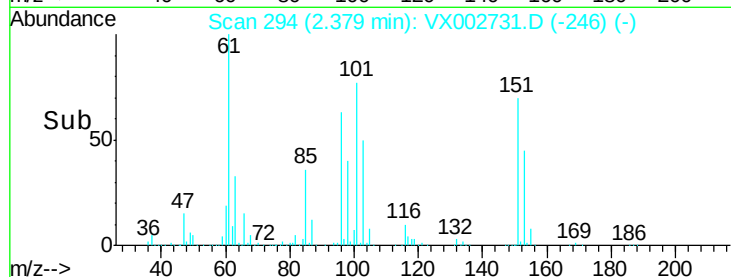
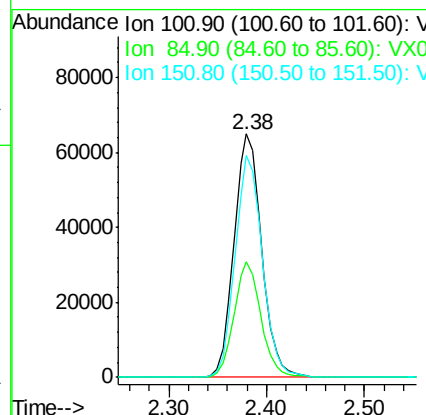
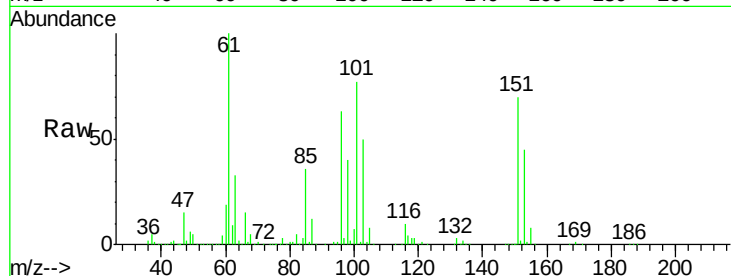
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	127446
Ion Ratio	Lower	Upper	
101	100		
85	46.2	36.0	54.0
151	90.1	70.9	106.3

Manual Integrations
APPROVED

MMDadoda
6/20/2018 6:26:57 PM



#10

Methyl Iodide

Concen: 37.48 ug/l

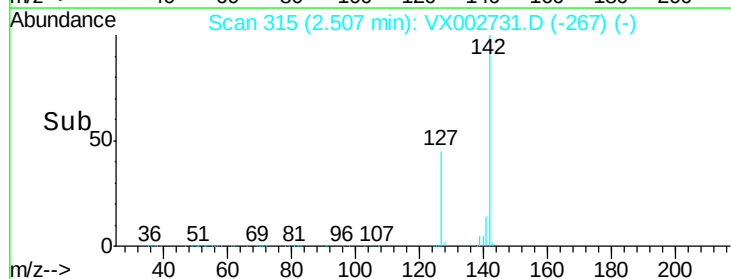
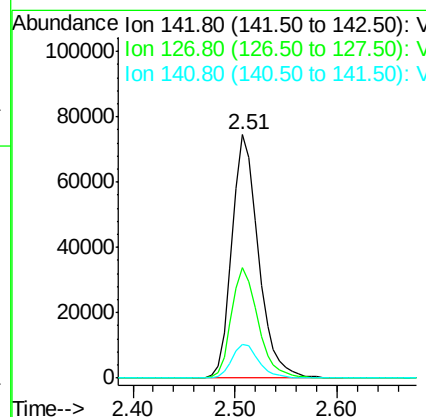
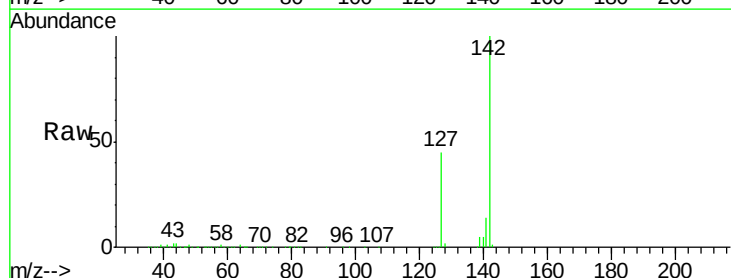
RT: 2.51 min Scan# 315

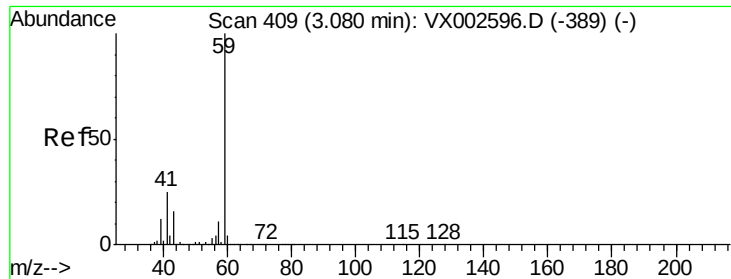
Delta R.T. -0.01 min

Lab File: VX002731.D

Acq: 19 Jun 2018 23:24

Tgt Ion:	142	Resp:	134420
Ion Ratio	Lower	Upper	
142	100		
127	45.6	36.6	55.0
141	14.2	11.3	16.9





#11

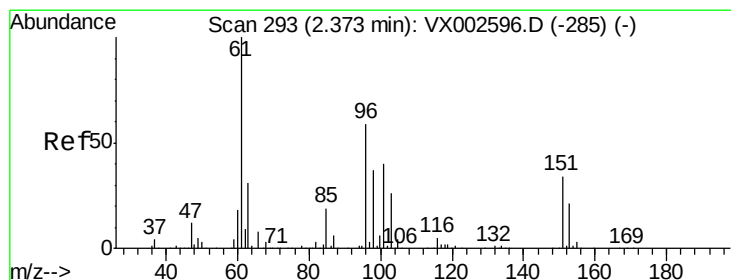
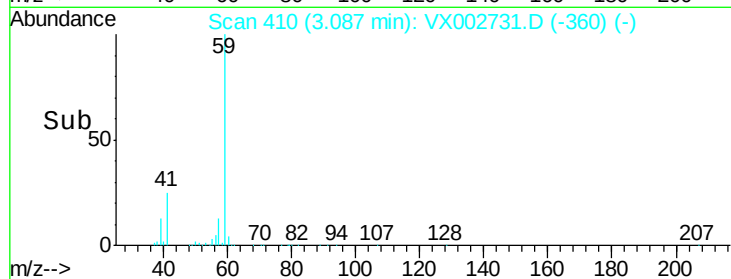
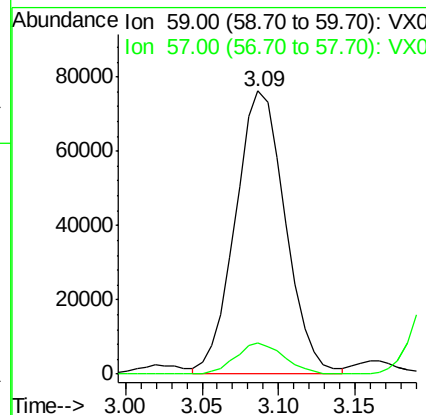
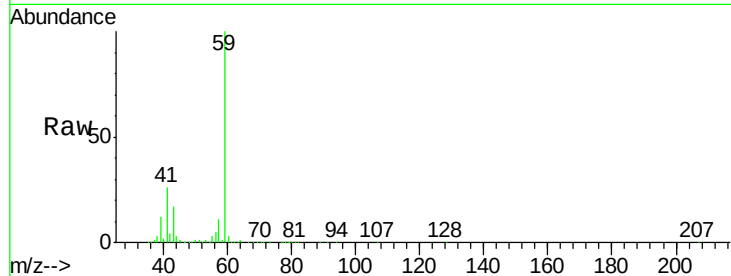
Tert butyl alcohol
Concen: 238.00 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.01 min
Lab File: VX002731.D
Acq: 19 Jun 2018 23:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	173691
Ion Ratio	100	Lower	Upper
57	11.0	8.2	12.2

Manual Integrations
APPROVED

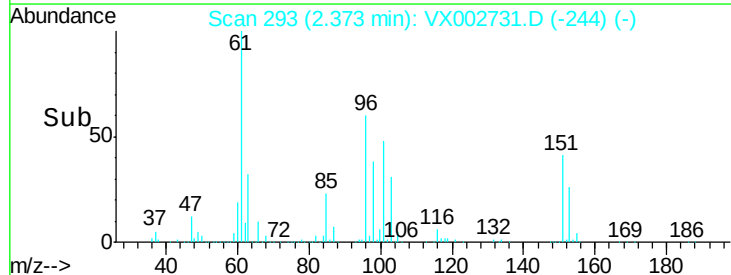
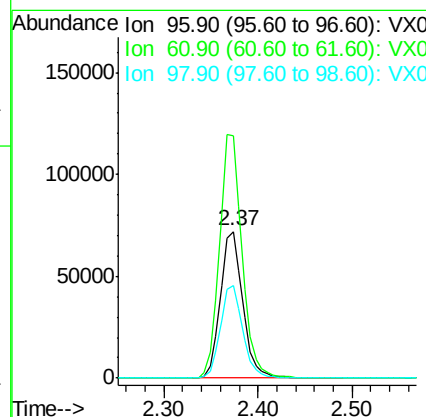
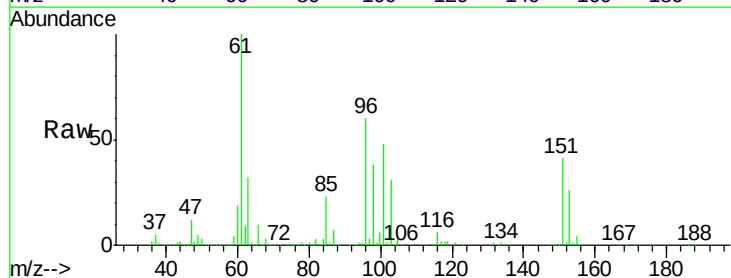
MMDadoda
6/20/2018 6:26:57 PM

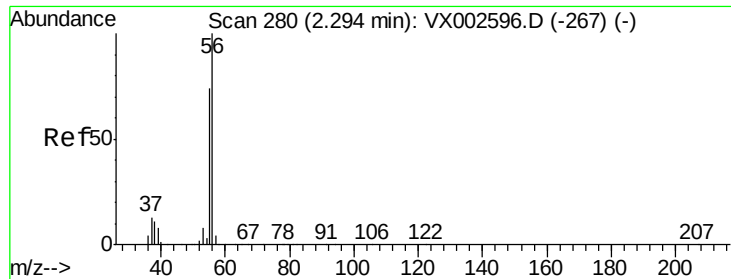


#12

1,1-Dichloroethene
Concen: 45.64 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX002731.D
Acq: 19 Jun 2018 23:24

Tgt Ion	96	Resp	118465
Ion Ratio	100	Lower	Upper
61	165.5	137.9	206.9
98	63.4	51.6	77.4





#13

Acrolein

Concen: 313.35 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX002731.D

Acq: 19 Jun 2018 23:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 107819

Ion Ratio Lower Upper

56 100

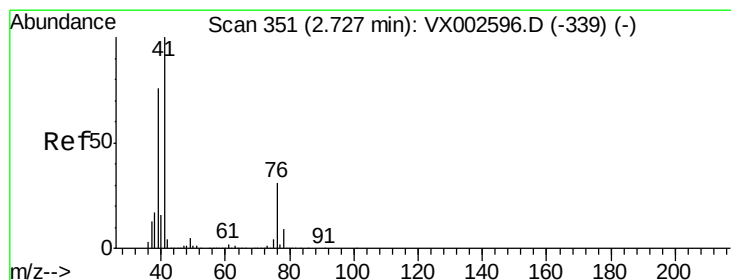
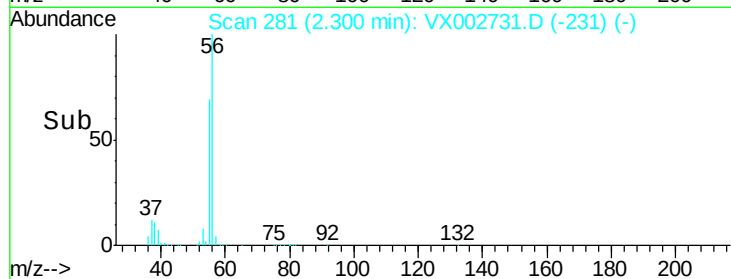
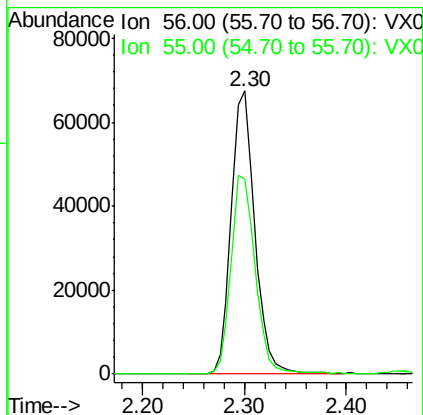
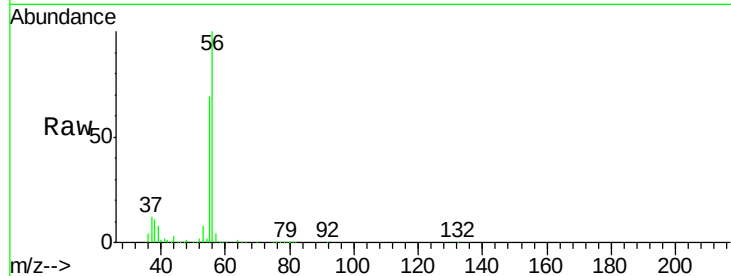
55 71.4 57.0 85.4

Manual Integrations

APPROVED

MMDadoda

6/20/2018 6:26:57 PM



#14

Allyl chloride

Concen: 44.34 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX002731.D

Acq: 19 Jun 2018 23:24

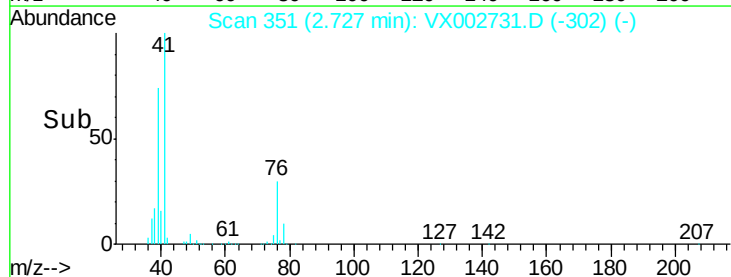
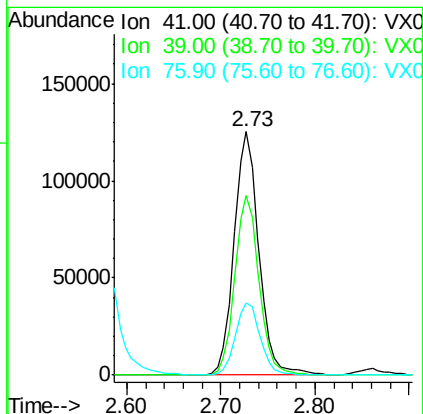
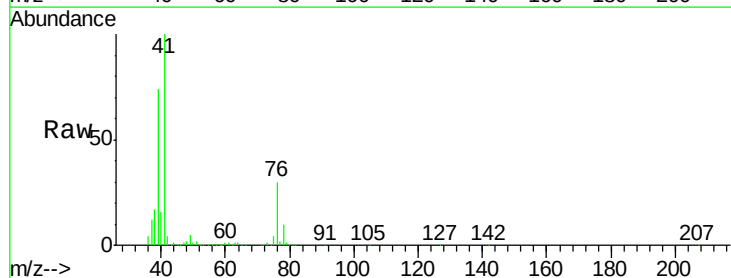
Tgt Ion: 41 Resp: 228536

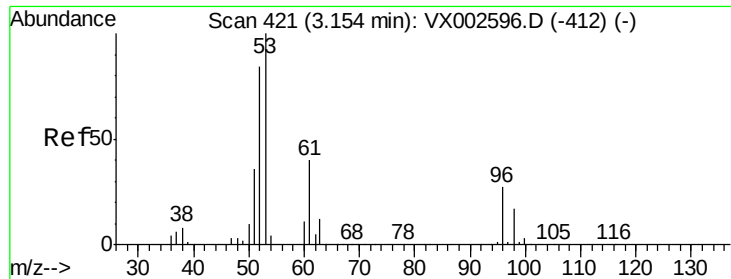
Ion Ratio Lower Upper

41 100

39 72.1 56.8 85.2

76 29.9 23.8 35.8





#15

Acrylonitrile

Concen: 231.35 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX002731.D

Acq: 19 Jun 2018 23:24

Instrument :

MSVOA_X

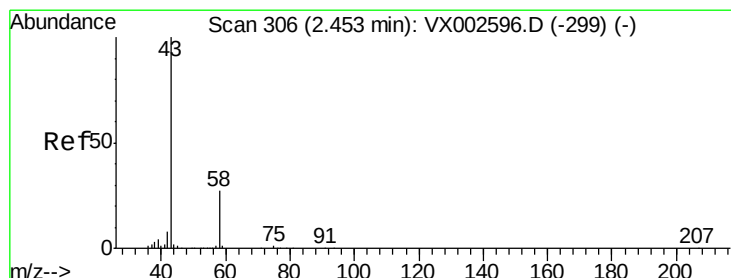
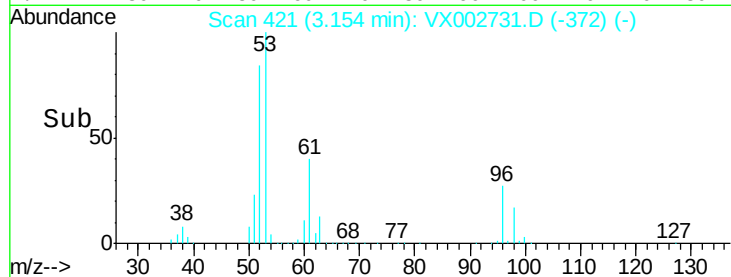
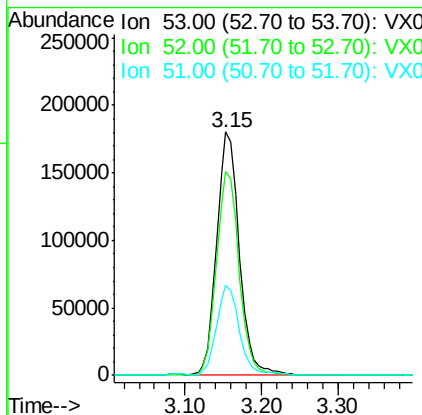
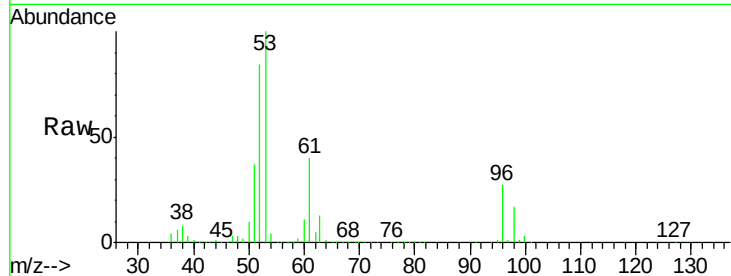
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	368427
Ion Ratio	Lower	Upper	
53	100		
52	83.6	66.7	100.1
51	37.6	29.9	44.9

Manual Integrations
APPROVED

MMDadoda
6/20/2018 6:26:57 PM



#16

Acetone

Concen: 224.15 ug/l

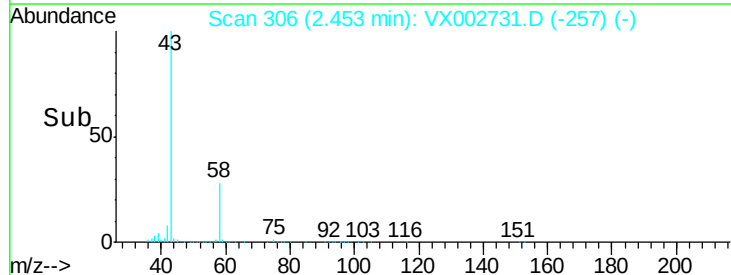
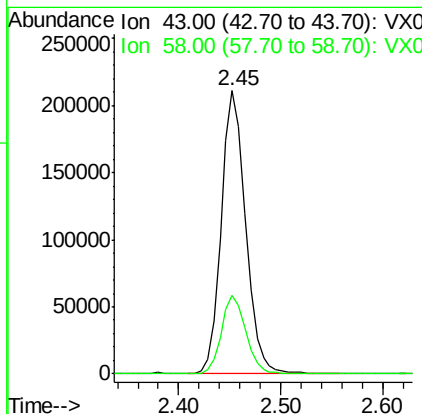
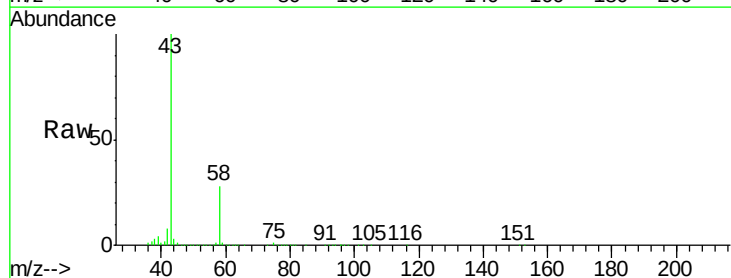
RT: 2.45 min Scan# 306

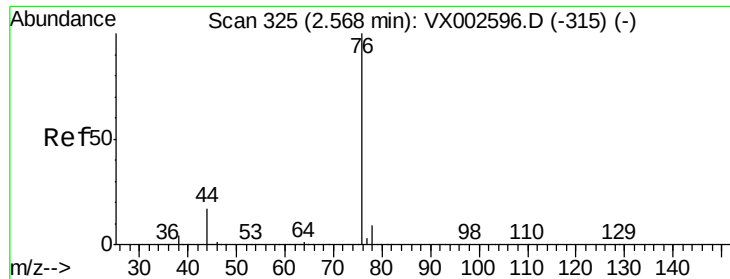
Delta R.T. 0.00 min

Lab File: VX002731.D

Acq: 19 Jun 2018 23:24

Tgt Ion:	43	Resp:	349109
Ion Ratio	Lower	Upper	
43	100		
58	28.0	22.1	33.1





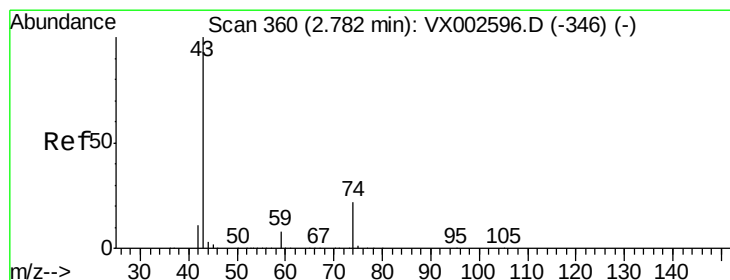
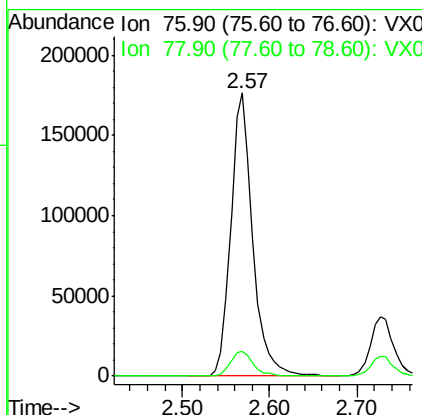
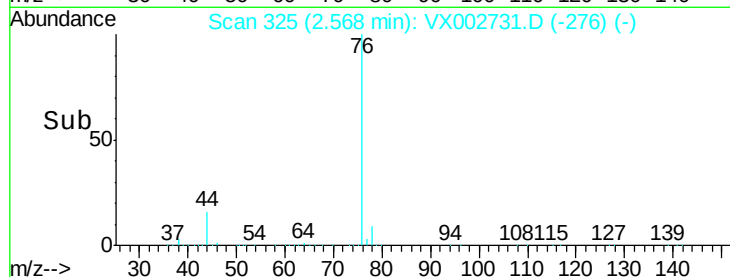
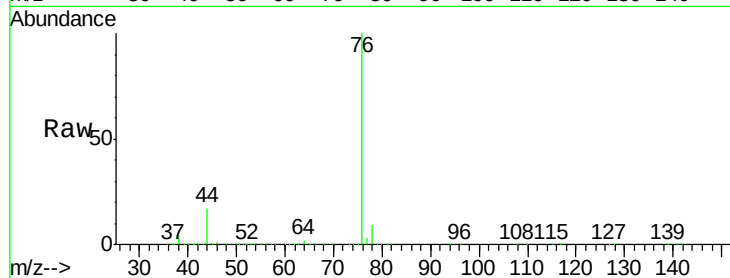
#17
Carbon Disulfide
Concen: 49.94 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX002731.D
Acq: 19 Jun 2018 23:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	6.9	10.3

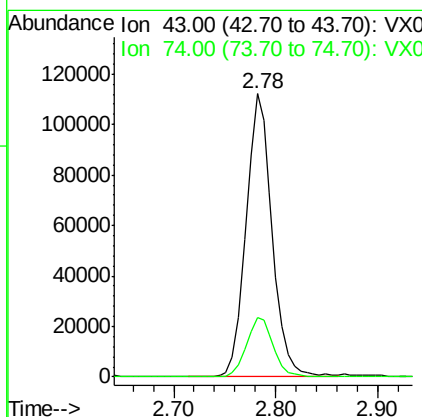
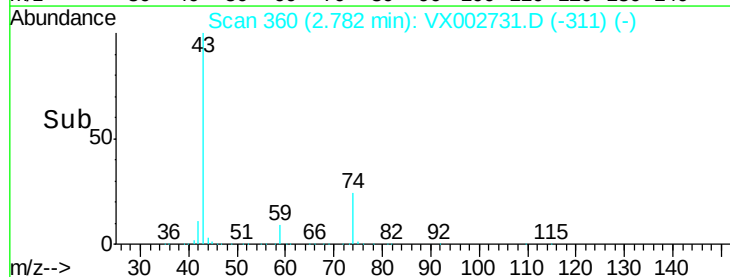
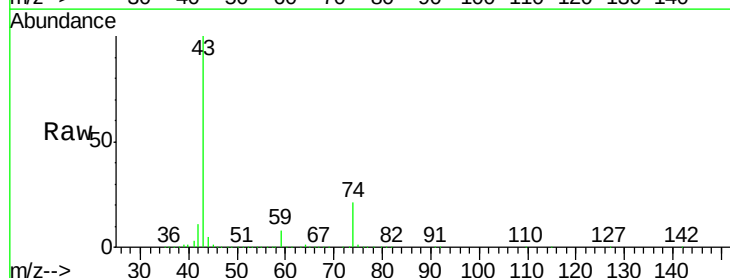
Manual Integrations
APPROVED

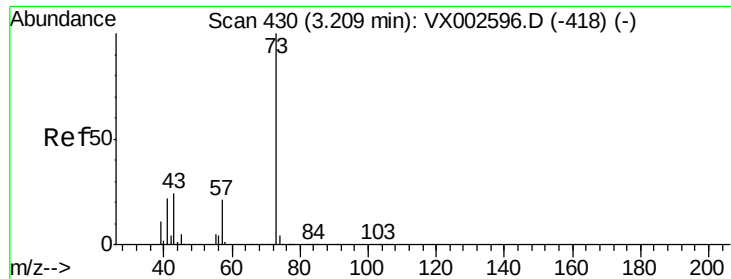
MMDadoda
6/20/2018 6:26:57 PM



#18
Methyl Acetate
Concen: 47.56 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX002731.D
Acq: 19 Jun 2018 23:24

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.6	16.7	25.1





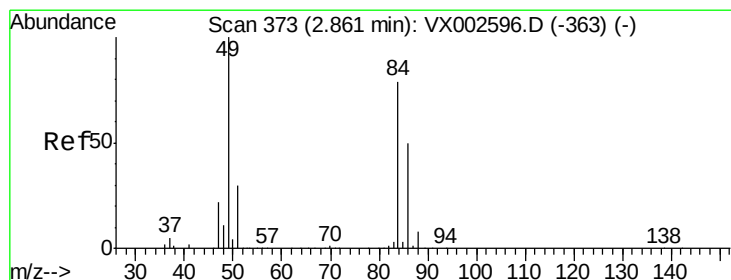
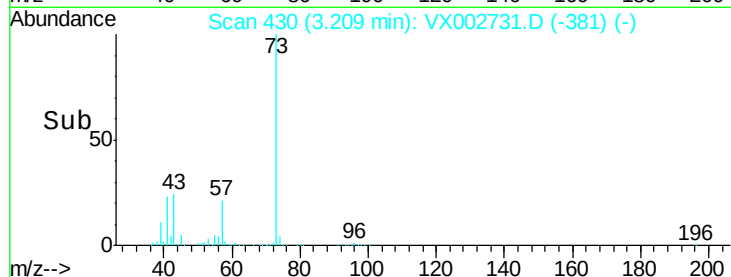
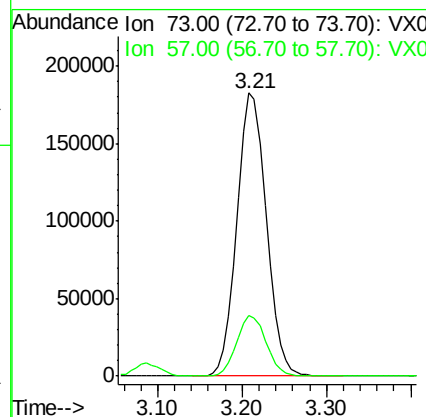
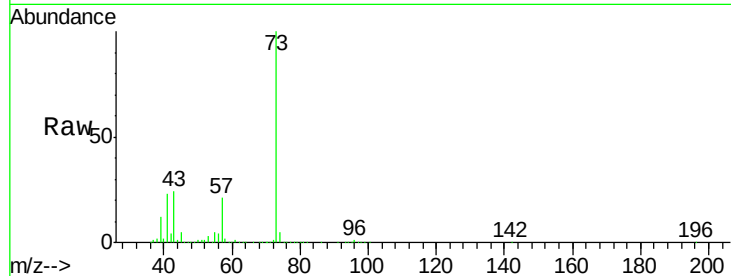
#19
Methyl tert-butyl Ether
Concen: 44.28 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.00 min
Lab File: VX002731.D
Acq: 19 Jun 2018 23:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 431205
Ion Ratio Lower Upper
73 100
57 21.4 17.7 26.5

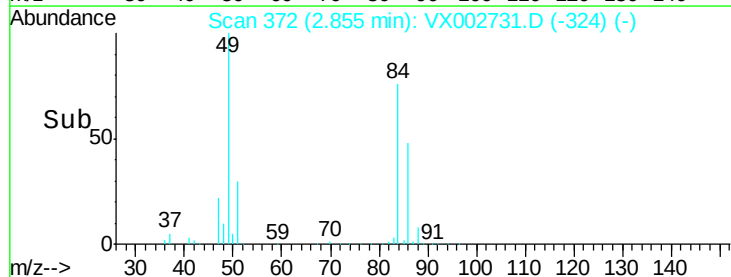
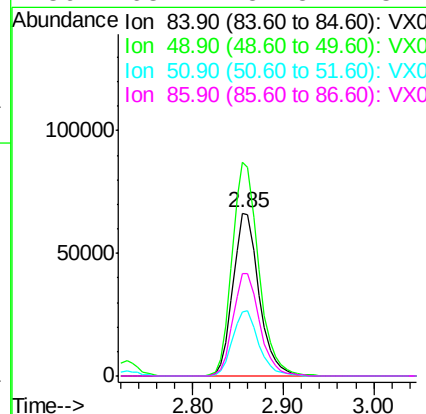
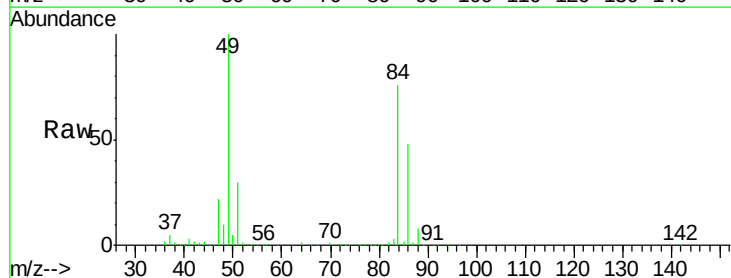
Manual Integrations
APPROVED

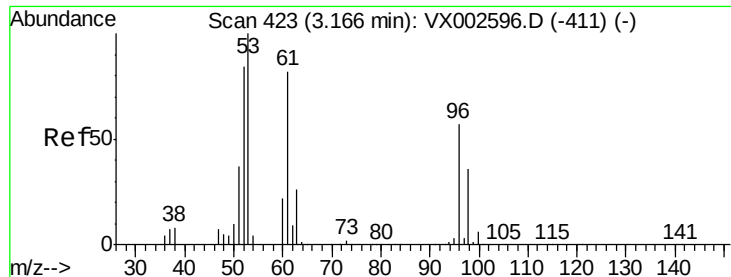
MMDadoda
6/20/2018 6:26:57 PM



#20
Methylene Chloride
Concen: 41.70 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX002731.D
Acq: 19 Jun 2018 23:24

Tgt Ion: 84 Resp: 133183
Ion Ratio Lower Upper
84 100
49 130.9 107.8 161.6
51 39.2 32.8 49.2
86 63.1 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 45.22 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX002731.D

Acq: 19 Jun 2018 23:24

Instrument :

MSVOA_X

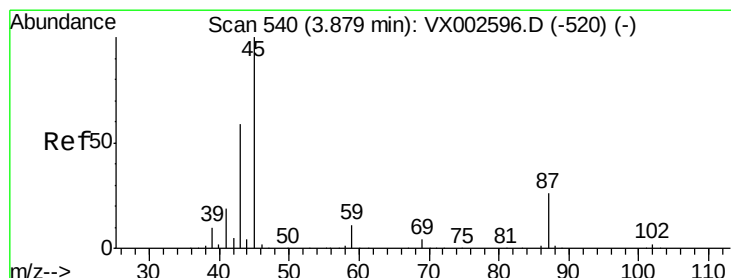
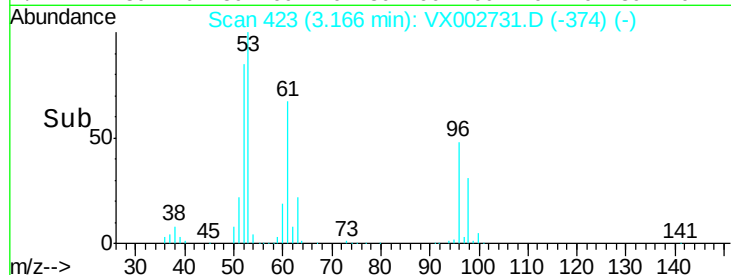
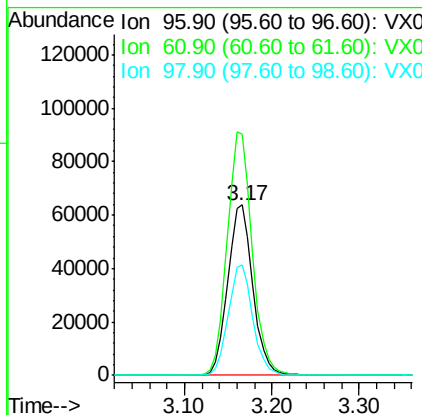
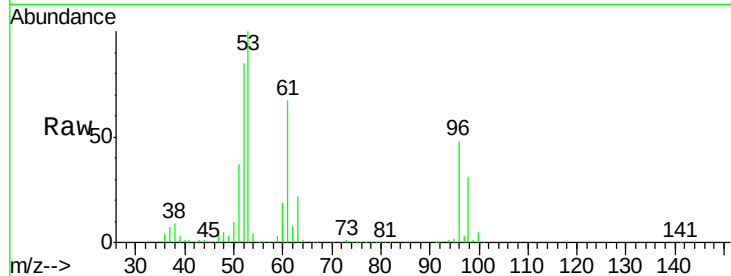
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	127327
Ion	Ratio	Lower	Upper
96	100		
61	141.1	117.0	175.4
98	65.1	52.4	78.6

Manual Integrations
APPROVED

MMDadoda
6/20/2018 6:26:57 PM



#22

Diisopropyl ether

Concen: 45.50 ug/l

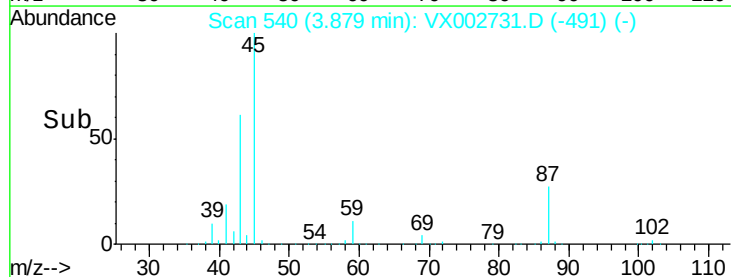
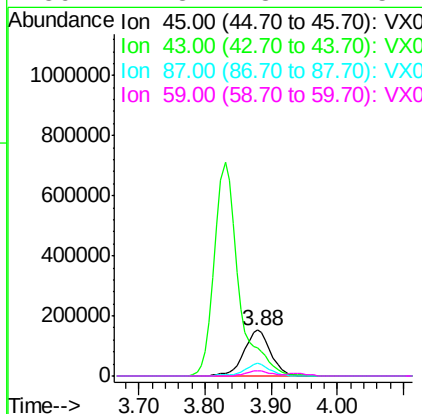
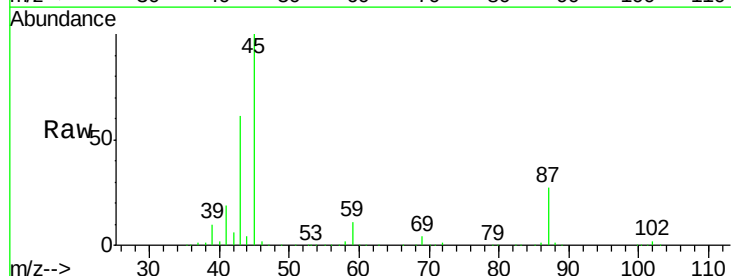
RT: 3.88 min Scan# 540

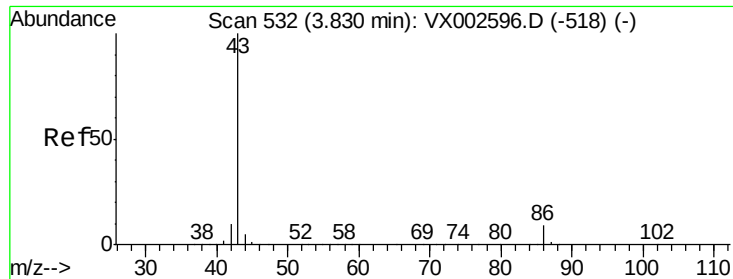
Delta R.T. 0.00 min

Lab File: VX002731.D

Acq: 19 Jun 2018 23:24

Tgt Ion:	45	Resp:	424286
Ion	Ratio	Lower	Upper
45	100		
43	61.0	46.8	70.2
87	26.8	20.2	30.4
59	11.3	8.7	13.1





#23

Vinyl Acetate

Concen: 233.02 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX002731.D

Acq: 19 Jun 2018 23:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1818600

Ion Ratio Lower Upper

43 100

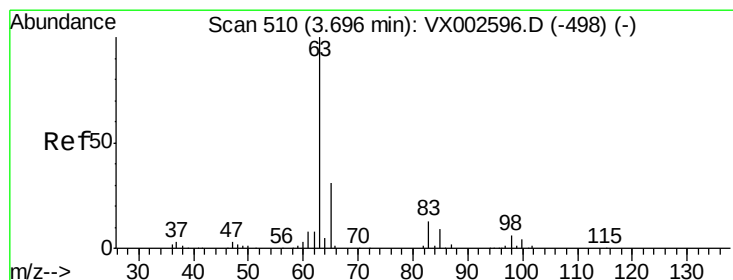
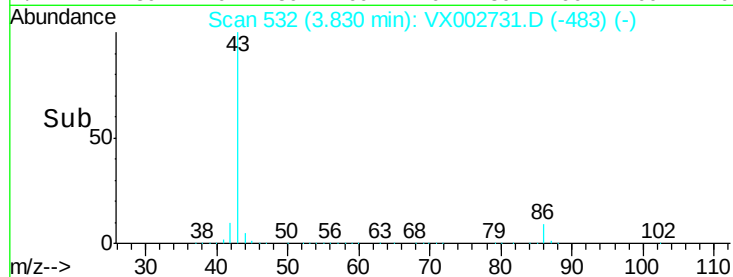
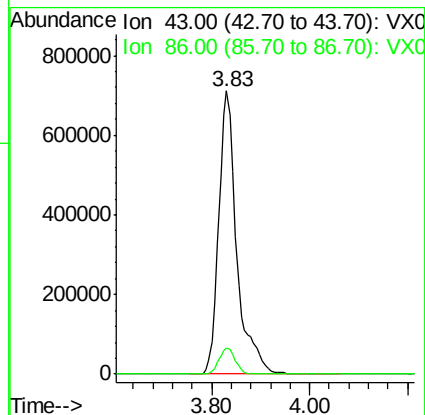
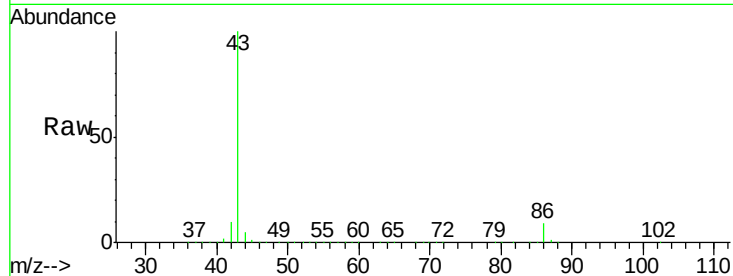
86 9.4 7.4 11.0

Manual Integrations

APPROVED

MMDadoda

6/20/2018 6:26:57 PM



#24

1,1-Dichloroethane

Concen: 48.76 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX002731.D

Acq: 19 Jun 2018 23:24

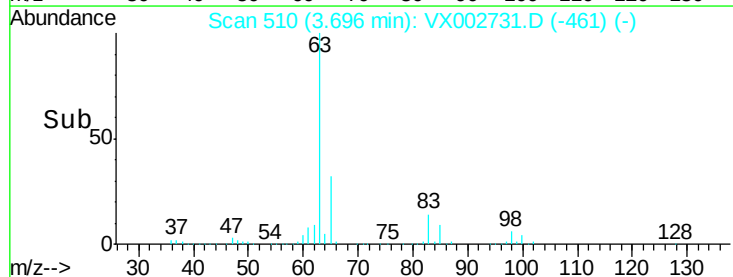
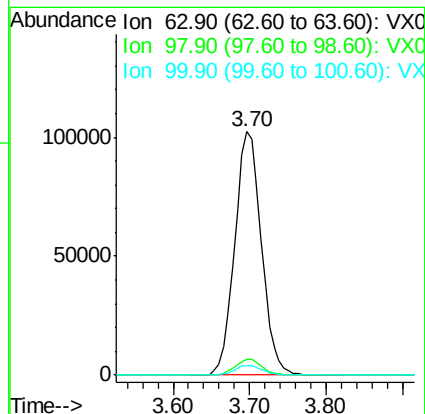
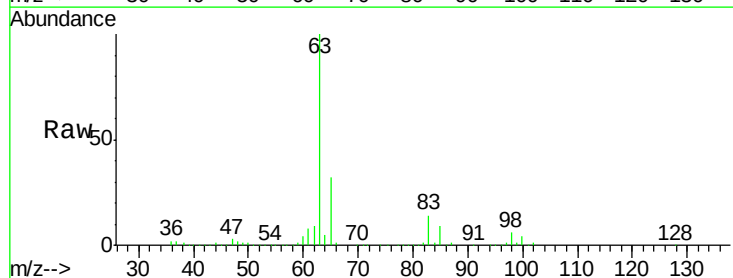
Tgt Ion: 63 Resp: 246794

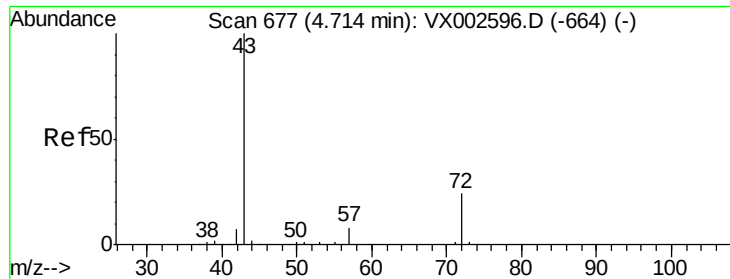
Ion Ratio Lower Upper

63 100

98 6.3 3.4 10.2

100 4.1 2.0 6.0





#25

2-Butanone

Concen: 244.68 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.00 min

Lab File: VX002731.D

Acq: 19 Jun 2018 23:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 500469

Ion Ratio Lower Upper

43 100

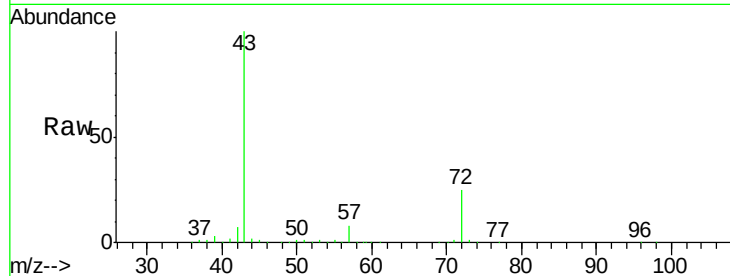
72 24.5 18.5 27.7

Manual Integrations

APPROVED

MMDadoda

6/20/2018 6:26:57 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

200000

150000

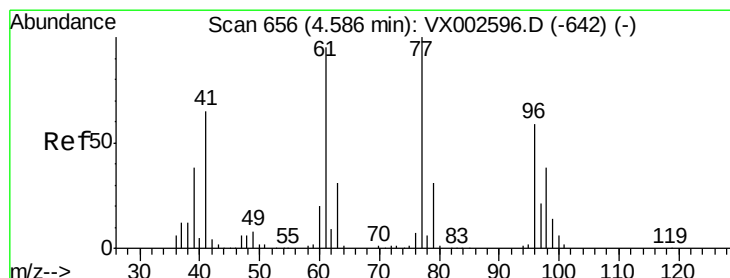
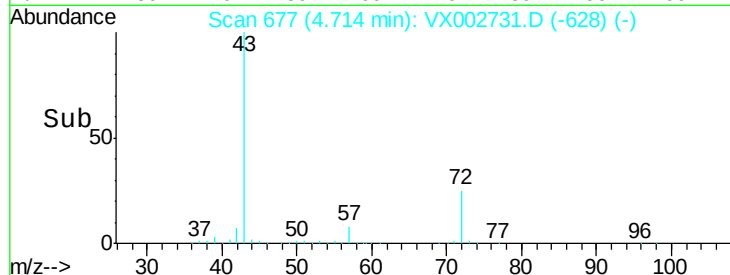
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 35.07 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX002731.D

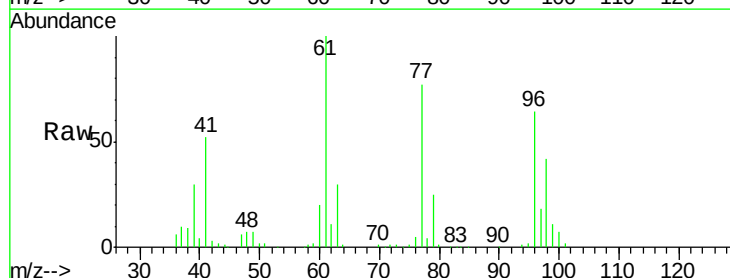
Acq: 19 Jun 2018 23:24

Tgt Ion: 77 Resp: 127538

Ion Ratio Lower Upper

77 100

97 24.2 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

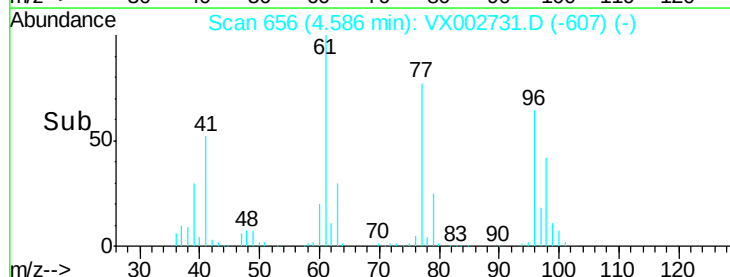
20000

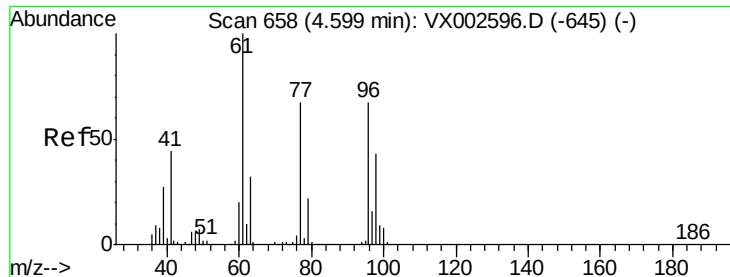
10000

0

4.40 4.50 4.60 4.70

Time-->





#27

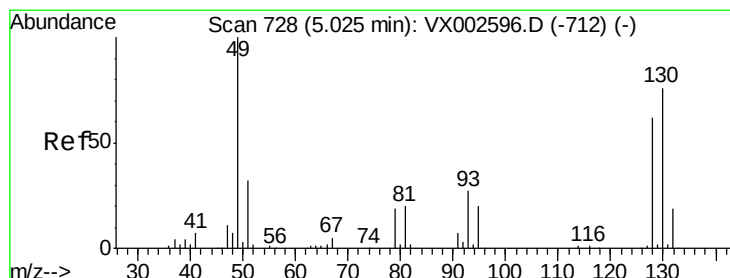
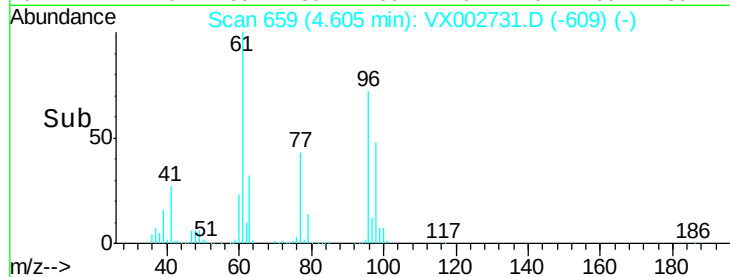
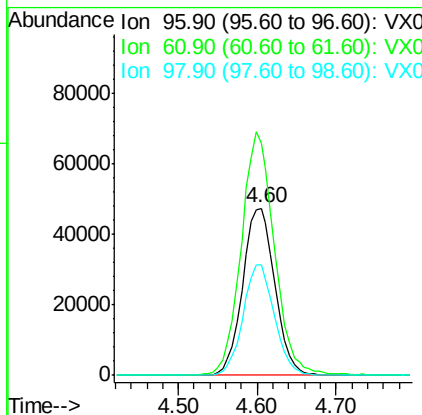
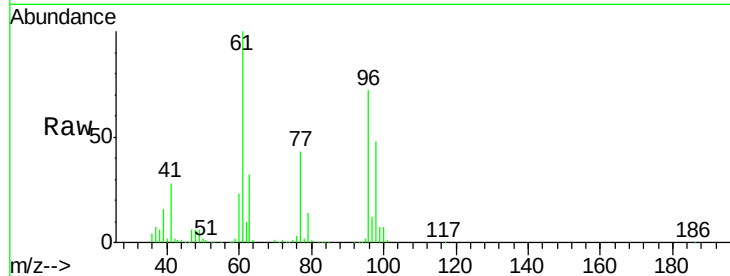
cis-1,2-Dichloroethene
Concen: 47.07 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.01 min
Lab File: VX002731.D
Acq: 19 Jun 2018 23:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	149.9	0.0	330.2	
98	64.7	0.0	130.2	

Manual Integrations
APPROVED

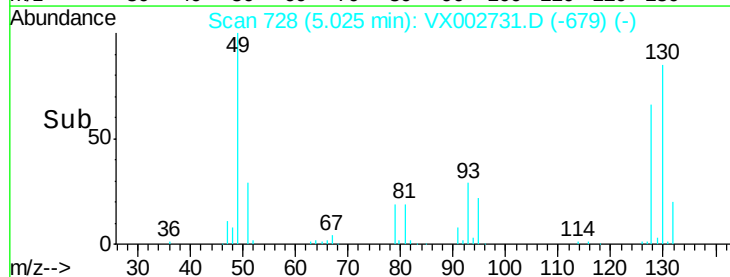
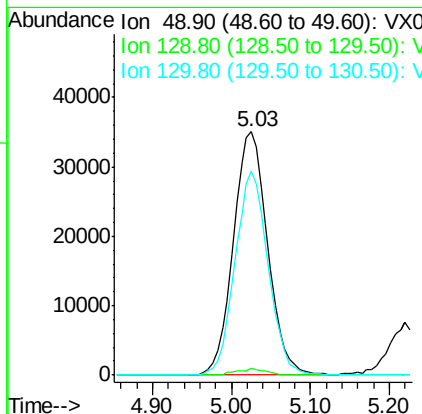
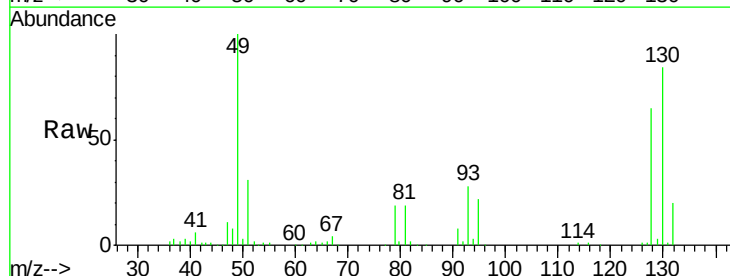
MMDadoda
6/20/2018 6:26:57 PM

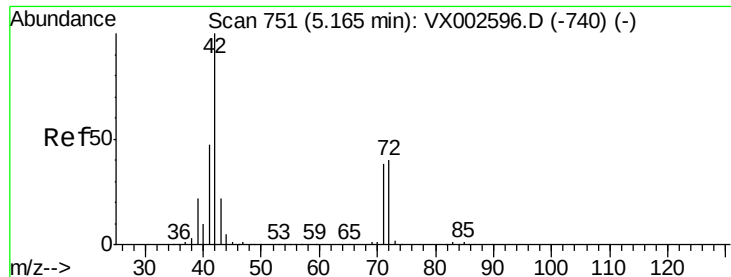


#28

Bromochloromethane
Concen: 44.77 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX002731.D
Acq: 19 Jun 2018 23:24

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.3	0.0	4.2	
130	80.8	61.2	91.8	





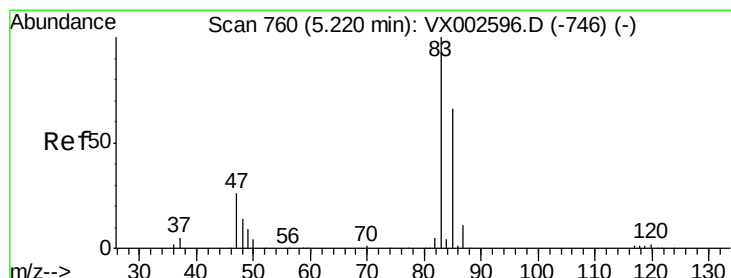
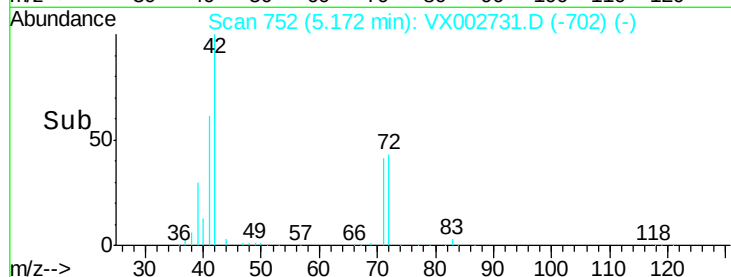
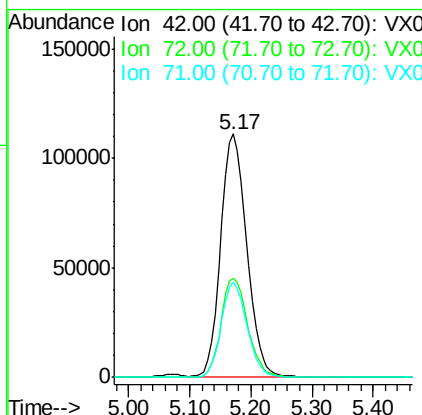
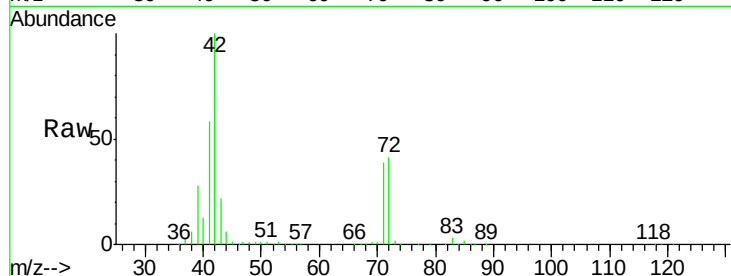
#29
Tetrahydrofuran
Concen: 244.33 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.01 min
Lab File: VX002731.D
Acq: 19 Jun 2018 23:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.9	32.0	48.0
71	38.7	30.1	45.1

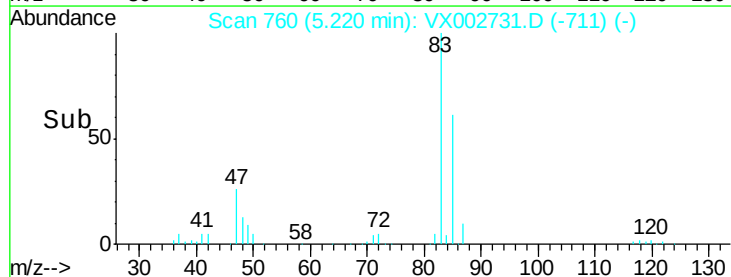
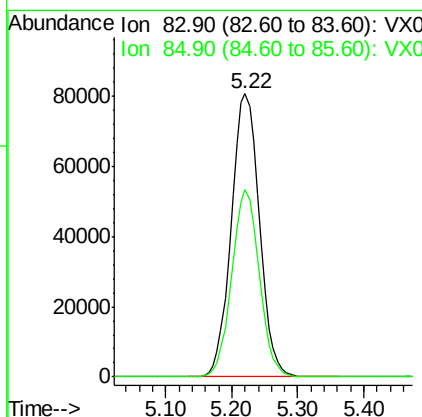
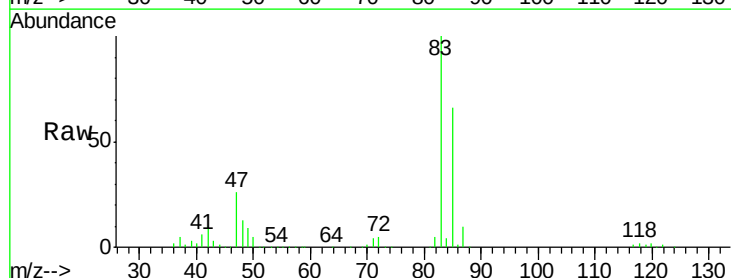
Manual Integrations
APPROVED

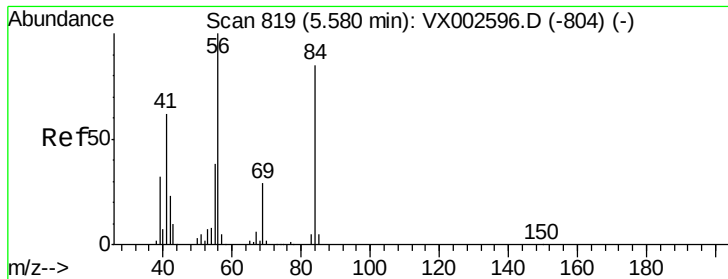
MMDadoda
6/20/2018 6:26:57 PM



#30
Chloroform
Concen: 48.88 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX002731.D
Acq: 19 Jun 2018 23:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	50.4	75.6





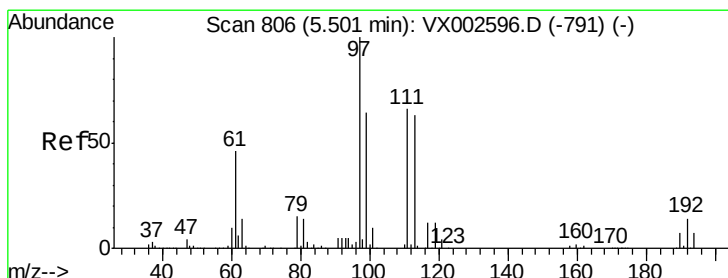
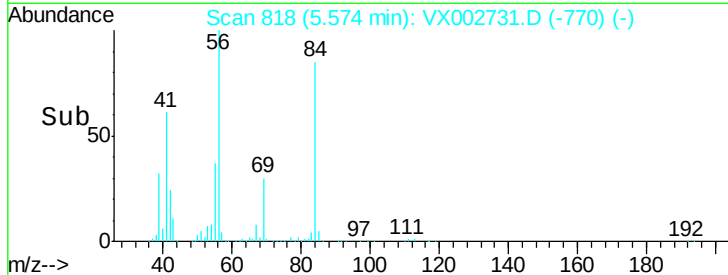
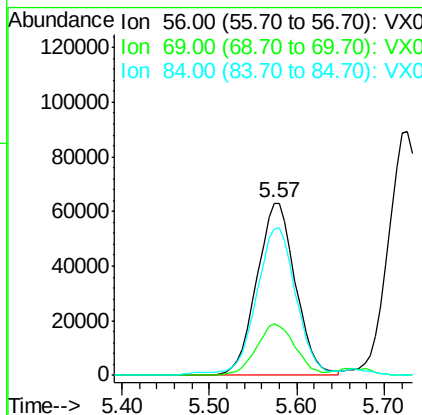
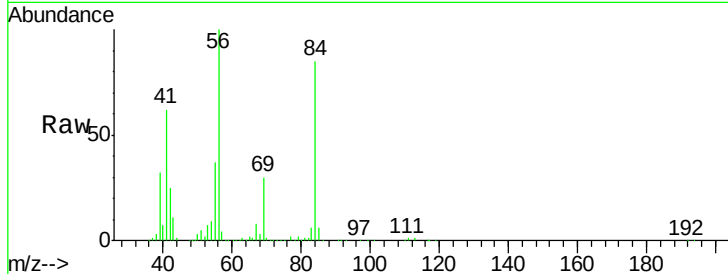
#31
Cyclohexane
Concen: 46.61 ug/l
RT: 5.57 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX002731.D
Acq: 19 Jun 2018 23:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.3	23.7	35.5
84	84.1	64.1	96.1

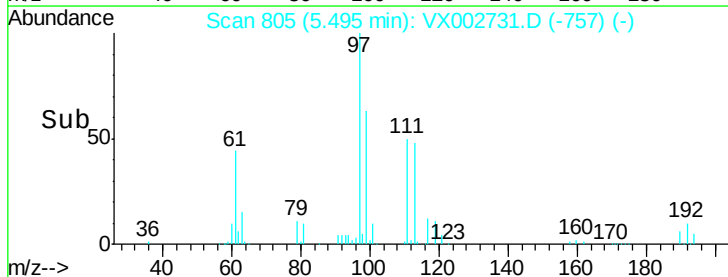
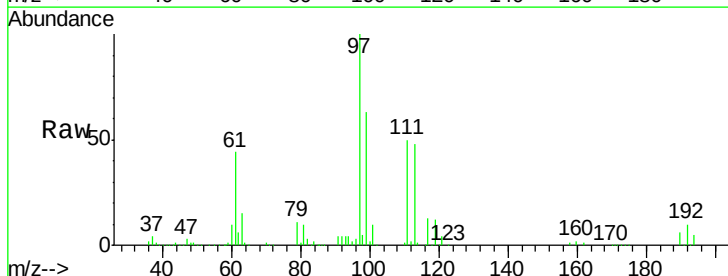
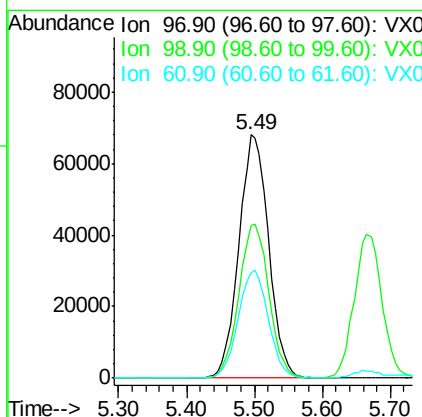
Manual Integrations
APPROVED

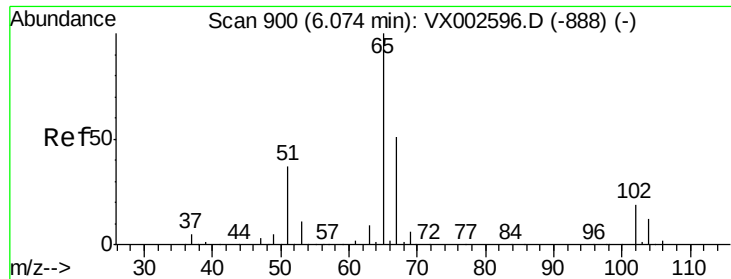
MMDadoda
6/20/2018 6:26:57 PM



#32
1,1,1-Trichloroethane
Concen: 50.69 ug/l
RT: 5.49 min Scan# 805
Delta R.T. -0.01 min
Lab File: VX002731.D
Acq: 19 Jun 2018 23:24

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.6	77.4
61	45.0	36.4	54.6





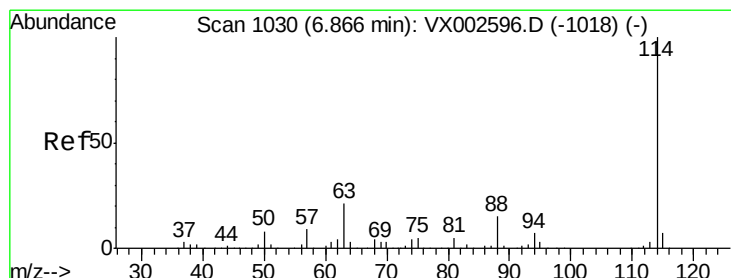
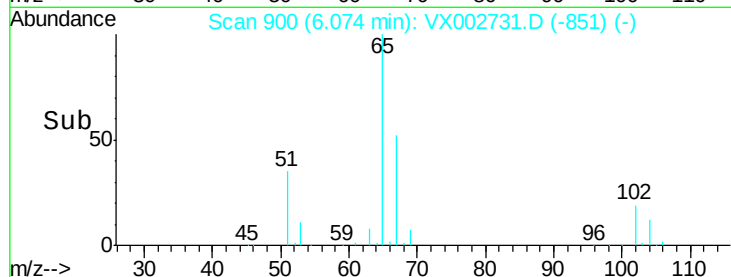
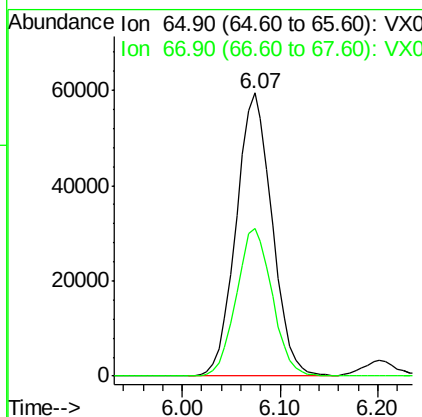
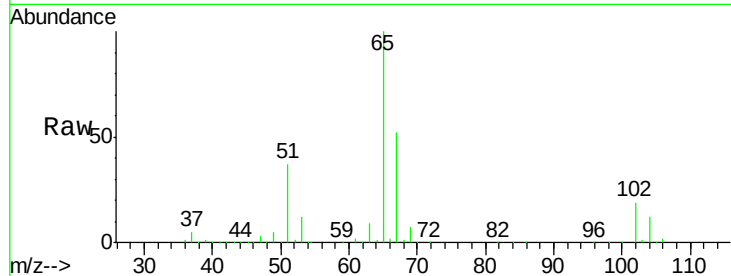
#33
 1,2-Dichloroethane-d4
 Concen: 43.02 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX002731.D
 Acq: 19 Jun 2018 23:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	151853		
67	52.0	0.0	102.6	

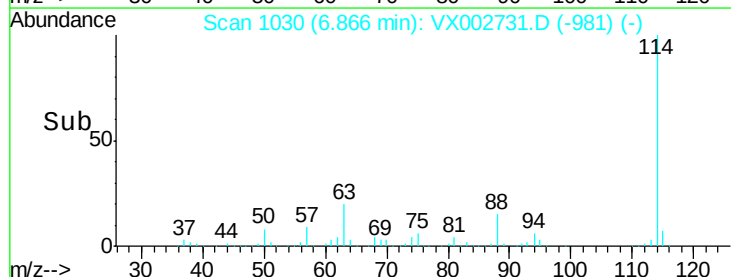
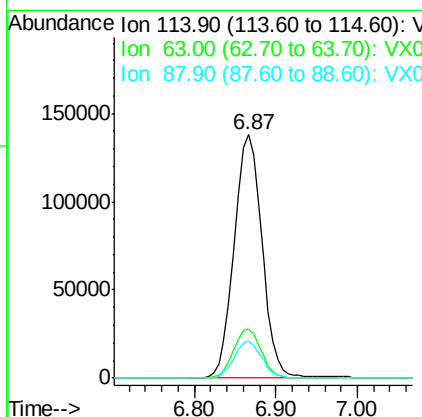
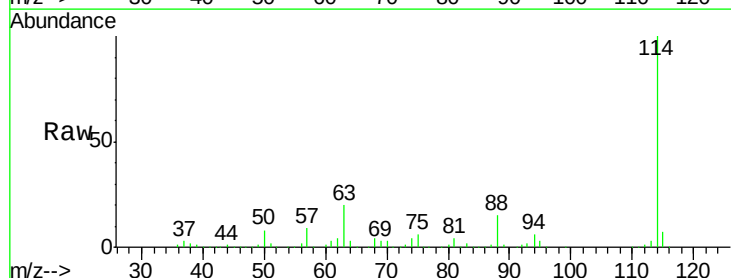
Manual Integrations
 APPROVED

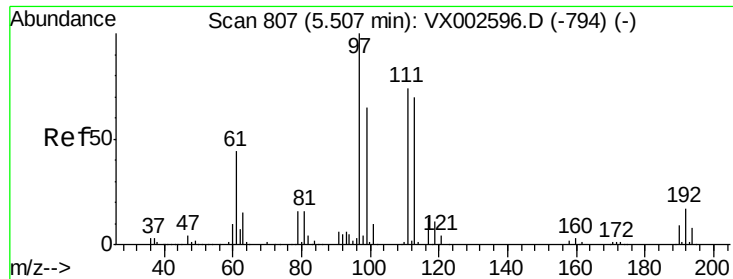
MMDadoda
 6/20/2018 6:26:57 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002731.D
 Acq: 19 Jun 2018 23:24

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	326678		
63	20.1	0.0	41.4	
88	15.2	0.0	30.0	





#35

Dibromofluoromethane

Concen: 47.02 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX002731.D

Acq: 19 Jun 2018 23:24

Instrument :

MSVOA_X

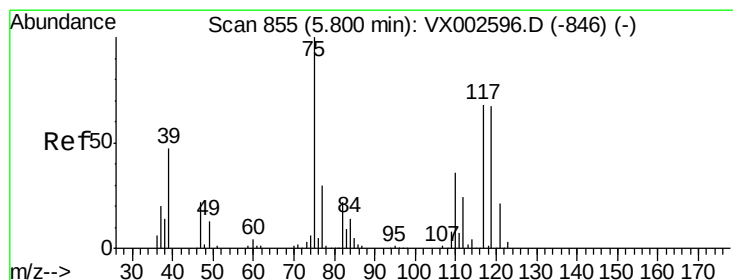
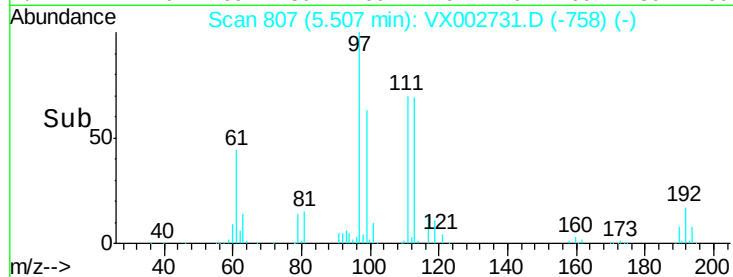
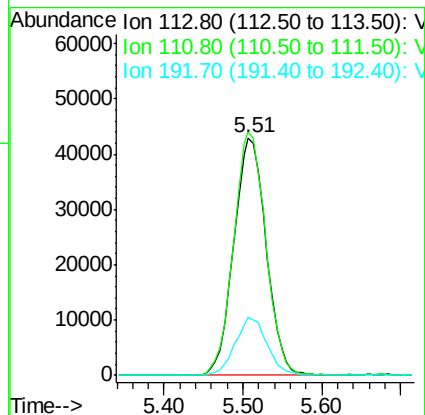
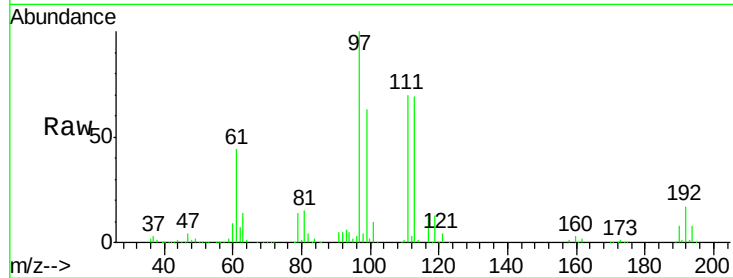
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	122581
Ion Ratio	Lower	Upper	
113	100		
111	101.9	81.4	122.0
192	23.9	19.1	28.7

Manual Integrations
APPROVED

MMDadoda
6/20/2018 6:26:57 PM



#36

1,1-Dichloropropene

Concen: 49.22 ug/l

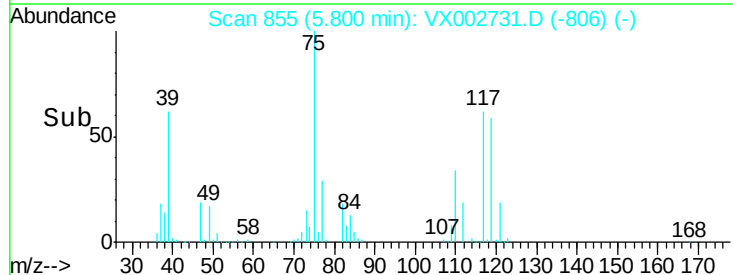
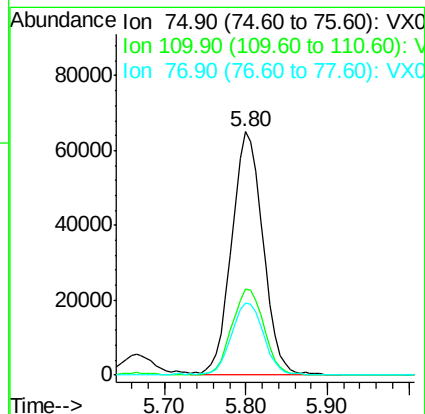
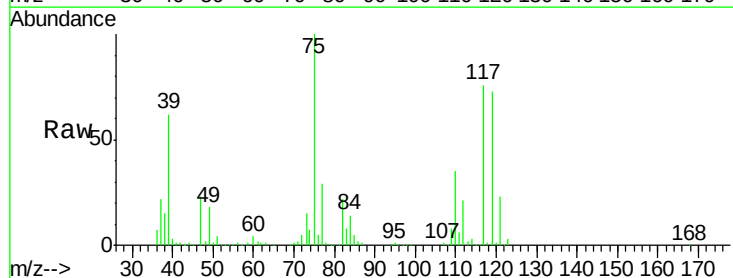
RT: 5.80 min Scan# 855

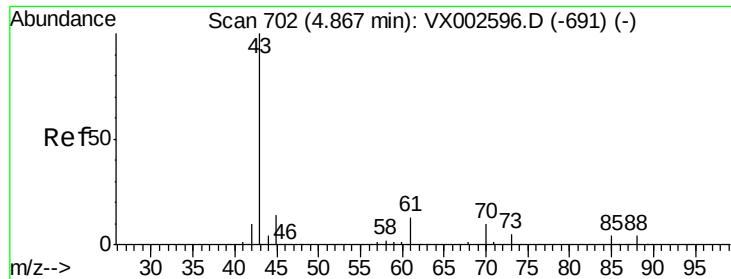
Delta R.T. -0.00 min

Lab File: VX002731.D

Acq: 19 Jun 2018 23:24

Tgt Ion:	75	Resp:	170781
Ion Ratio	Lower	Upper	
75	100		
110	36.9	18.1	54.4
77	31.2	24.3	36.5





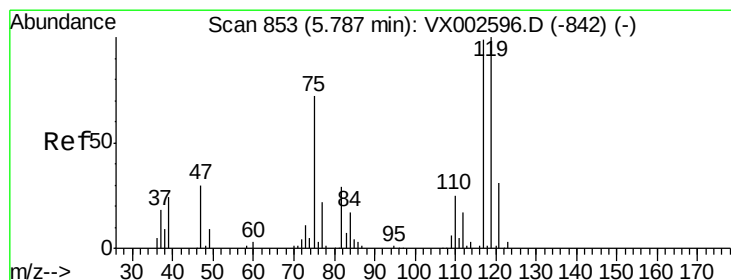
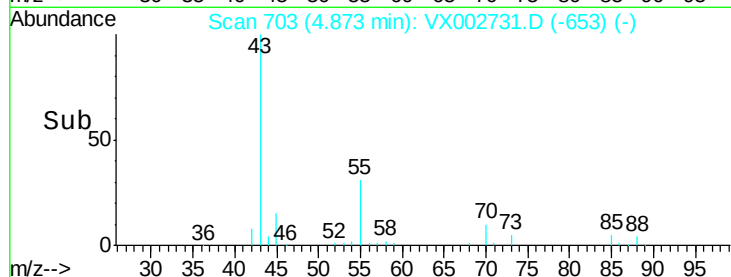
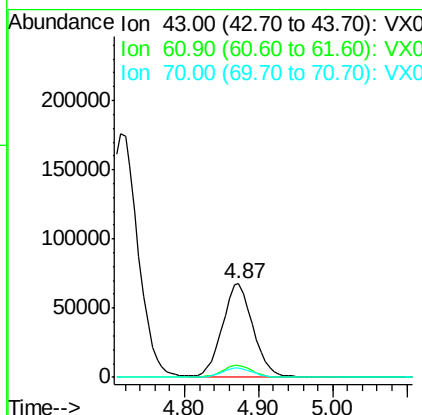
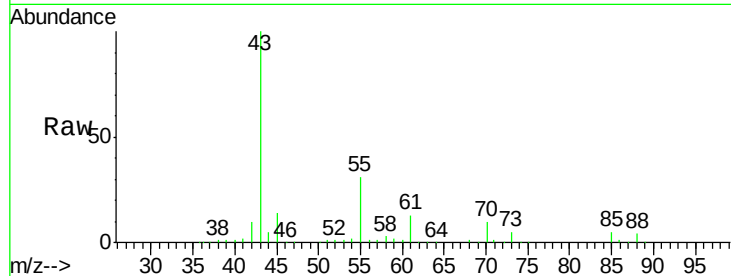
#37
Ethyl Acetate
Concen: 49.55 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.01 min
Lab File: VX002731.D
Acq: 19 Jun 2018 23:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.4	15.6
70	9.8	7.6	11.4

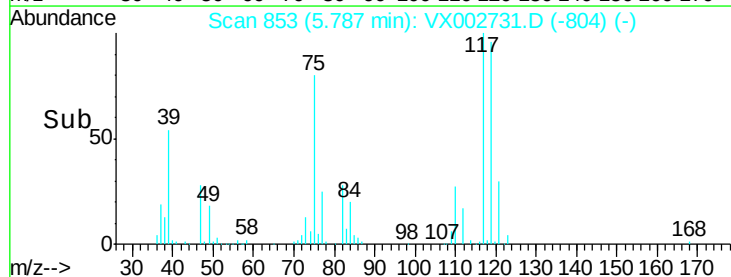
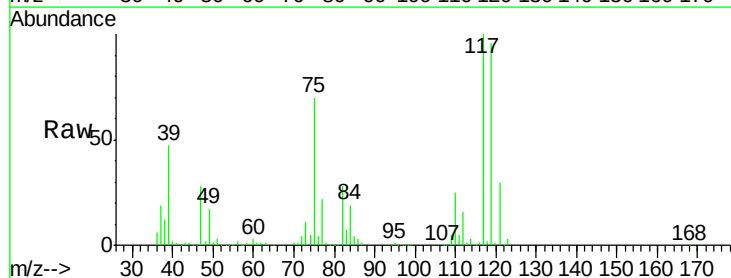
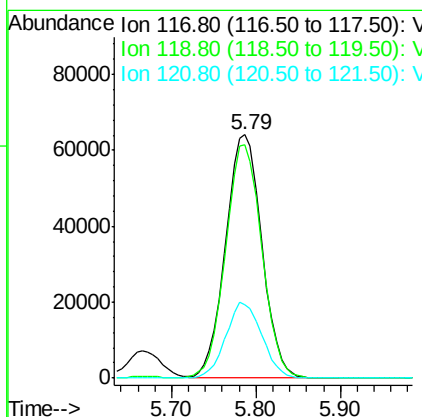
Manual Integrations
APPROVED

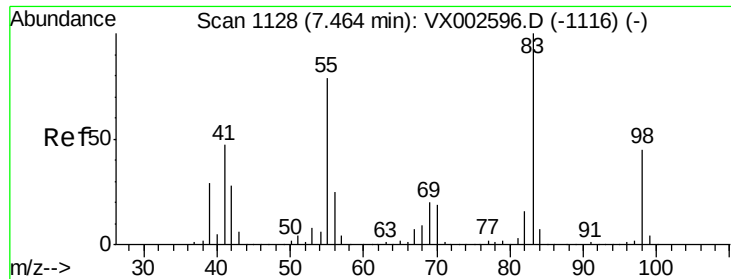
MMDadoda
6/20/2018 6:26:57 PM



#38
Carbon Tetrachloride
Concen: 54.36 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.00 min
Lab File: VX002731.D
Acq: 19 Jun 2018 23:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	77.4	116.0
121	30.2	24.4	36.6





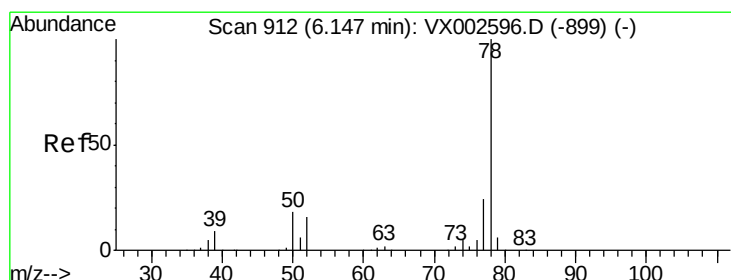
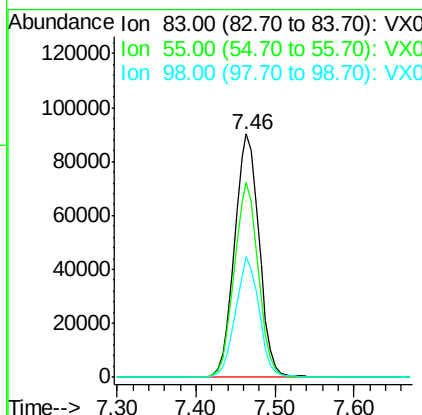
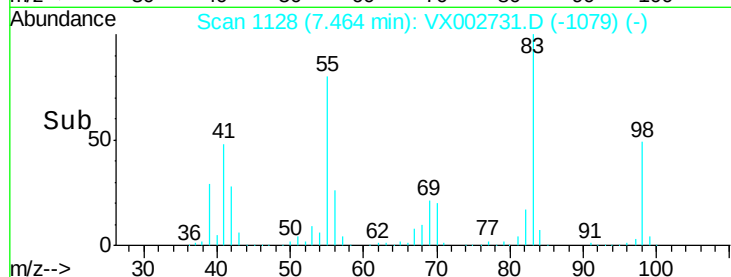
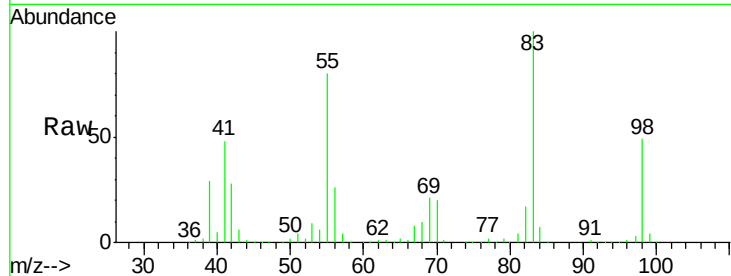
#39
Methylvlcyclohexane
Concen: 48.34 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002731.D
Acq: 19 Jun 2018 23:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.3	65.4	98.0
98	49.4	37.4	56.0

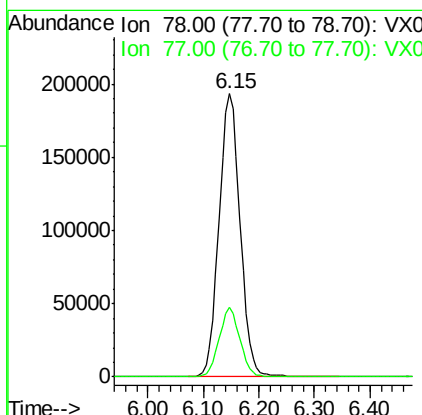
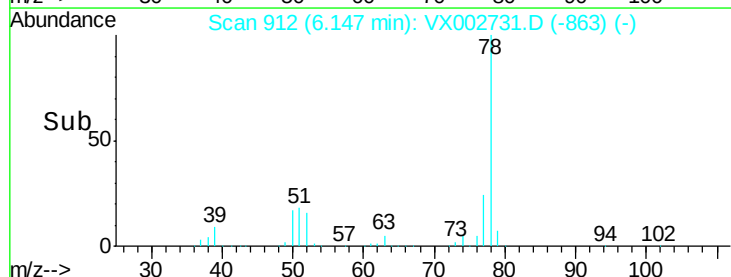
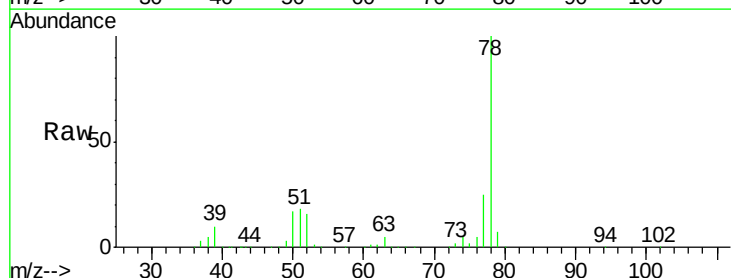
Manual Integrations
APPROVED

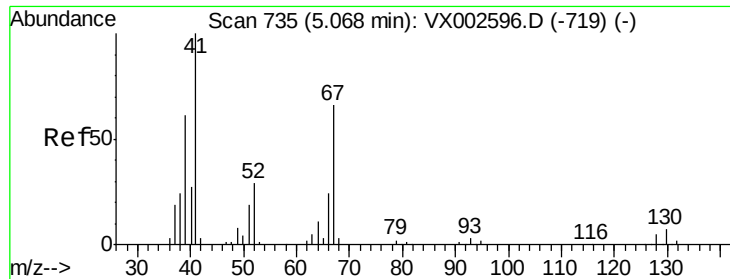
MMDadoda
6/20/2018 6:26:57 PM



#40
Benzene
Concen: 48.82 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX002731.D
Acq: 19 Jun 2018 23:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.1	28.7





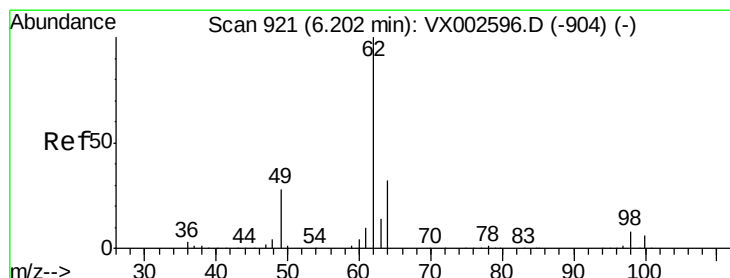
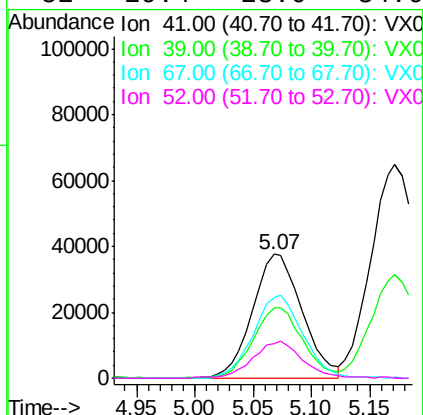
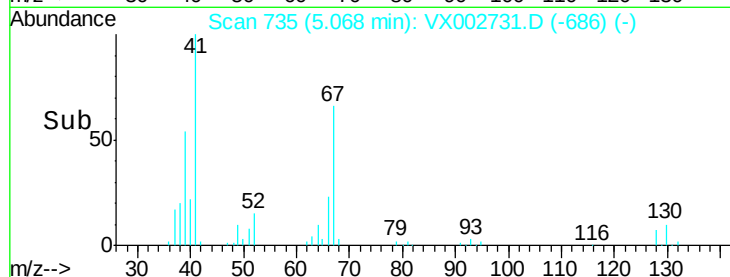
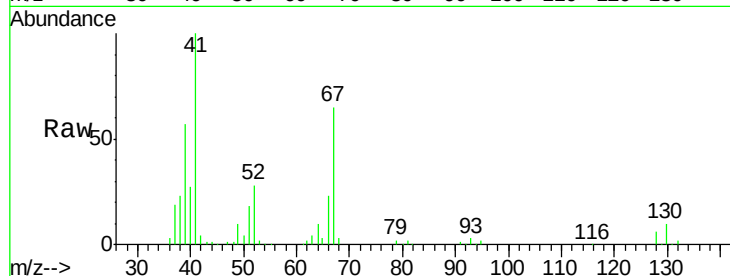
#41
Methacrylonitrile
Concen: 50.01 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX002731.D
Acq: 19 Jun 2018 23:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	110886
Ion Ratio	Lower	Upper	
41	100		
39	56.7	45.8	68.6
67	66.8	51.3	76.9
52	29.4	23.0	34.6

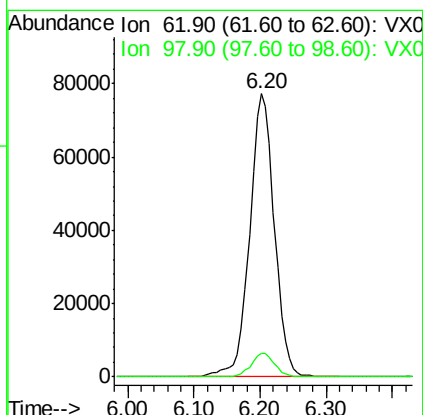
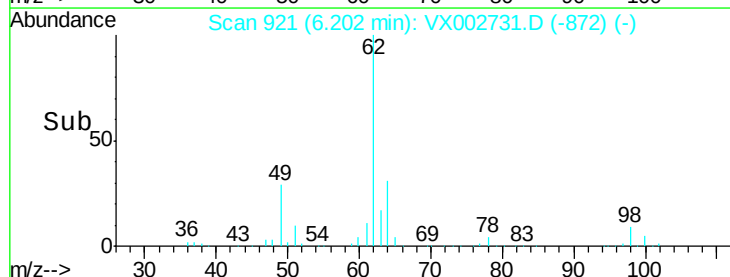
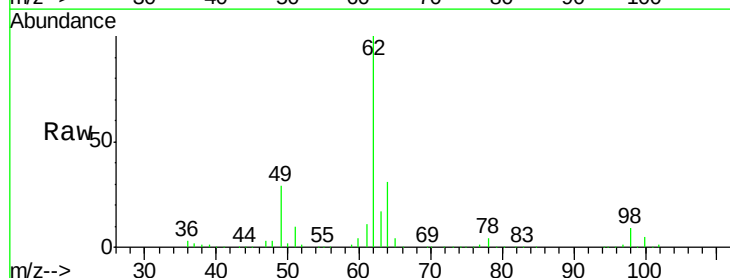
Manual Integrations
APPROVED

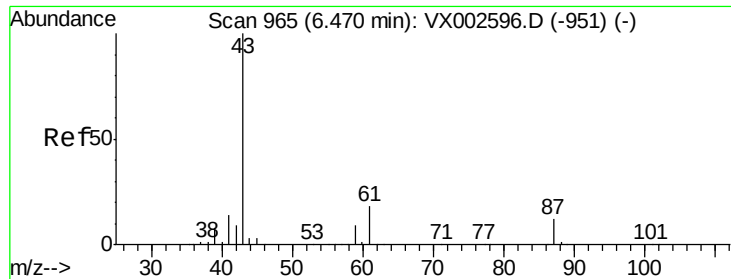
MMDadoda
6/20/2018 6:26:57 PM



#42
1,2-Dichloroethane
Concen: 49.69 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX002731.D
Acq: 19 Jun 2018 23:24

Tgt Ion:	62	Resp:	200126
Ion Ratio	Lower	Upper	
62	100		
98	8.2	0.0	16.6





#43

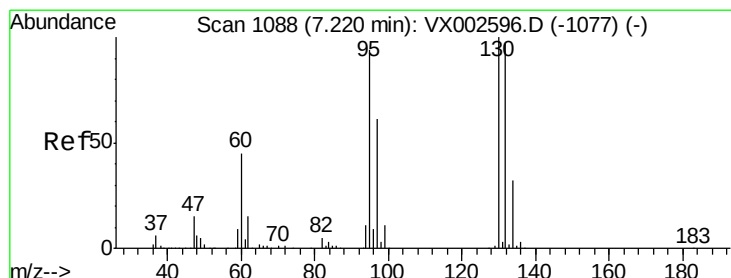
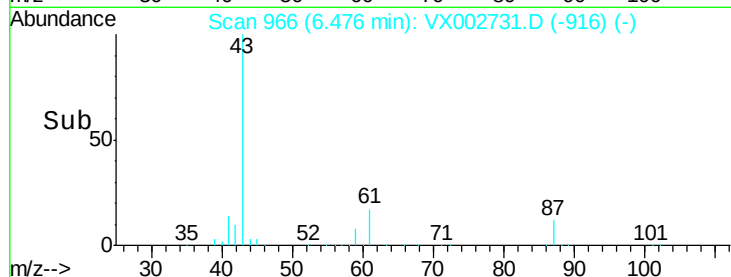
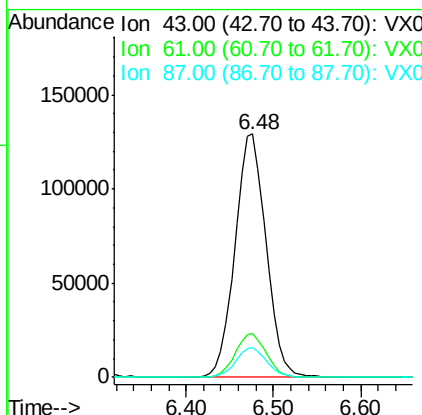
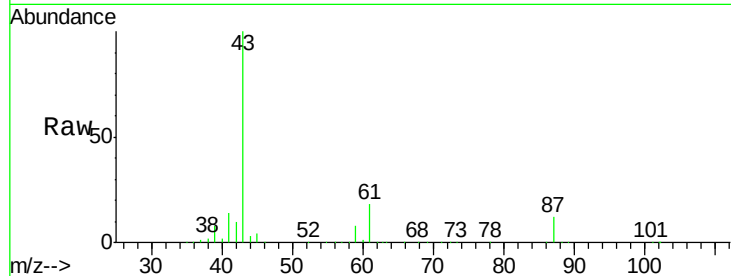
Isopropyl Acetate
 Concen: 48.90 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. 0.01 min
 Lab File: VX002731.D
 Acq: 19 Jun 2018 23:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	43	Resp:	318172
Ion	Ratio	Lower	Upper
43	100		
61	18.1	14.4	21.6
87	12.2	9.5	14.3

Manual Integrations
 APPROVED

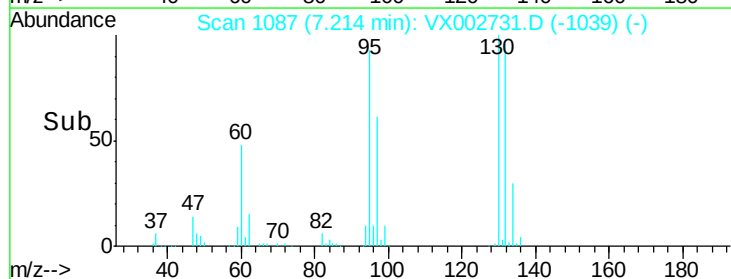
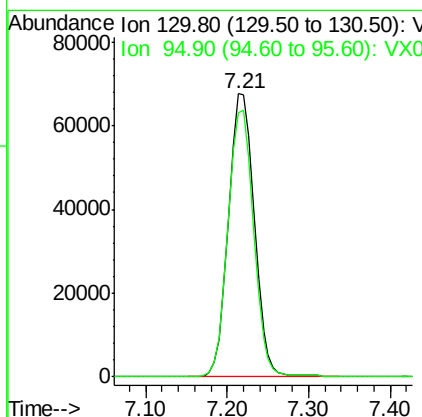
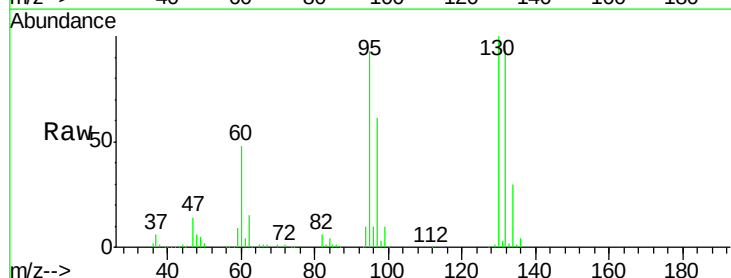
MMDadoda
 6/20/2018 6:26:57 PM

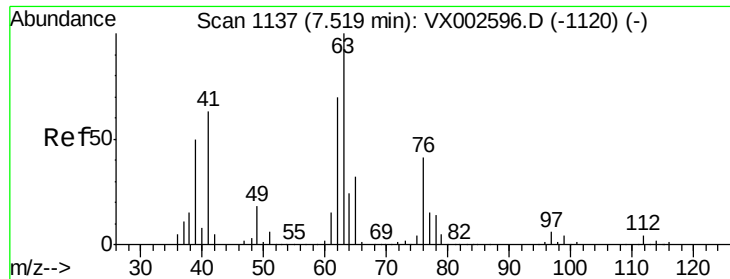


#44

Trichloroethene
 Concen: 49.40 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: VX002731.D
 Acq: 19 Jun 2018 23:24

Tgt Ion:	130	Resp:	148330
Ion	Ratio	Lower	Upper
130	100		
95	93.2	0.0	185.4





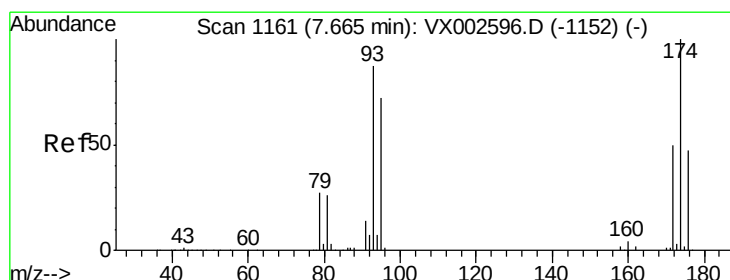
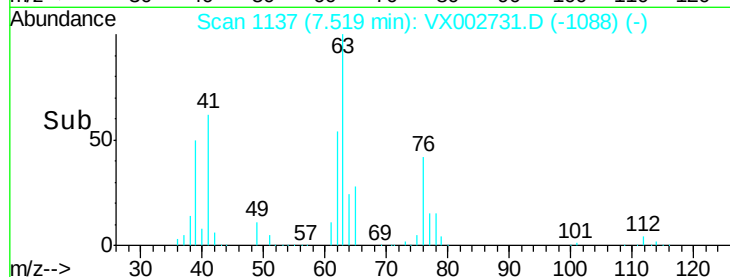
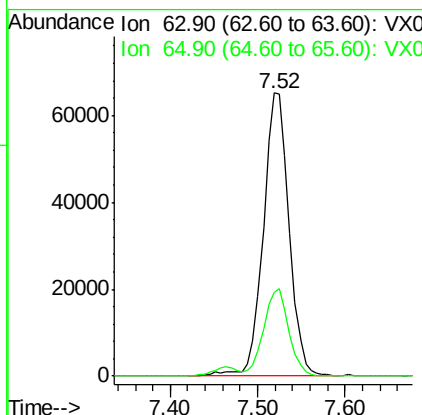
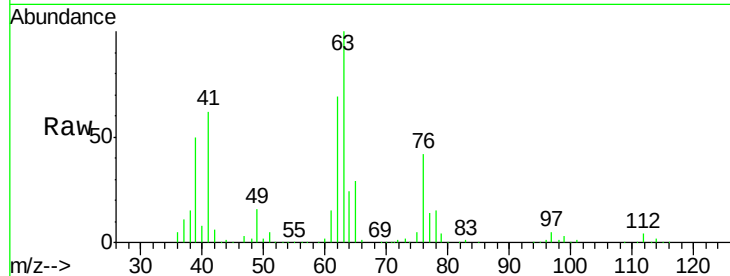
#45
 1,2-Dichloropropane
 Concen: 49.29 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX002731.D
 Acq: 19 Jun 2018 23:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 134964
 Ion Ratio Lower Upper
 63 100
 65 29.4 24.7 37.1

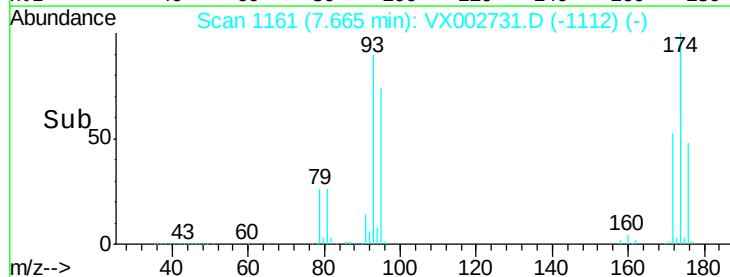
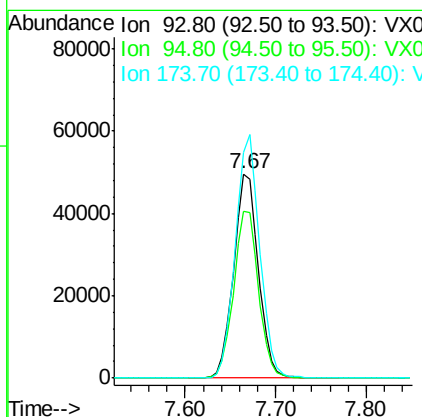
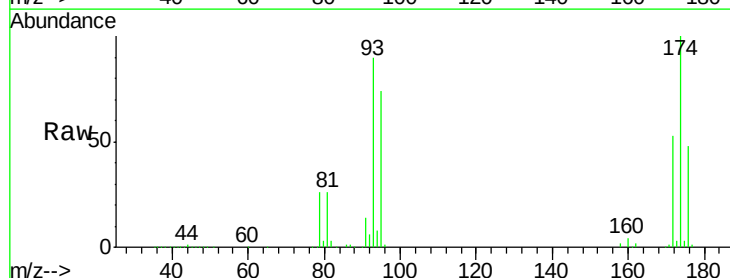
Manual Integrations
 APPROVED

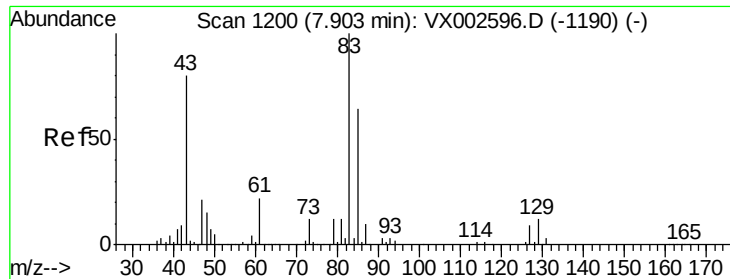
MMDadoda
 6/20/2018 6:26:57 PM



#46
 Dibromomethane
 Concen: 51.36 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX002731.D
 Acq: 19 Jun 2018 23:24

Tgt Ion: 93 Resp: 94070
 Ion Ratio Lower Upper
 93 100
 95 82.4 65.9 98.9
 174 117.4 92.4 138.6





#47

Bromodichloromethane

Concen: 53.86 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX002731.D

Acq: 19 Jun 2018 23:24

Instrument :

MSVOA_X

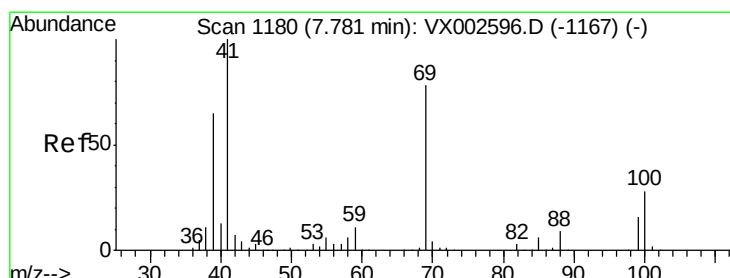
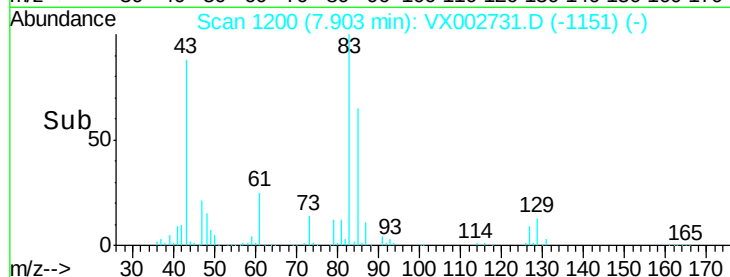
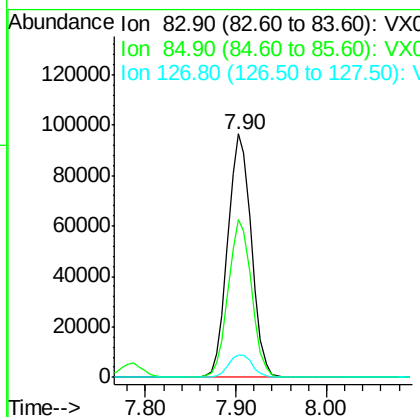
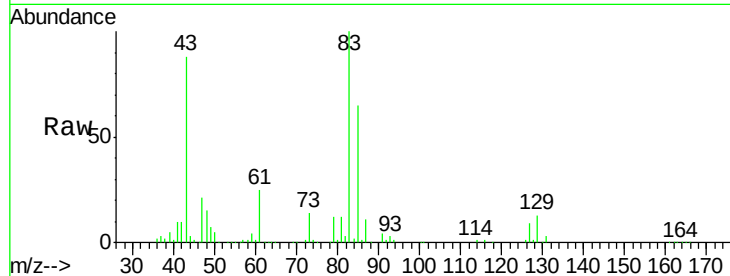
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	173988
Ion Ratio	Lower	Upper	
83	100		
85	65.1	50.3	75.5
127	9.3	7.0	10.4

Manual Integrations
APPROVED

MMDadoda
6/20/2018 6:26:57 PM



#48

Methyl methacrylate

Concen: 49.07 ug/l

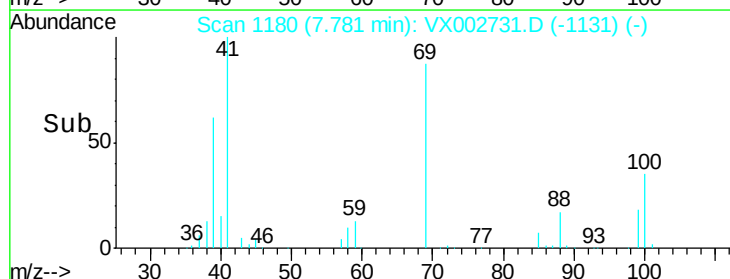
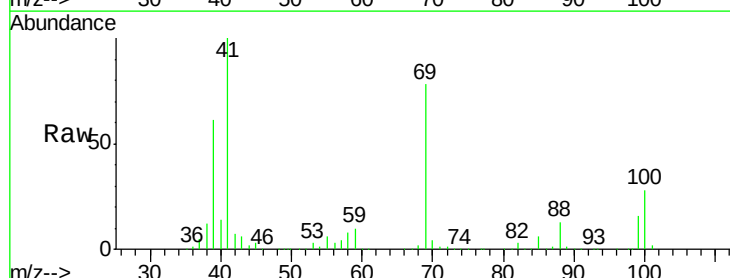
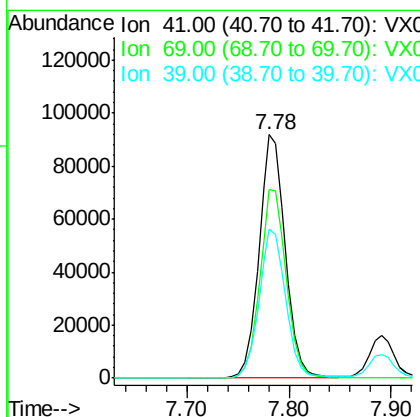
RT: 7.78 min Scan# 1180

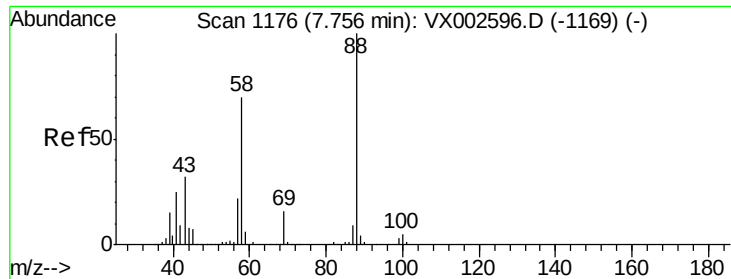
Delta R.T. -0.00 min

Lab File: VX002731.D

Acq: 19 Jun 2018 23:24

Tgt Ion:	41	Resp:	163135
Ion Ratio	Lower	Upper	
41	100		
69	78.8	59.1	88.7
39	62.1	48.9	73.3





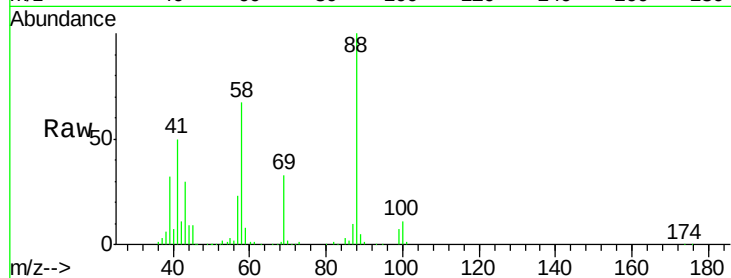
#49
1,4-Dioxane
Concen: 1094.64 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VX002731.D
Acq: 19 Jun 2018 23:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

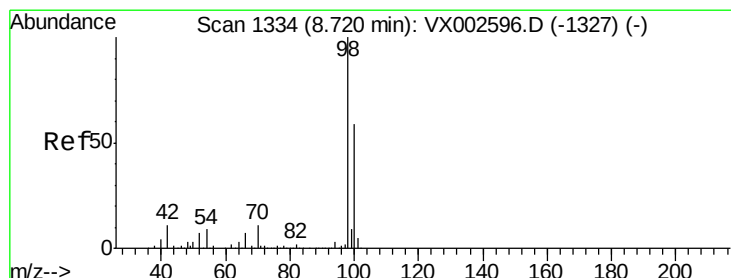
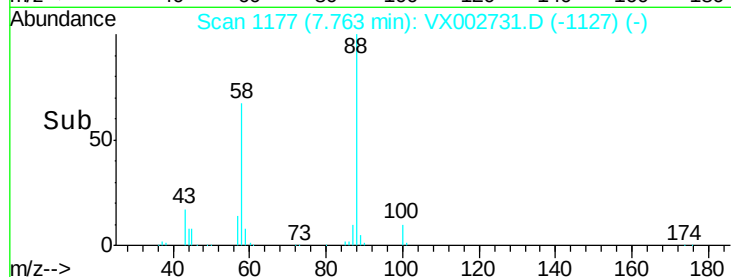
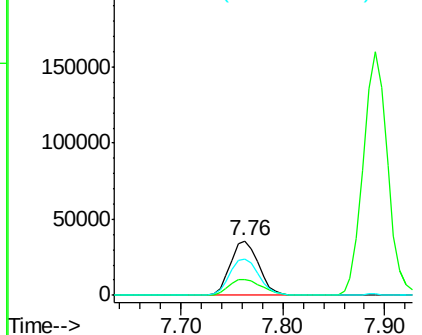
Tot Ion	Ratio	Lower	Upper
88	100		
43	34.6	29.8	44.6
58	68.5	57.1	85.7

Manual Integrations
APPROVED

MMDadoda
6/20/2018 6:26:57 PM

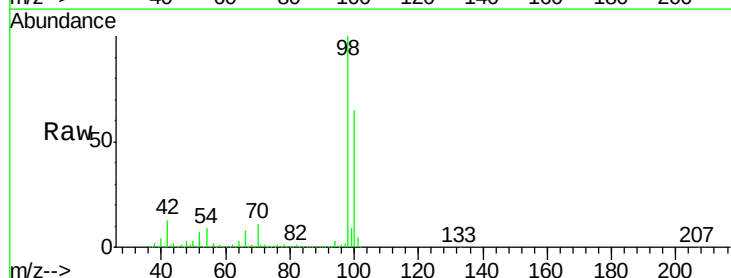


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

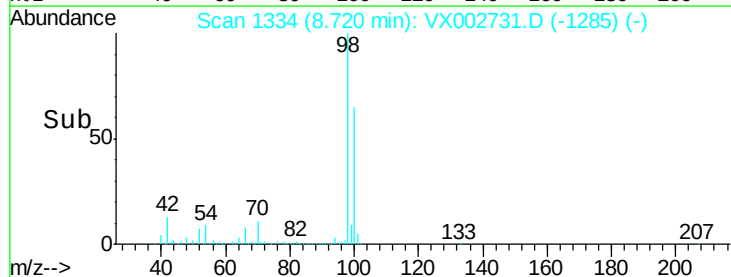
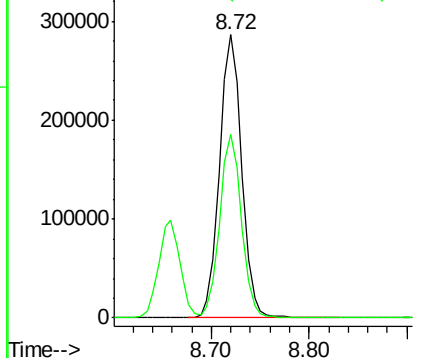


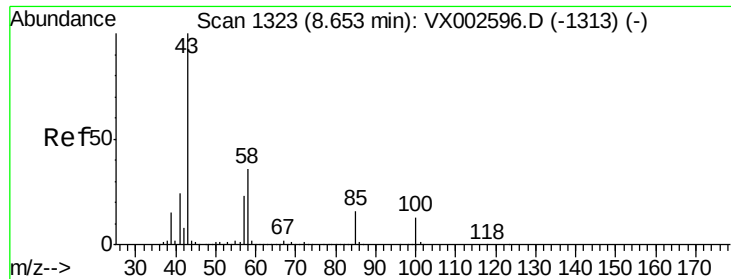
#50
Toluene-d8
Concen: 45.32 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002731.D
Acq: 19 Jun 2018 23:24

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	50.9	76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





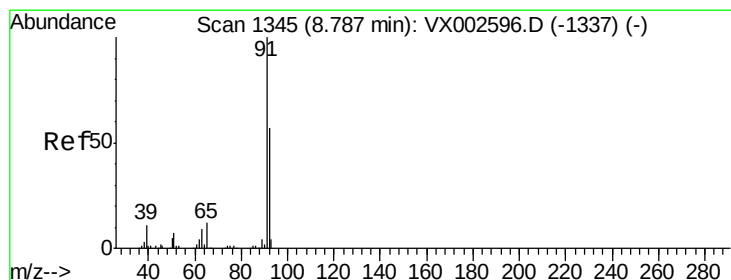
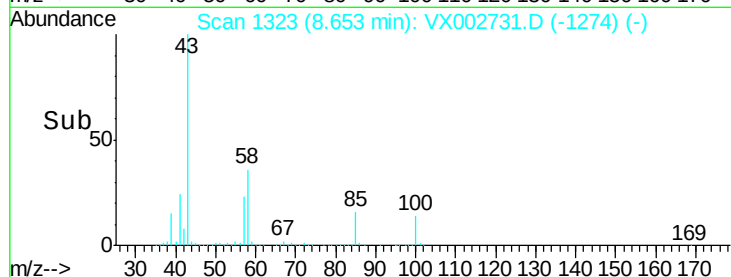
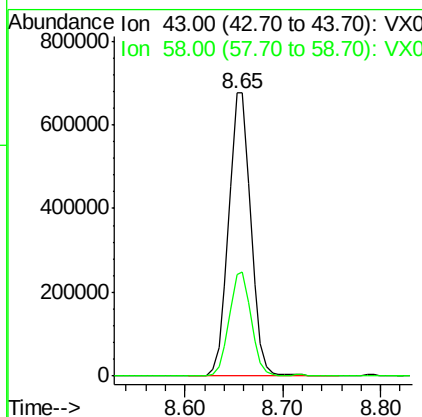
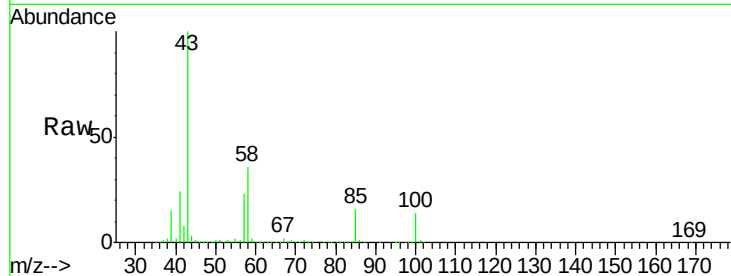
#51
4-Methyl-2-Pentanone
Concen: 255.37 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. 0.00 min
Lab File: VX002731.D
Acq: 19 Jun 2018 23:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1066816
Ion Ratio Lower Upper
43 100
58 36.3 28.6 42.8

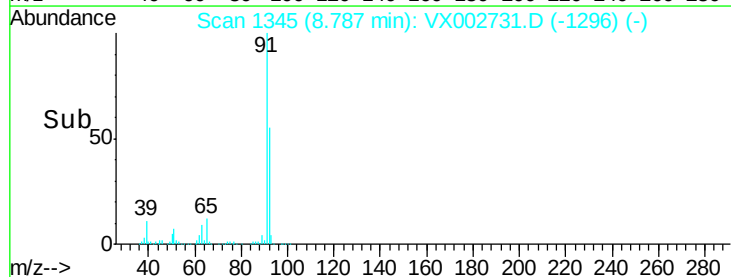
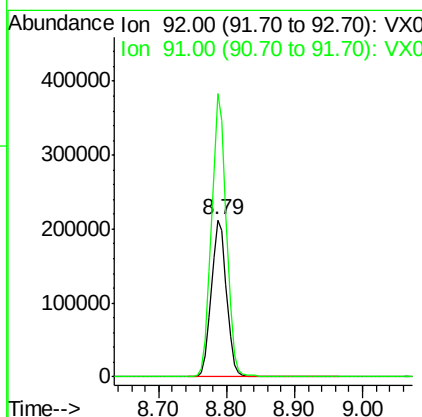
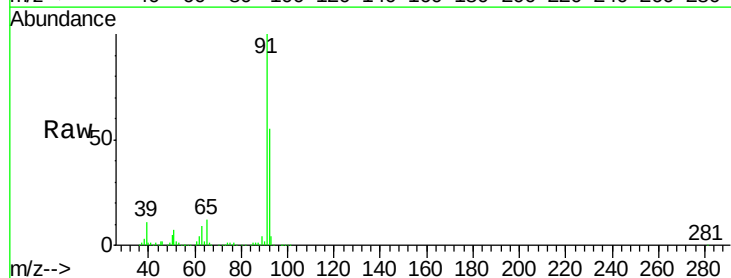
Manual Integrations
APPROVED

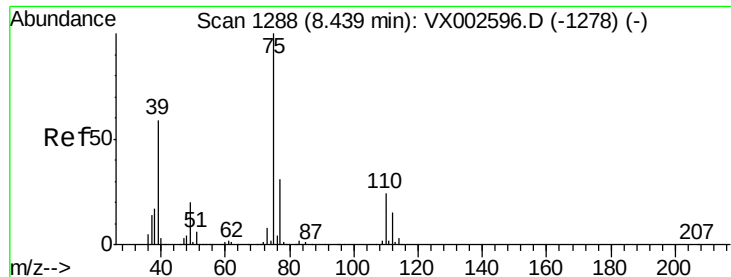
MMDadoda
6/20/2018 6:26:57 PM



#52
Toluene
Concen: 49.73 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VX002731.D
Acq: 19 Jun 2018 23:24

Tgt Ion: 92 Resp: 330006
Ion Ratio Lower Upper
92 100
91 176.5 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 45.55 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX002731.D

Acq: 19 Jun 2018 23:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 193802

Ion Ratio Lower Upper

75 100

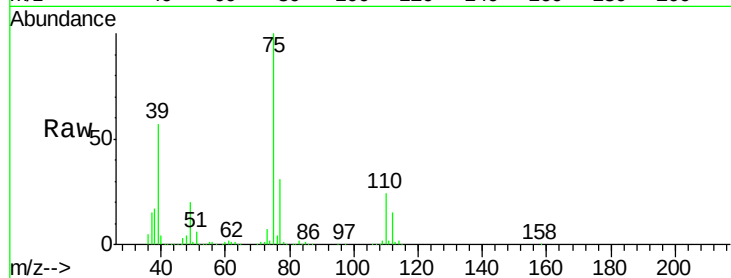
77 30.5 25.4 38.2

Manual Integrations

APPROVED

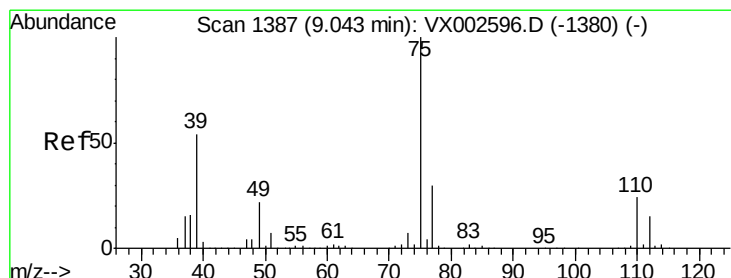
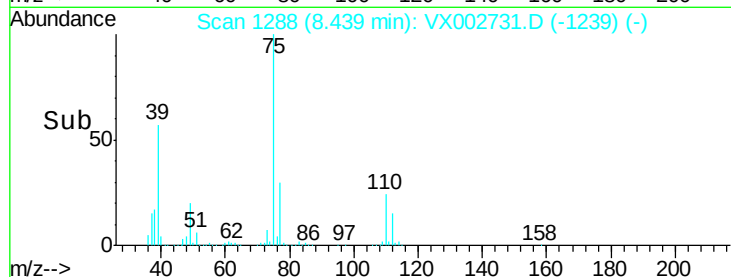
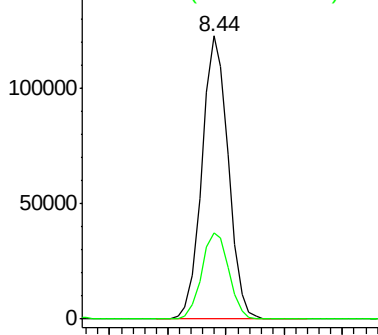
MMDadoda

6/20/2018 6:26:57 PM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 44.36 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VX002731.D

Acq: 19 Jun 2018 23:24

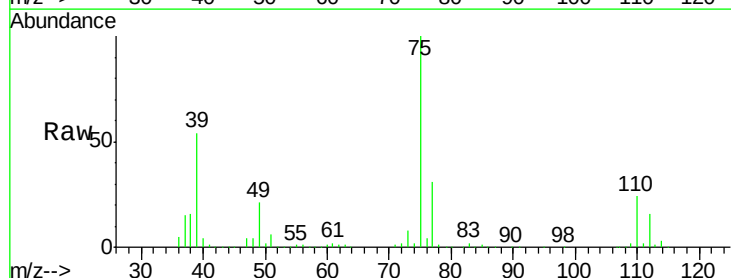
Tgt Ion: 75 Resp: 179384

Ion Ratio Lower Upper

75 100

77 31.1 24.8 37.2

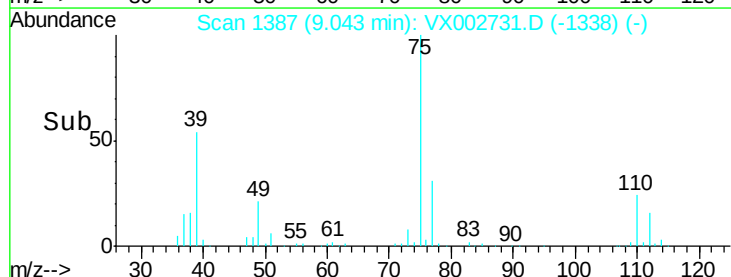
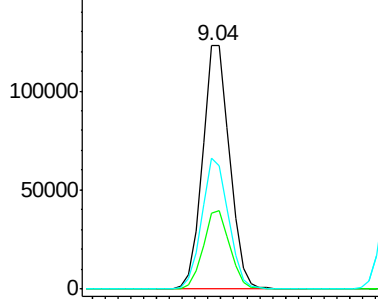
39 53.8 42.4 63.6

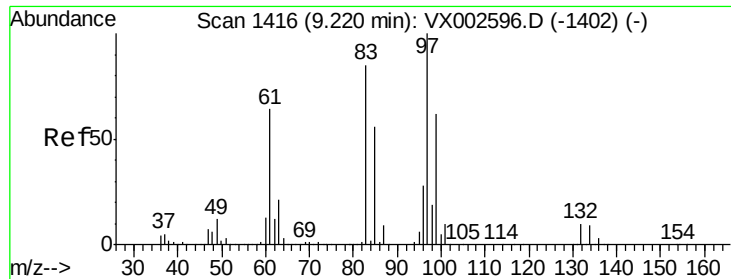


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





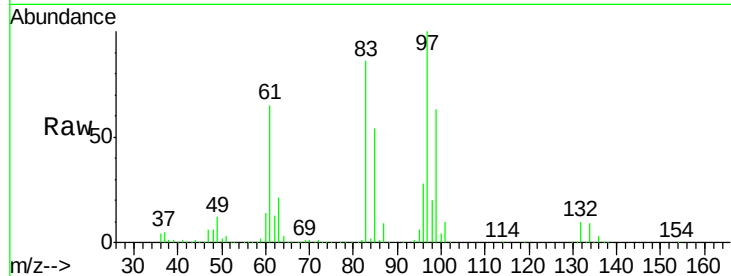
#55
 1,1,2-Trichloroethane
 Concen: 51.22 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002731.D
 Acq: 19 Jun 2018 23:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

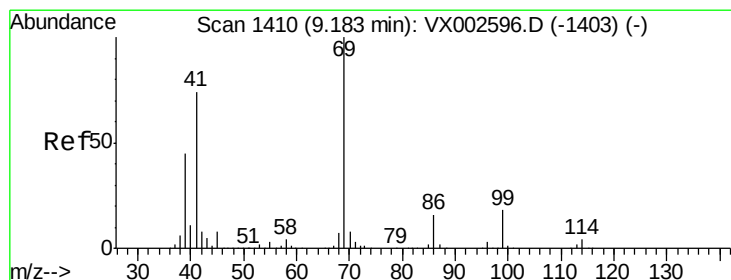
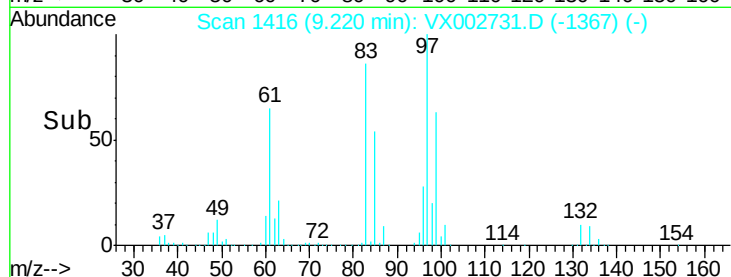
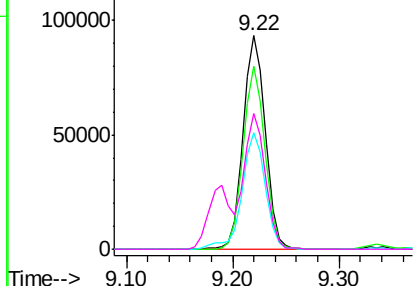
Tot Ion:	97	Resp:	137355
Ion	Ratio	Lower	Upper
97	100		
83	85.8	70.2	105.2
85	54.4	44.9	67.3
99	63.3	49.8	74.8

Manual Integrations
 APPROVED

MMDadoda
 6/20/2018 6:26:57 PM

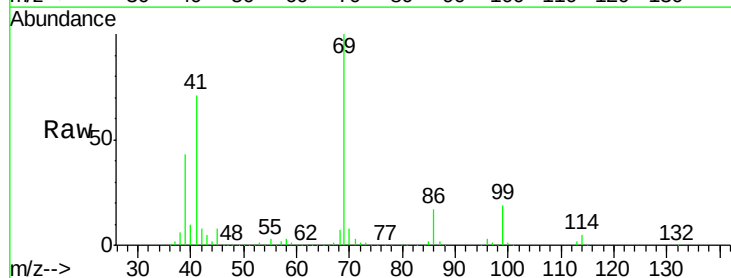


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

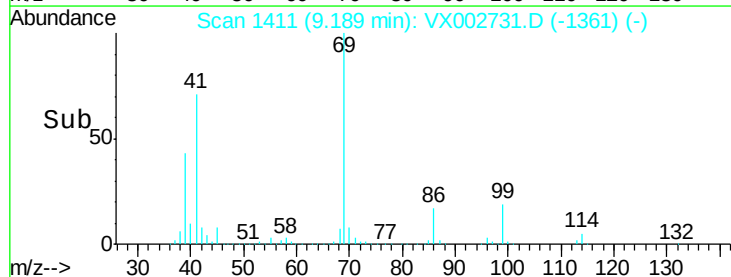
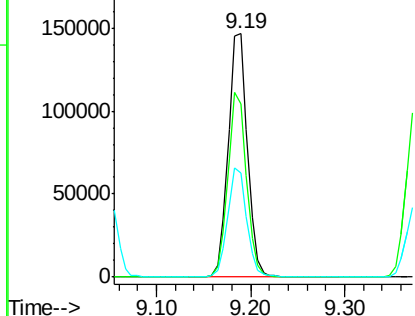


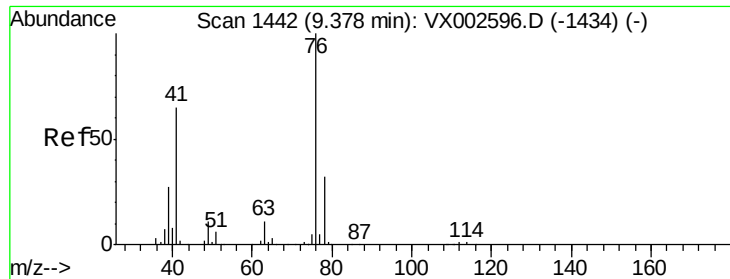
#56
 Ethyl methacrylate
 Concen: 50.18 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.01 min
 Lab File: VX002731.D
 Acq: 19 Jun 2018 23:24

Tgt Ion:	69	Resp:	207060
Ion	Ratio	Lower	Upper
69	100		
41	73.3	60.3	90.5
39	44.5	35.8	53.8



Abundance Ion 69.00 (68.70 to 69.70): VX0
 Ion 41.00 (40.70 to 41.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 49.01 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX002731.D

Acq: 19 Jun 2018 23:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 22281

Ion Ratio Lower Upper

76 100

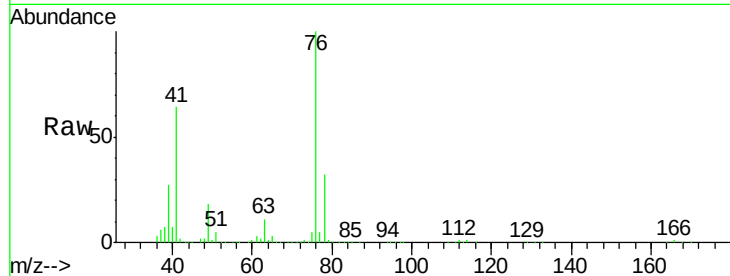
78 32.4 25.8 38.6

Manual Integrations

APPROVED

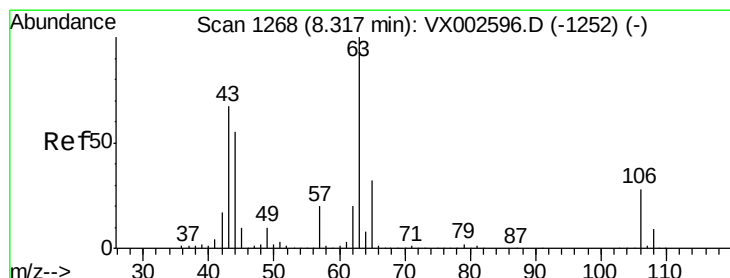
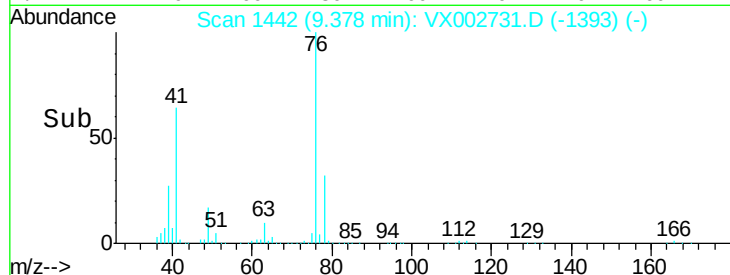
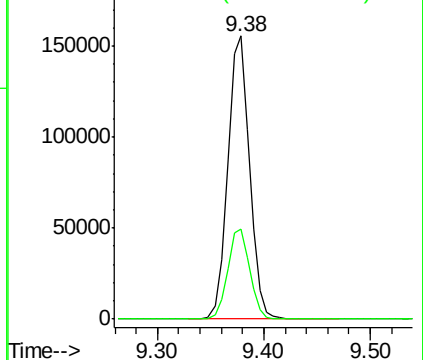
MMDadoda

6/20/2018 6:26:57 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 227.03 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VX002731.D

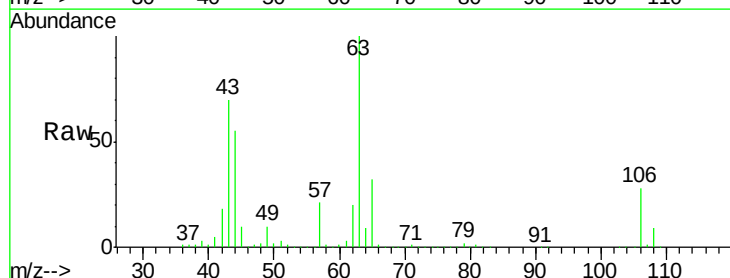
Acq: 19 Jun 2018 23:24

Tgt Ion: 63 Resp: 453132

Ion Ratio Lower Upper

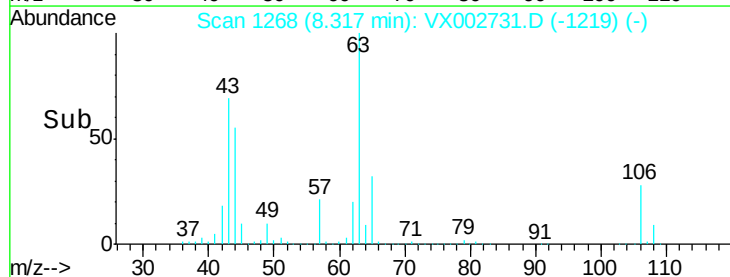
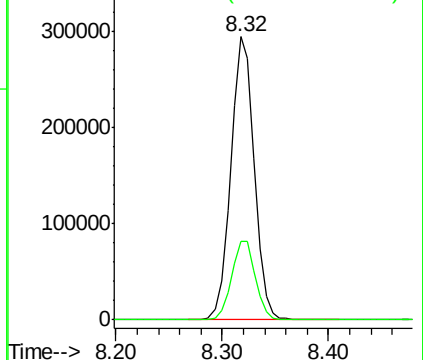
63 100

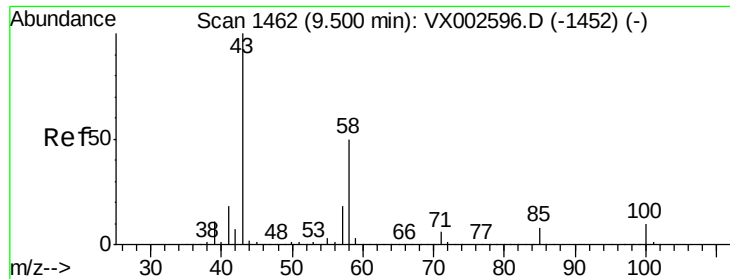
106 28.5 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





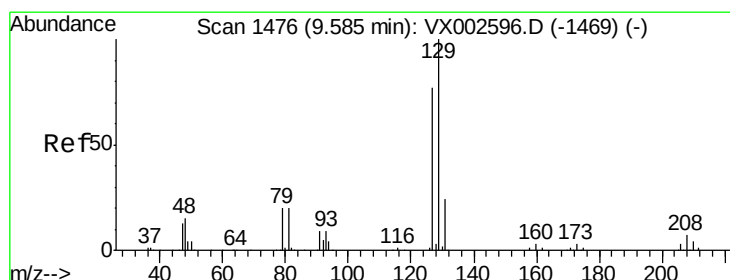
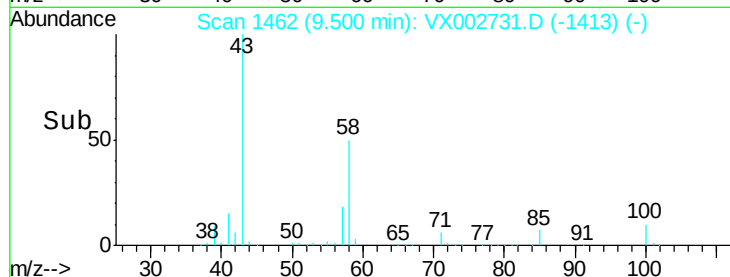
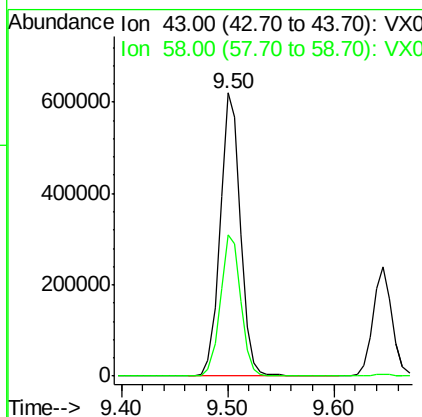
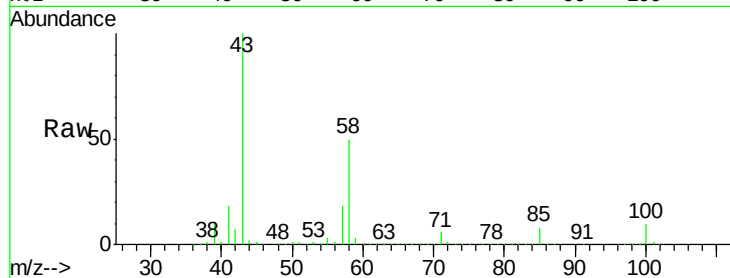
#59
2-Hexanone
Concen: 260.74 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX002731.D
Acq: 19 Jun 2018 23:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 820800
Ion Ratio Lower Upper
43 100
58 50.4 24.6 73.6

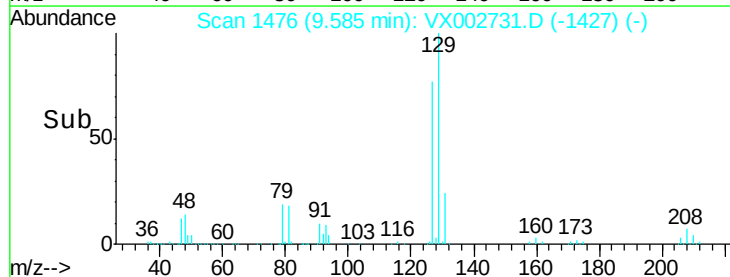
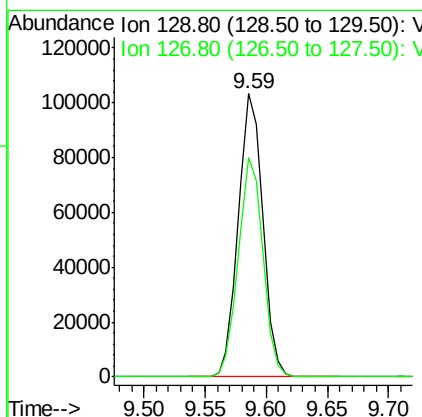
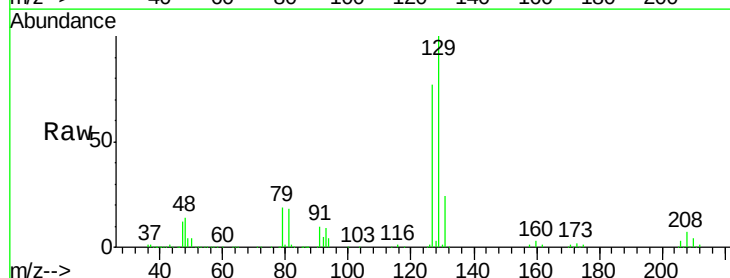
Manual Integrations
APPROVED

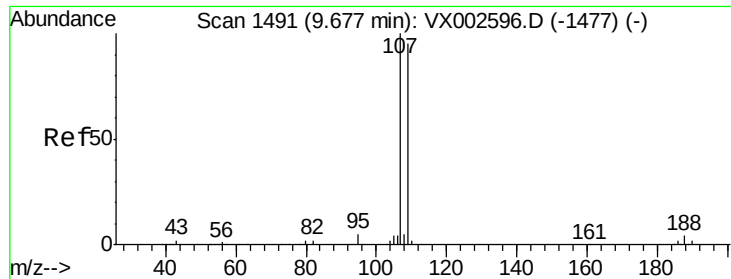
MMDadoda
6/20/2018 6:26:57 PM



#60
Dibromochloromethane
Concen: 47.72 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX002731.D
Acq: 19 Jun 2018 23:24

Tgt Ion: 129 Resp: 143369
Ion Ratio Lower Upper
129 100
127 77.6 38.5 115.3





#61

1,2-Dibromoethane

Concen: 52.10 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002731.D

Acq: 19 Jun 2018 23:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 144685

Ion Ratio Lower Upper

107 100

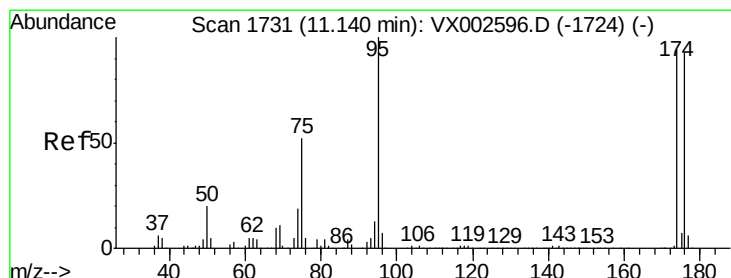
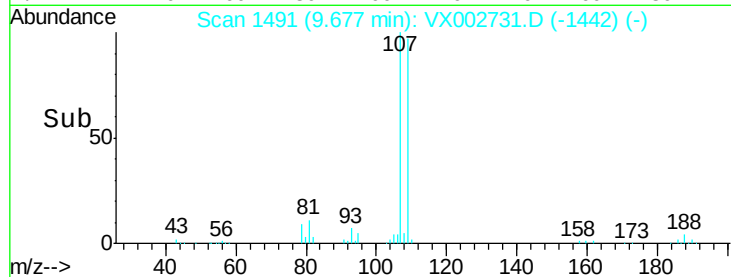
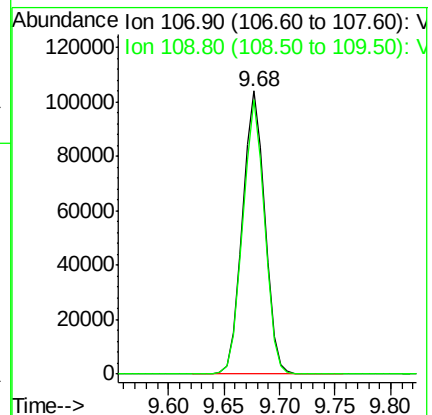
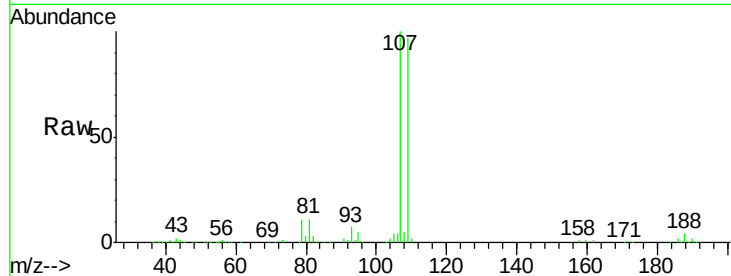
109 94.8 75.3 112.9

Manual Integrations

APPROVED

MMDadoda

6/20/2018 6:26:57 PM



#62

4-Bromofluorobenzene

Concen: 46.09 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002731.D

Acq: 19 Jun 2018 23:24

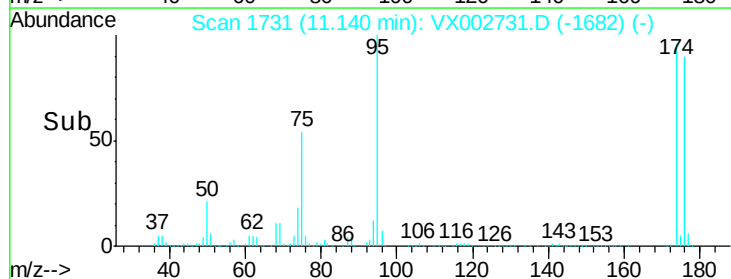
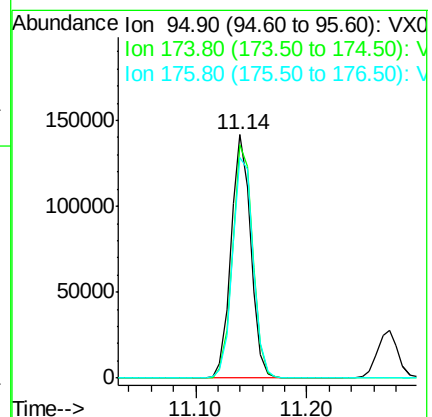
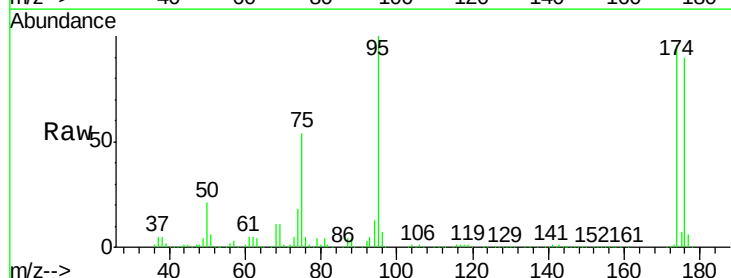
Tgt Ion: 95 Resp: 172904

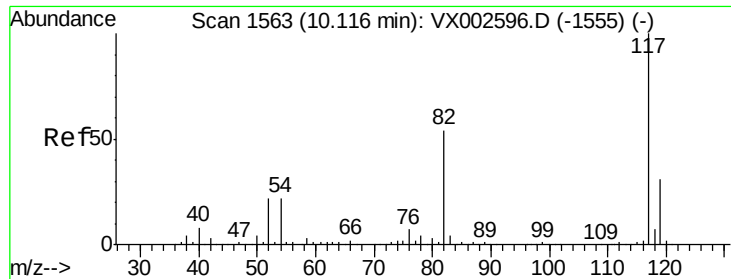
Ion Ratio Lower Upper

95 100

174 97.9 0.0 187.4

176 95.0 0.0 181.0





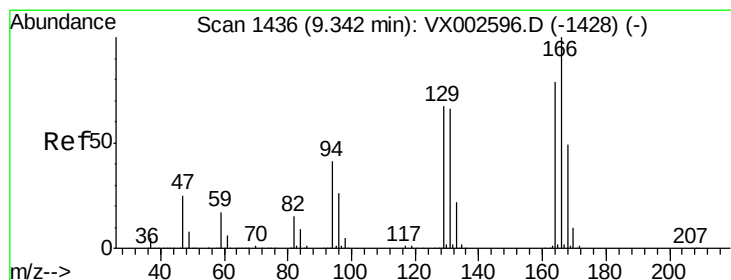
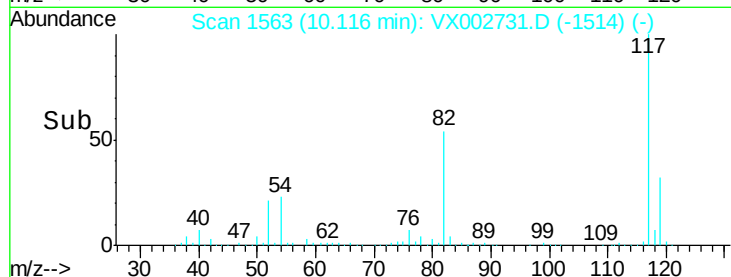
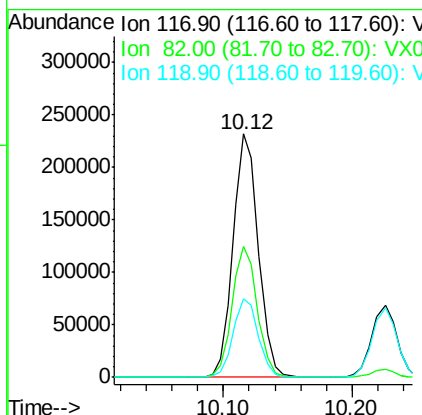
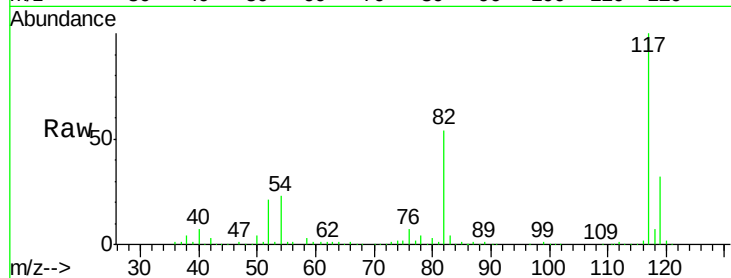
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002731.D
Acq: 19 Jun 2018 23:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.7	45.0	67.4
119	32.5	25.8	38.6

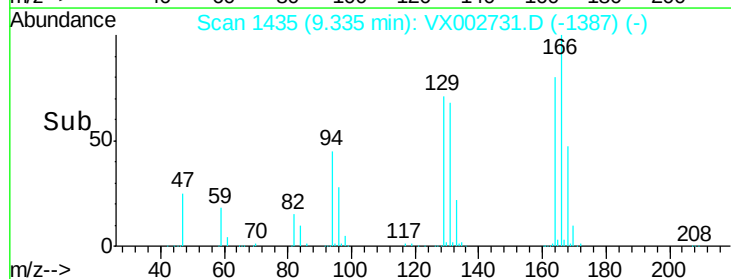
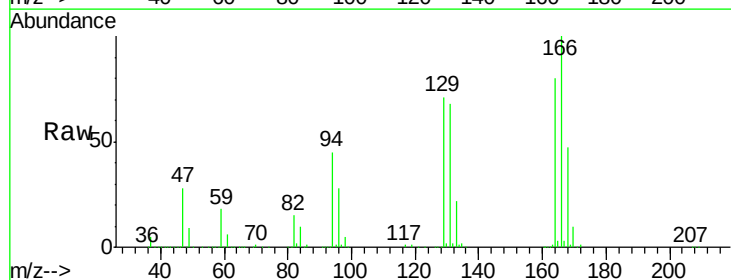
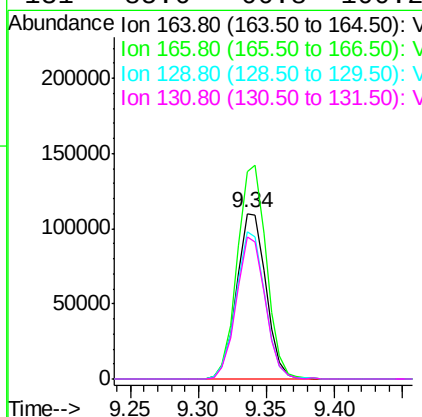
Manual Integrations
APPROVED

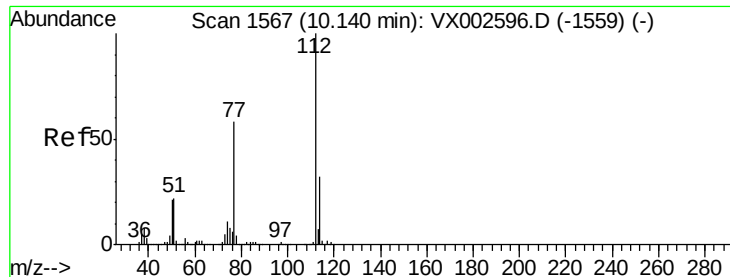
MMDadoda
6/20/2018 6:26:57 PM



#64
Tetrachloroethene
Concen: 46.89 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.01 min
Lab File: VX002731.D
Acq: 19 Jun 2018 23:24

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.4	102.9	154.3
129	89.1	68.6	102.8
131	85.6	66.8	100.2





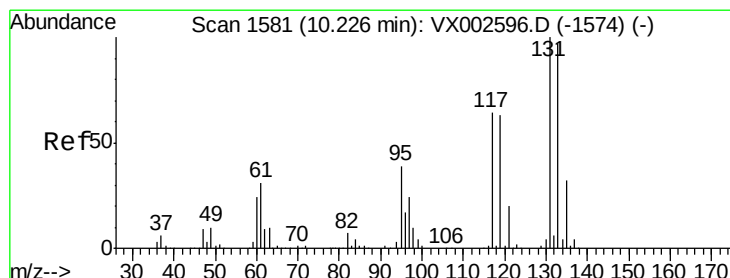
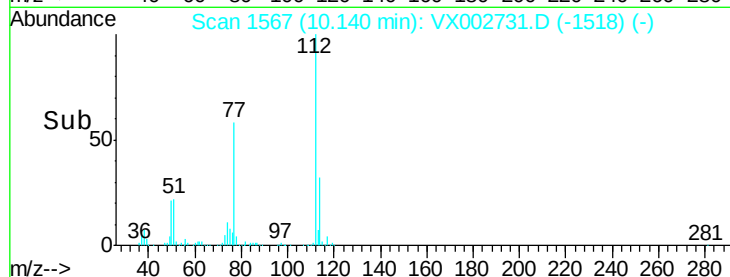
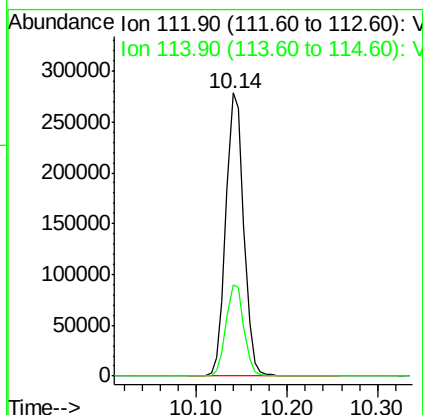
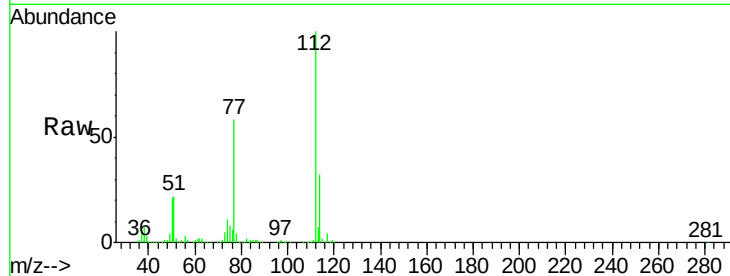
#65
Chlorobenzene
Concen: 48.83 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX002731.D
Acq: 19 Jun 2018 23:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.3	37.9

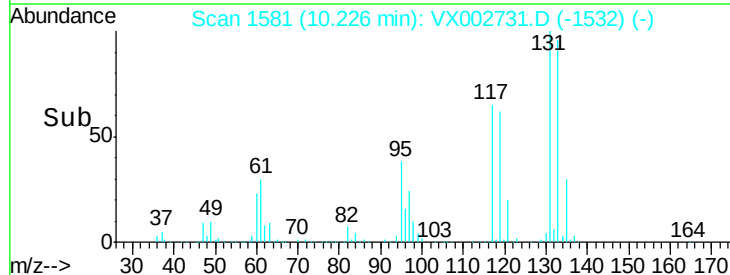
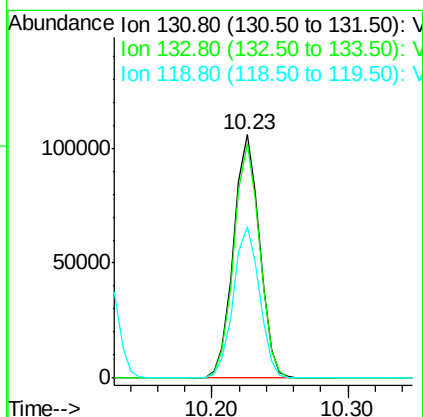
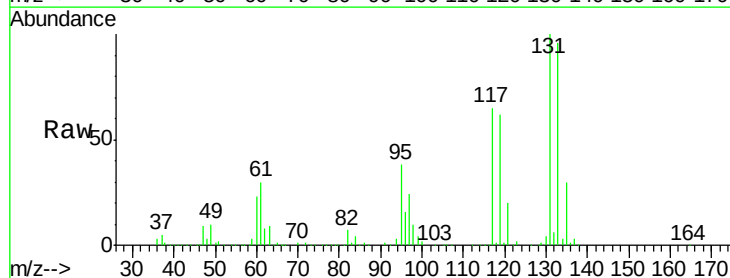
Manual Integrations
APPROVED

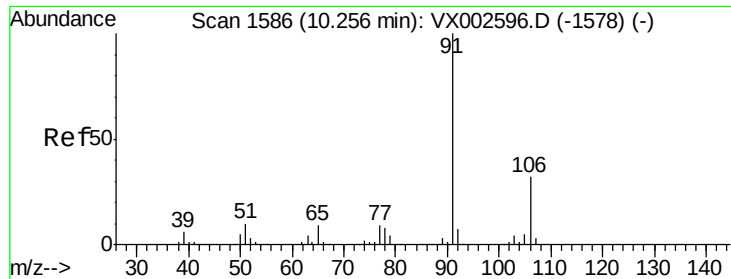
MMDadoda
6/20/2018 6:26:57 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.95 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX002731.D
Acq: 19 Jun 2018 23:24

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.8	47.9	143.6
119	62.5	31.8	95.3





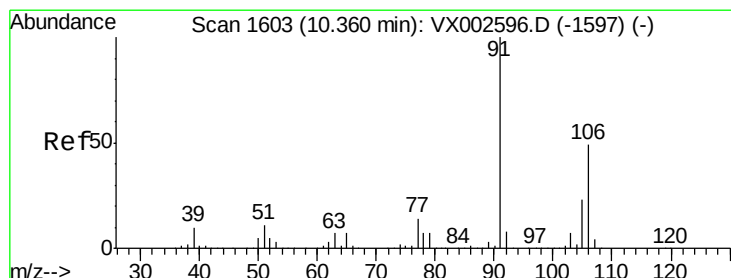
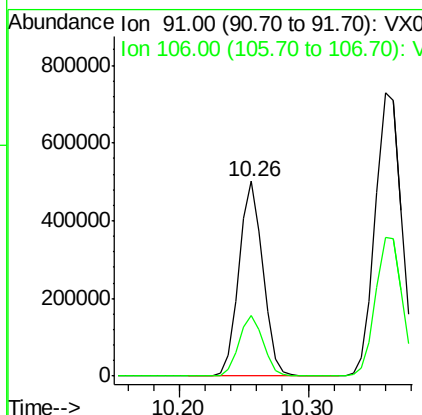
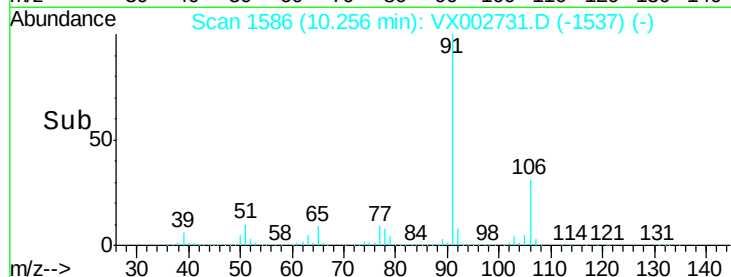
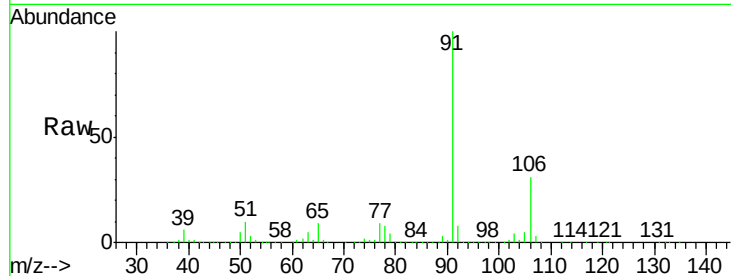
#67
Ethyl Benzene
Concen: 48.97 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX002731.D
Acq: 19 Jun 2018 23:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 645792
Ion Ratio Lower Upper
91 100
106 31.5 25.5 38.3

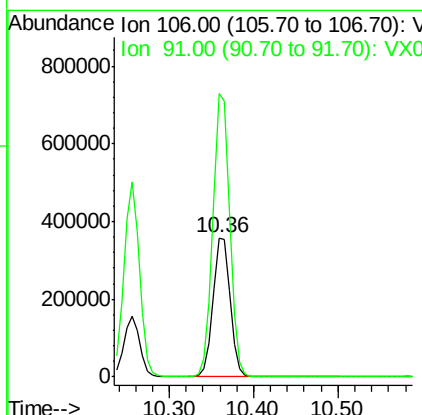
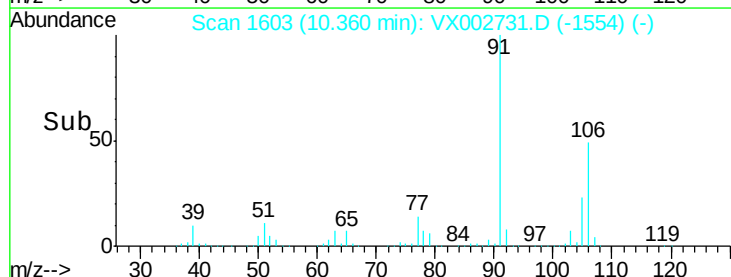
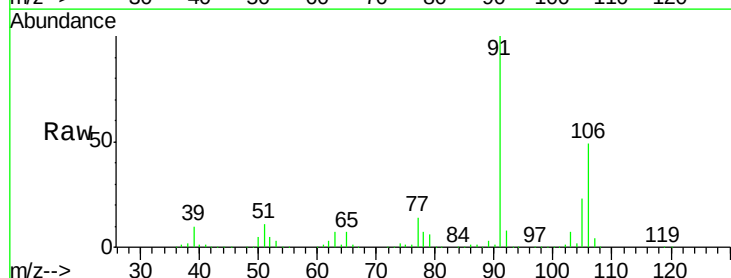
Manual Integrations
APPROVED

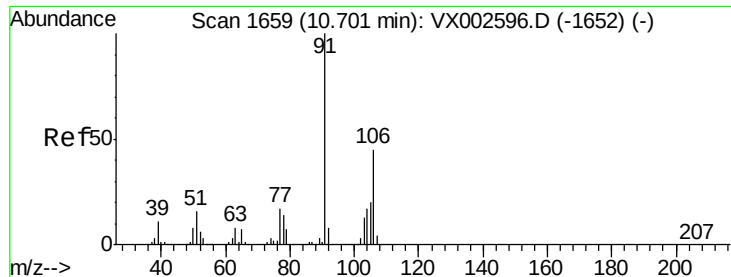
MMDadoda
6/20/2018 6:26:57 PM



#68
m/p-Xylenes
Concen: 99.93 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX002731.D
Acq: 19 Jun 2018 23:24

Tgt Ion: 106 Resp: 508288
Ion Ratio Lower Upper
106 100
91 201.9 163.4 245.2





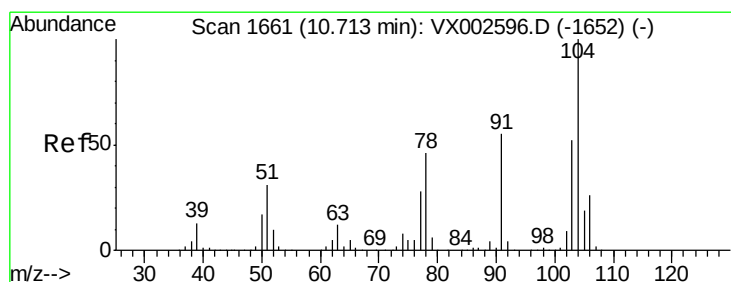
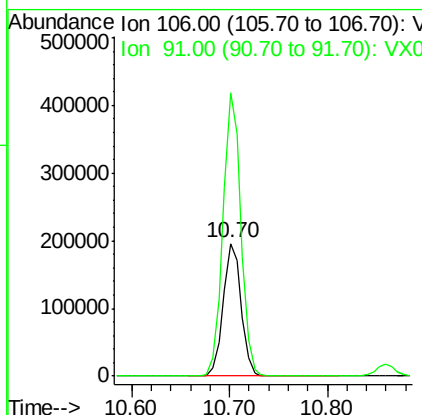
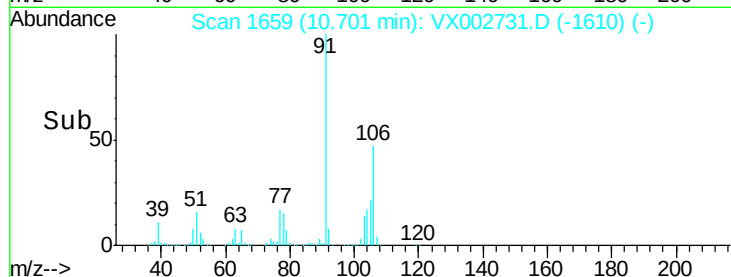
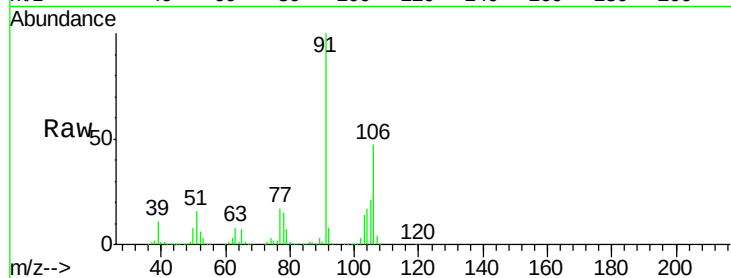
#69
o-Xylene
Concen: 49.71 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX002731.D
Acq: 19 Jun 2018 23:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	212.6	108.2	324.6

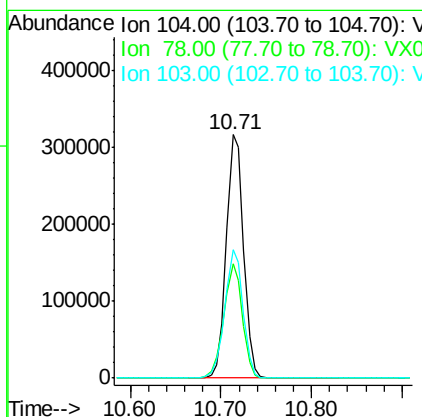
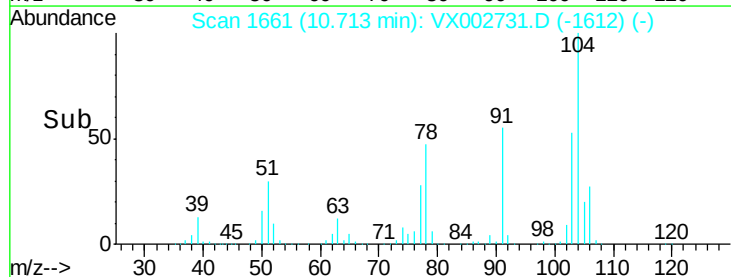
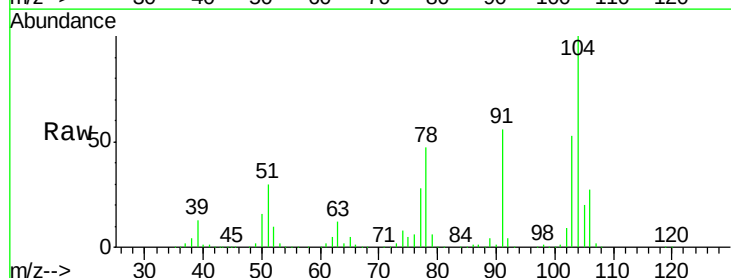
Manual Integrations
APPROVED

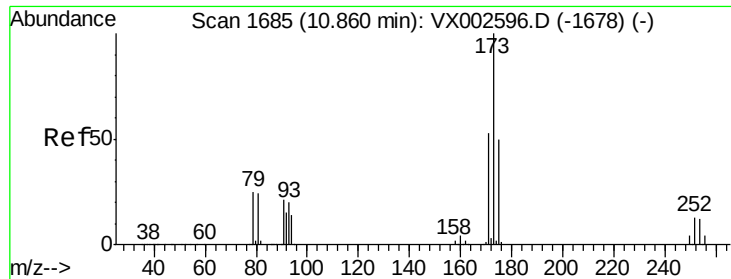
MMDadoda
6/20/2018 6:26:57 PM



#70
Styrene
Concen: 50.93 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX002731.D
Acq: 19 Jun 2018 23:24

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.8	41.0	61.6
103	56.1	44.2	66.4





#71

Bromoform

Concen: 47.26 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX002731.D

Acq: 19 Jun 2018 23:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 113972

Ion Ratio Lower Upper

173 100

175 48.1 24.7 74.1

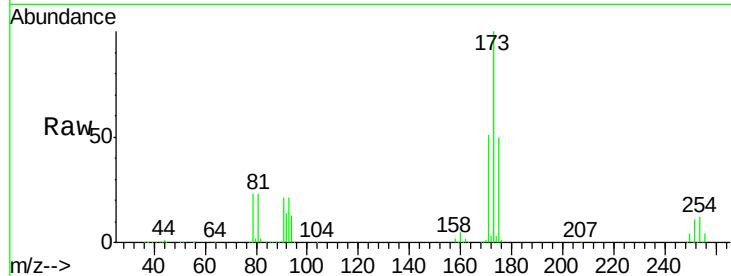
254 0.3 0.2 0.2#

Manual Integrations

APPROVED

MMDadoda

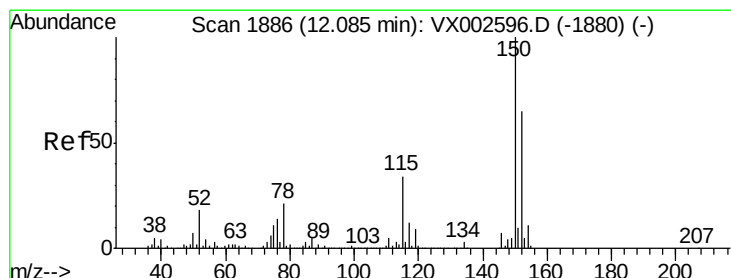
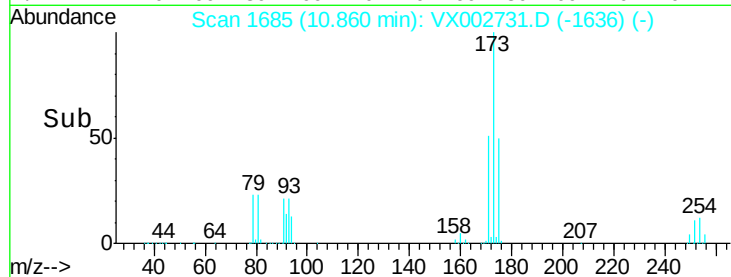
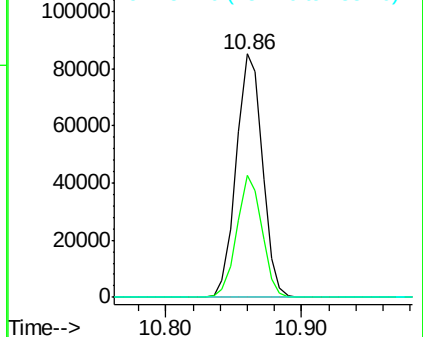
6/20/2018 6:26:57 PM



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: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX002731.D

Acq: 19 Jun 2018 23:24

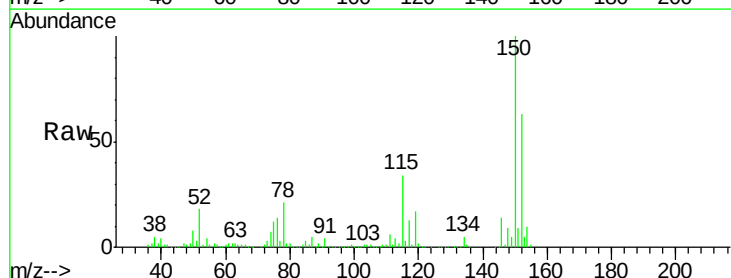
Tgt Ion:152 Resp: 205403

Ion Ratio Lower Upper

152 100

115 76.6 40.1 120.2

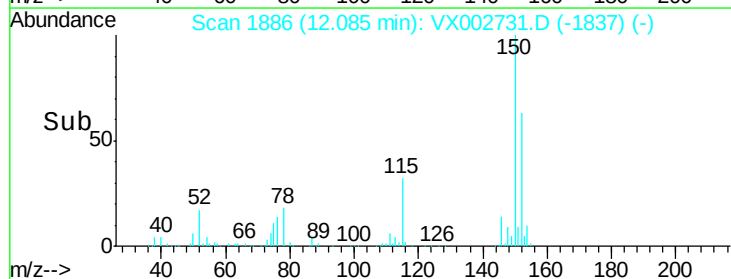
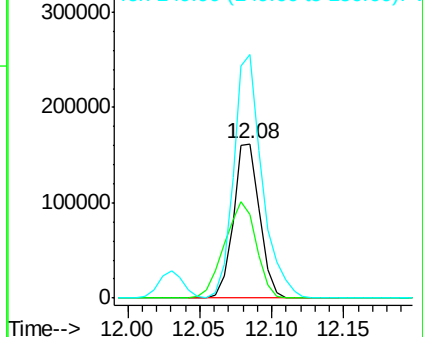
150 170.7 0.0 347.2

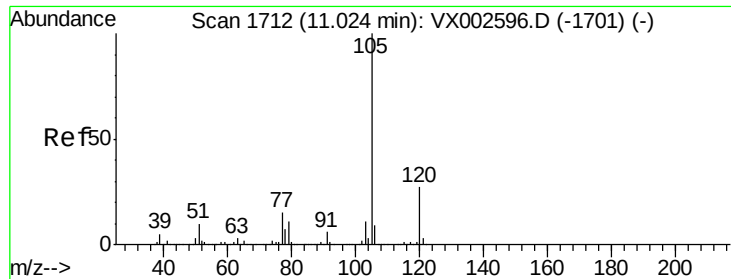


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.49 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX002731.D

Acq: 19 Jun 2018 23:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 666155

Ion Ratio Lower Upper

105 100

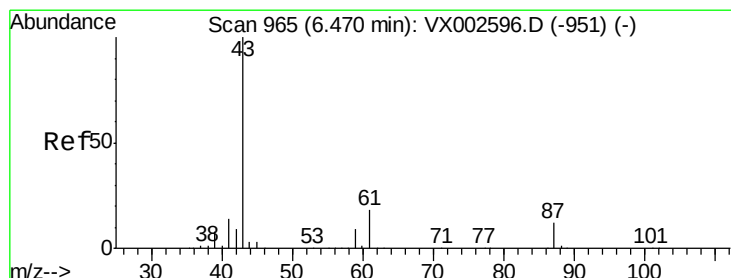
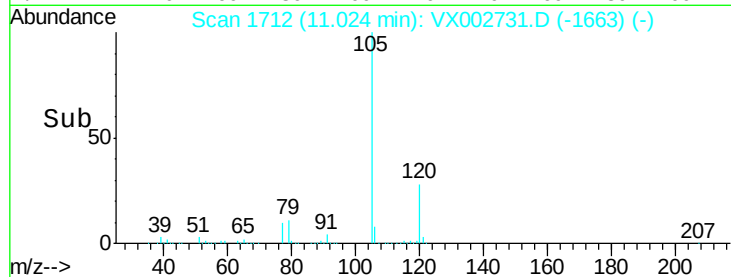
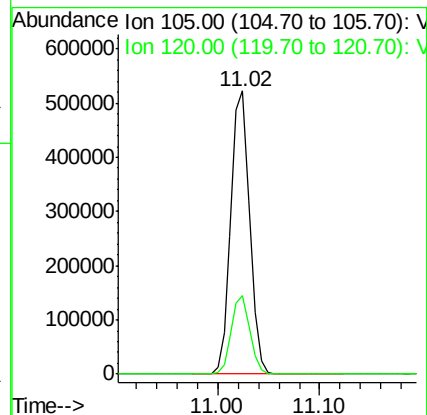
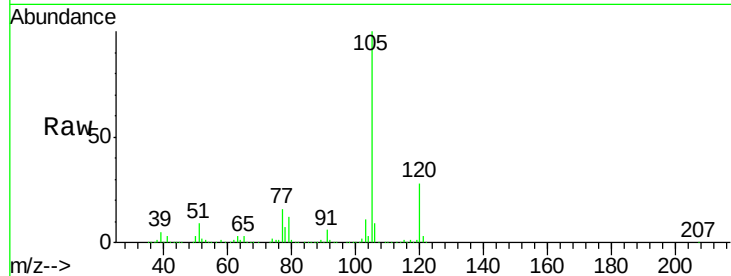
120 27.2 13.5 40.4

Manual Integrations

APPROVED

MMDadoda

6/20/2018 6:26:57 PM



#74

N-ethyl acetate

Concen: 46.62 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.01 min

Lab File: VX002731.D

Acq: 19 Jun 2018 23:24

Tgt Ion: 43 Resp: 318172

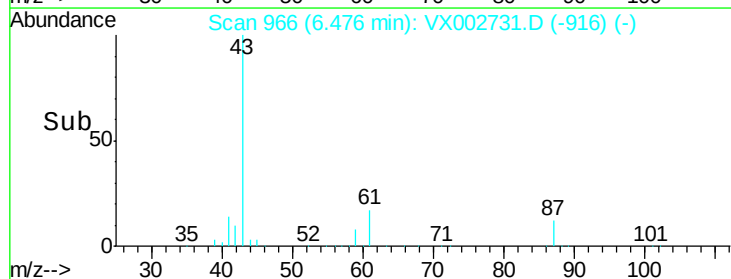
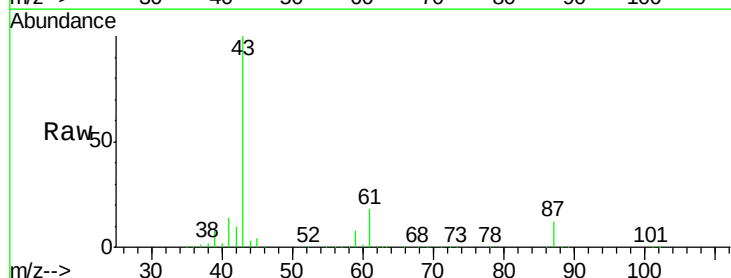
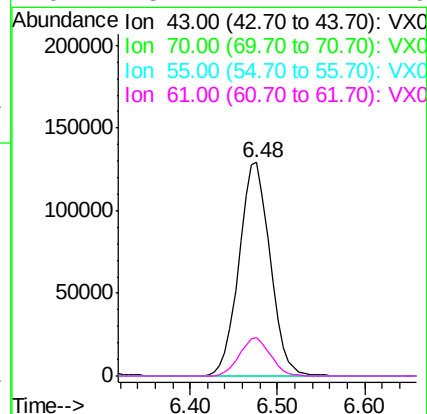
Ion Ratio Lower Upper

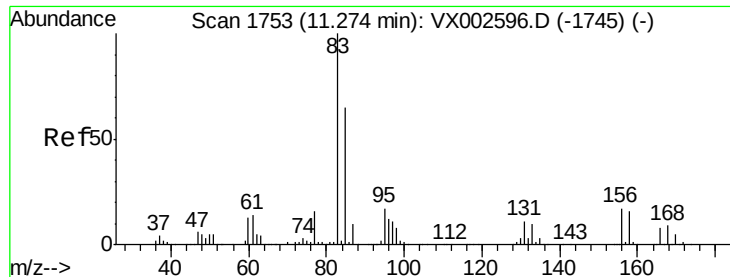
43 100

70 0.0 0.0 0.0#

55 0.1 0.0 0.0#

61 18.1 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 51.11 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX002731.D

Acq: 19 Jun 2018 23:24

Instrument :

MSVOA_X

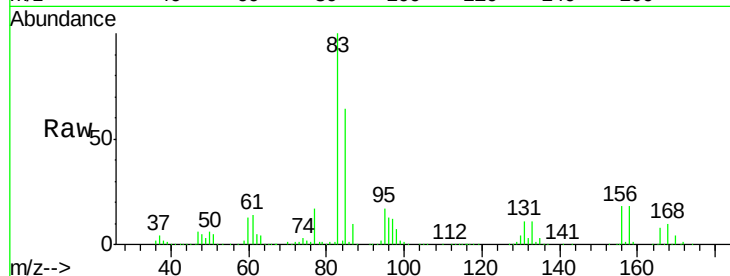
ClientSampleId :

VSTDCCC050EC

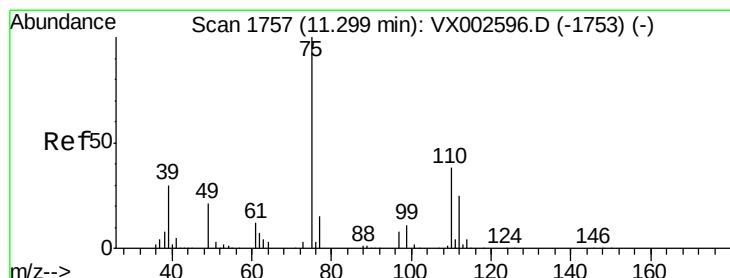
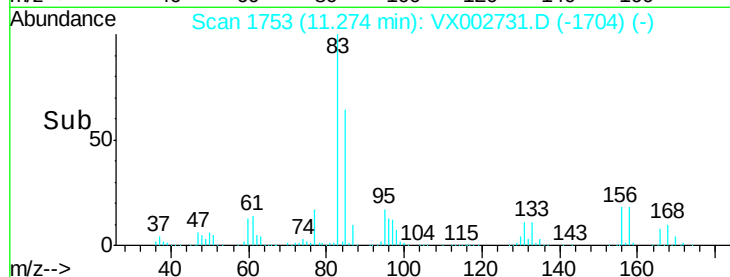
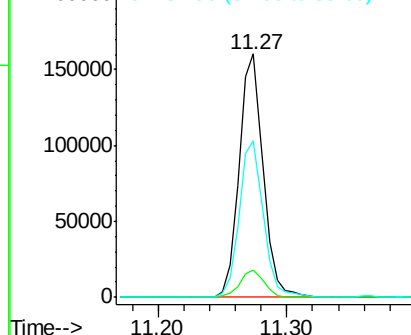
Tot Ion:	83	Resp:	207354
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.6	16.8
85	64.7	32.4	97.2

Manual Integrations
APPROVED

MMDadoda
6/20/2018 6:26:57 PM



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 51.71 ug/l m

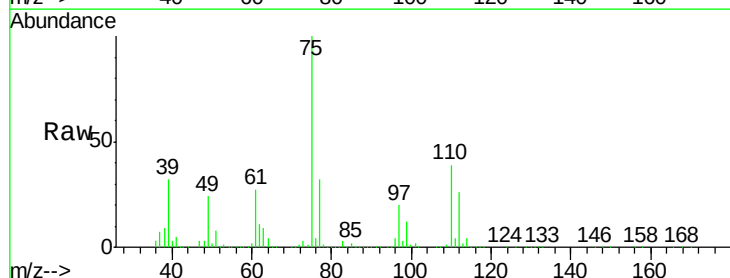
RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

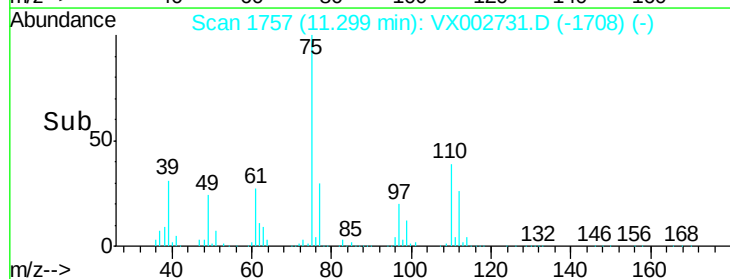
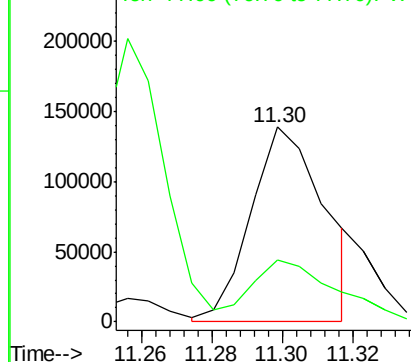
Lab File: VX002731.D

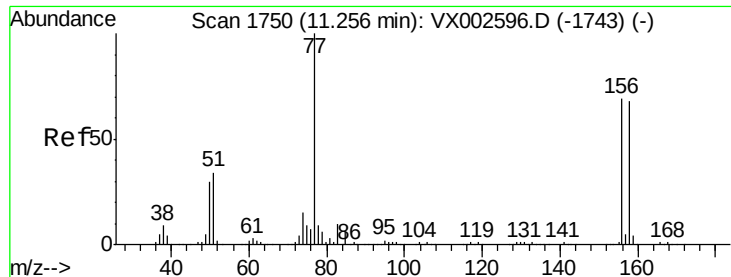
Acq: 19 Jun 2018 23:24

Tgt Ion:	75	Resp:	200415
Ion Ratio	Lower	Upper	
75	100		
77	36.8	22.8	68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 48.50 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.01 min

Lab File: VX002731.D

Acq: 19 Jun 2018 23:24

Instrument :

MSVOA_X

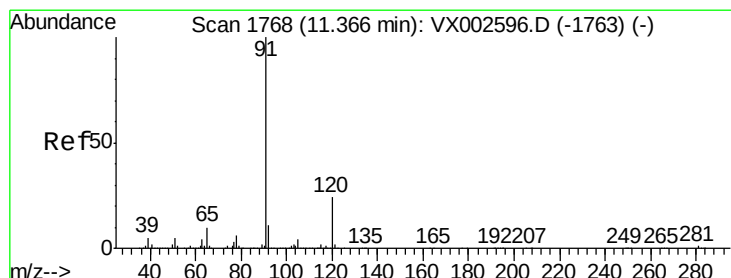
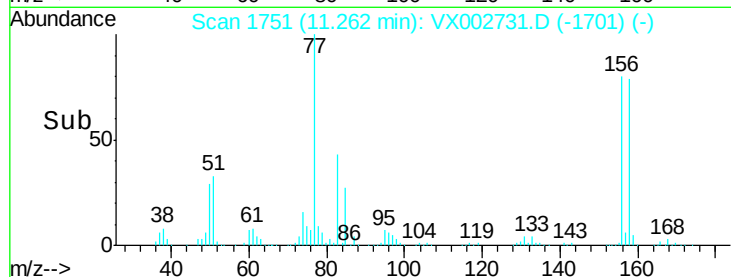
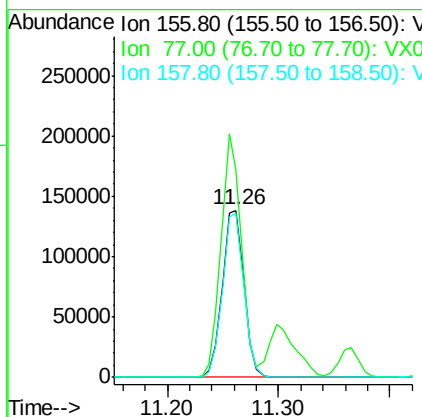
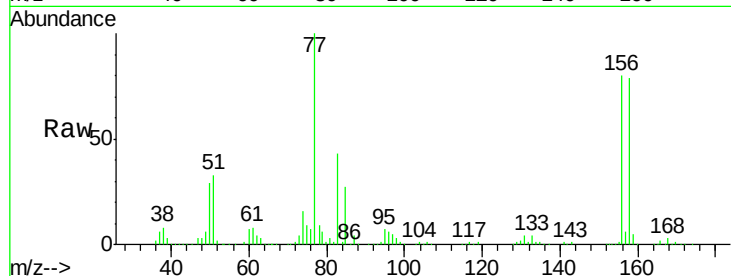
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	185603
Ion Ratio	Lower	Upper	
156	100		
77	137.6	71.4	214.2
158	97.4	48.9	146.6

Manual Integrations
APPROVED

MMDadoda
6/20/2018 6:26:57 PM



#78

n-propylbenzene

Concen: 47.83 ug/l

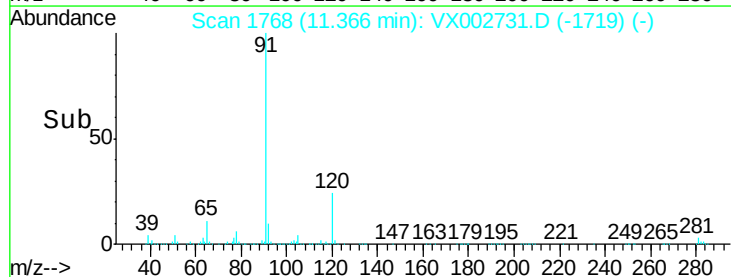
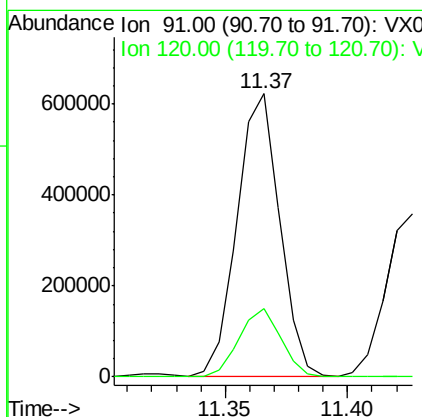
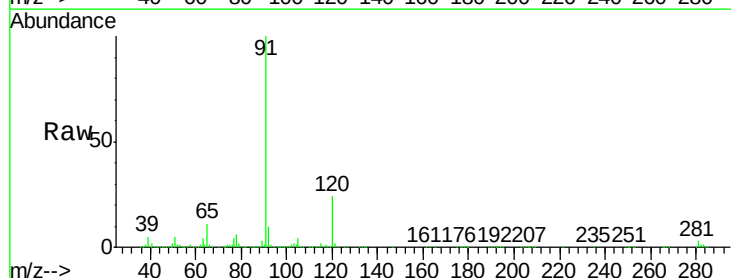
RT: 11.37 min Scan# 1768

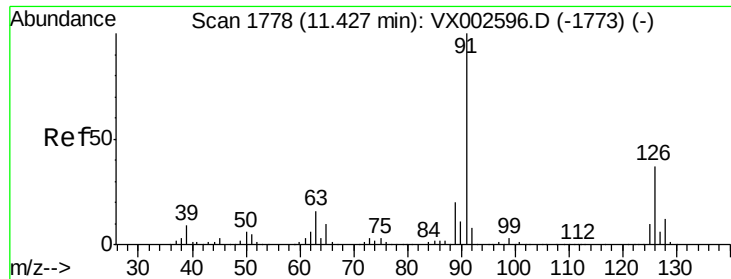
Delta R.T. 0.00 min

Lab File: VX002731.D

Acq: 19 Jun 2018 23:24

Tgt Ion:	91	Resp:	753567
Ion Ratio	Lower	Upper	
91	100		
120	23.9	11.8	35.4





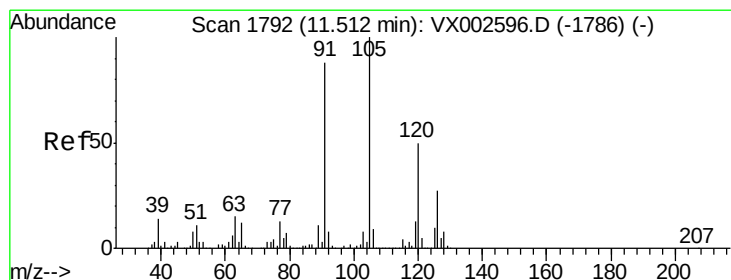
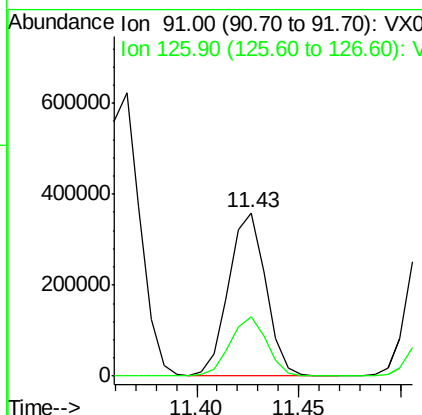
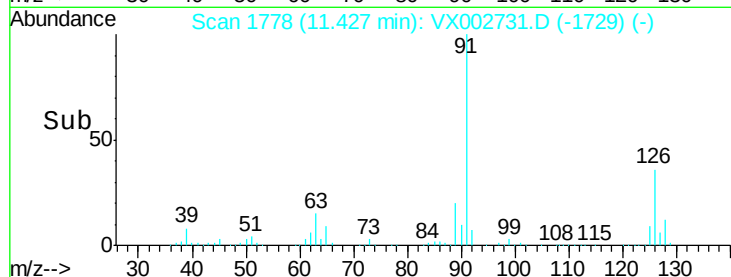
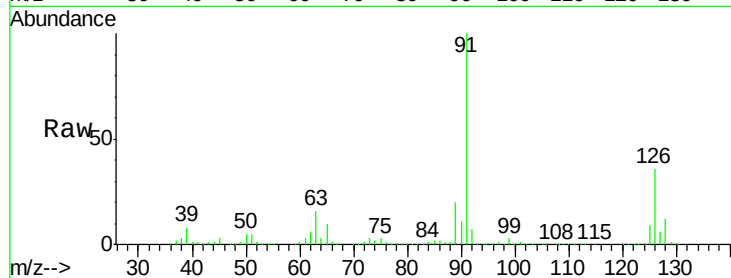
#79
2-Chlorotoluene
Concen: 47.93 ug/l
RT: 11.43 min Scan# 1778
Delta R.T. 0.00 min
Lab File: VX002731.D
Acq: 19 Jun 2018 23:24

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050EC

Tot Ion: 91 Resp: 450894
Ion Ratio Lower Upper
91 100
126 35.9 17.7 53.1

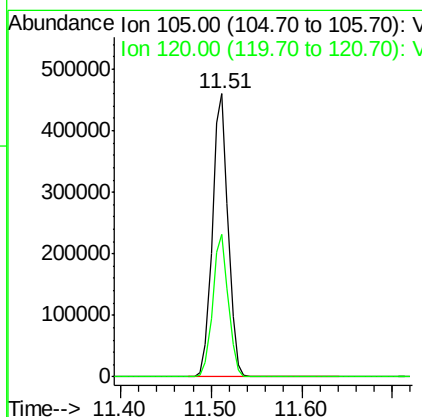
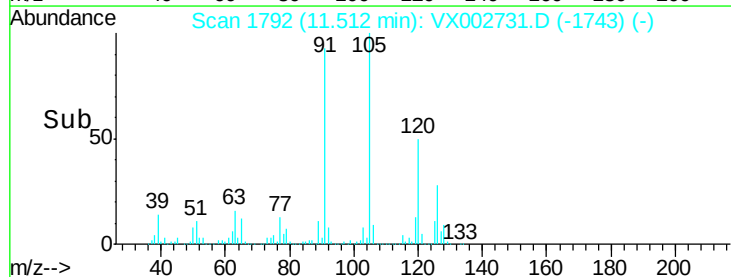
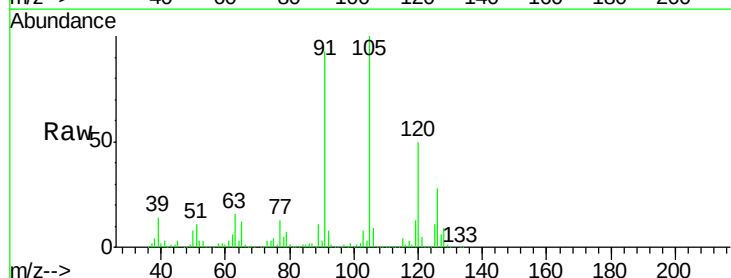
Manual Integrations
APPROVED

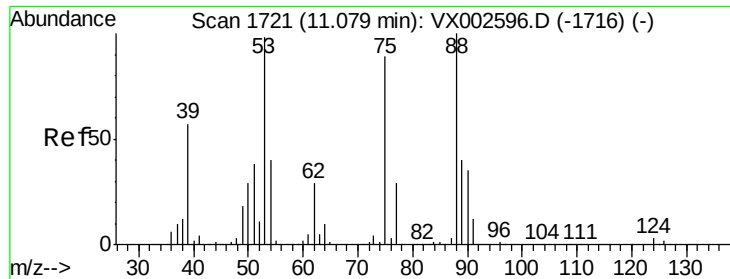
MMDadoda
6/20/2018 6:26:57 PM



#80
1,3,5-Trimethylbenzene
Concen: 48.54 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX002731.D
Acq: 19 Jun 2018 23:24

Tgt Ion: 105 Resp: 563477
Ion Ratio Lower Upper
105 100
120 49.6 24.4 73.4





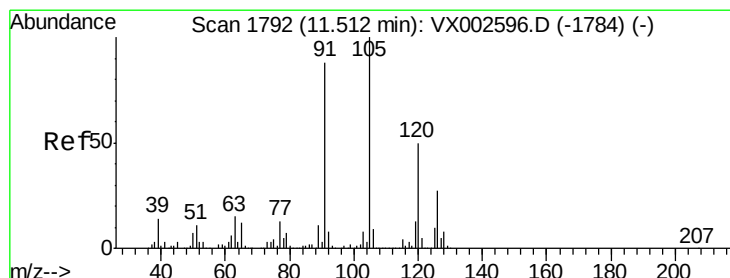
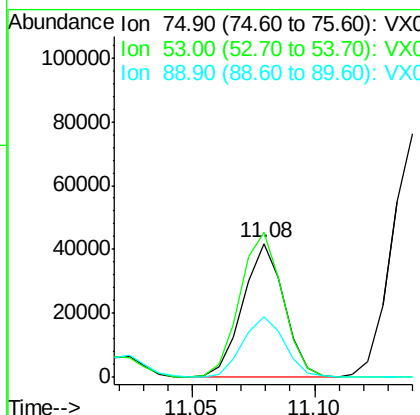
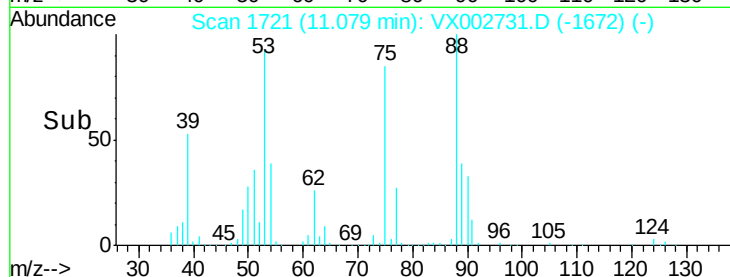
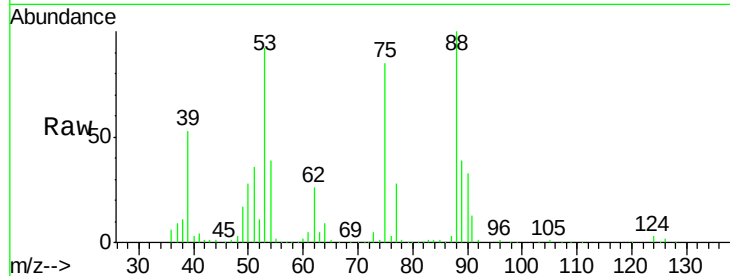
#81
trans-1,4-Dichloro-2-butene
Concen: 41.49 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX002731.D
Acq: 19 Jun 2018 23:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	111.4	86.8	130.2
89	46.7	38.2	57.2

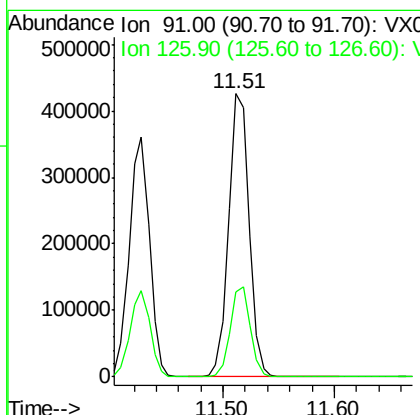
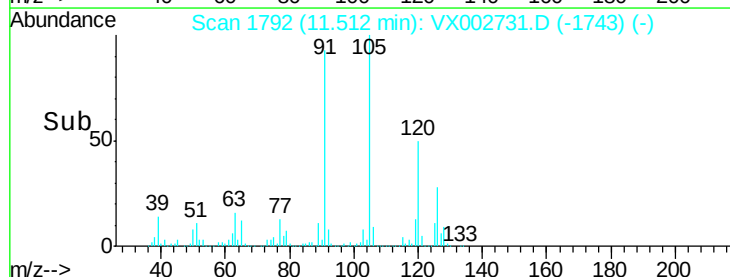
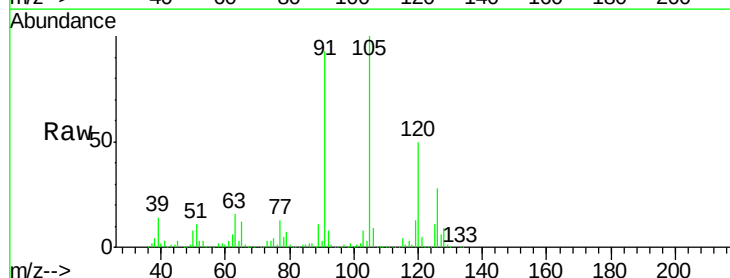
Manual Integrations
APPROVED

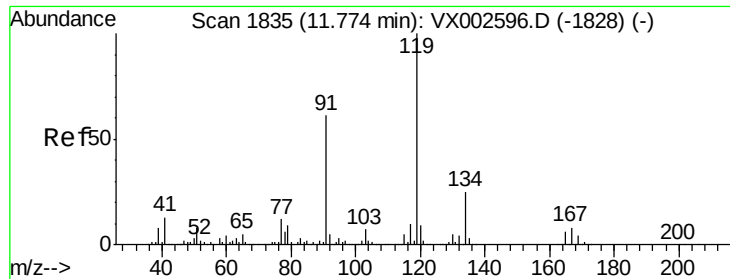
MMDadoda
6/20/2018 6:26:57 PM



#82
4-Chlorotoluene
Concen: 48.71 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX002731.D
Acq: 19 Jun 2018 23:24

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.4	46.4





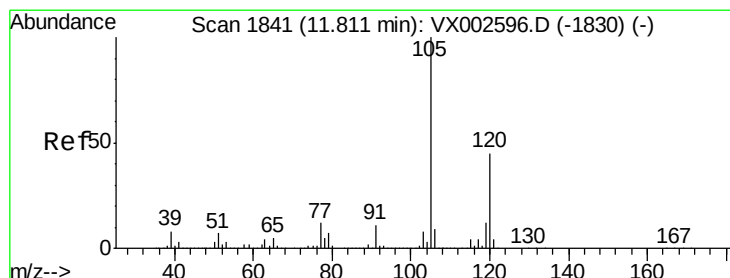
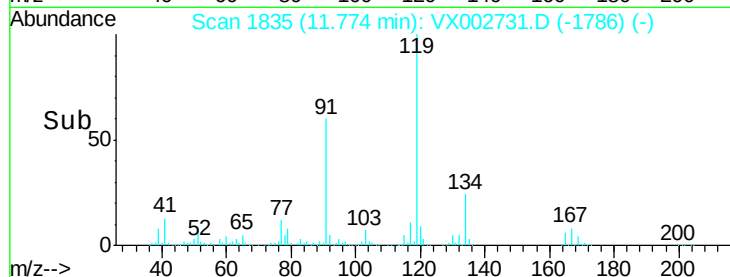
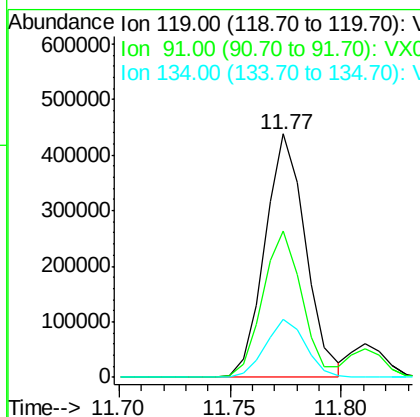
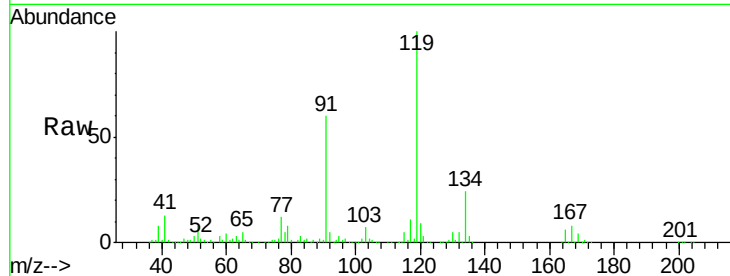
#83
 tert-Butylbenzene
 Concen: 49.68 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX002731.D
 Acq: 19 Jun 2018 23:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.6	30.3	90.9
134	23.5	11.7	35.1

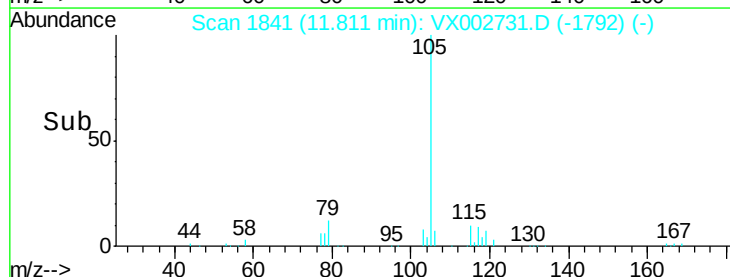
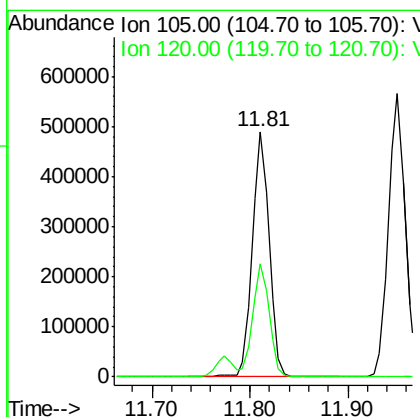
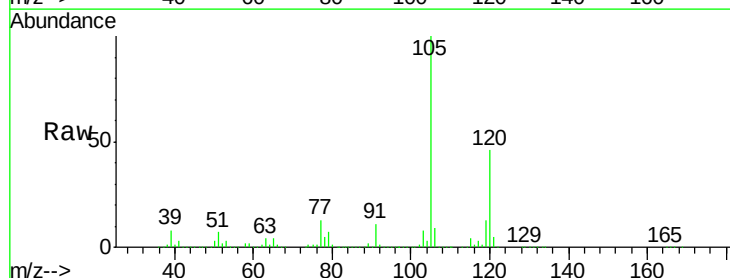
Manual Integrations
 APPROVED

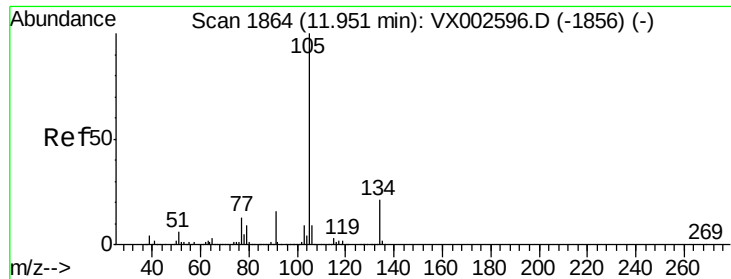
MMDadoda
 6/20/2018 6:26:57 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 49.41 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX002731.D
 Acq: 19 Jun 2018 23:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.3	66.8





#85

sec-Butylbenzene

Concen: 48.36 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002731.D

Acq: 19 Jun 2018 23:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 672556

Ion Ratio Lower Upper

105 100

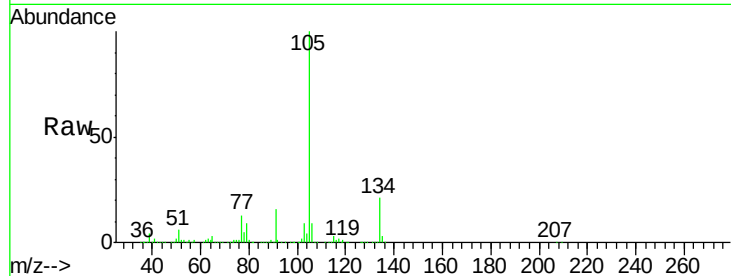
134 20.9 10.4 31.1

Manual Integrations

APPROVED

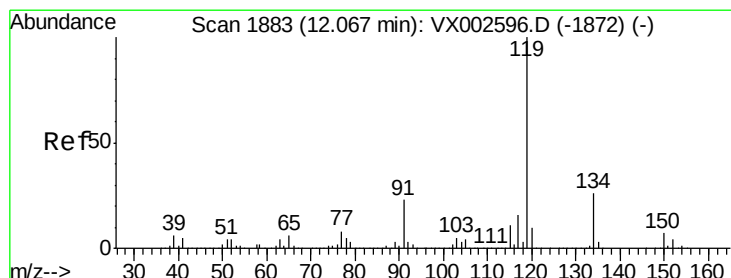
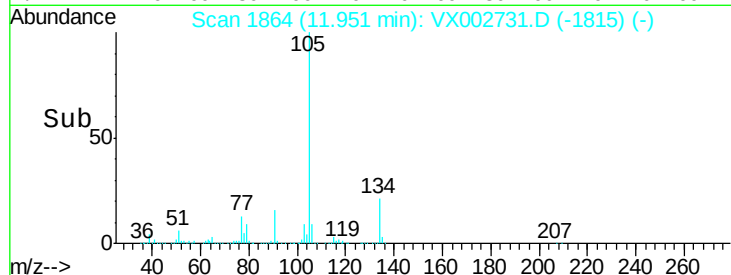
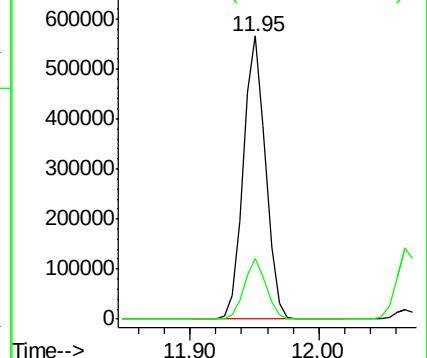
MMDadoda

6/20/2018 6:26:57 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.54 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002731.D

Acq: 19 Jun 2018 23:24

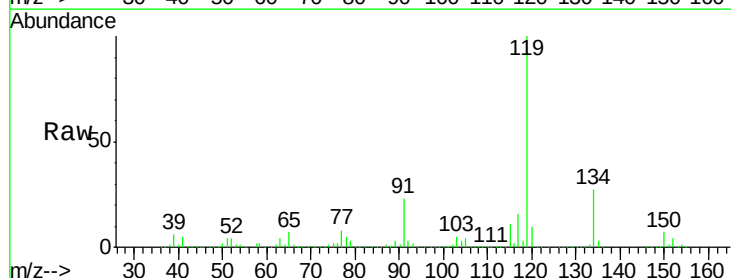
Tgt Ion:119 Resp: 610784

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

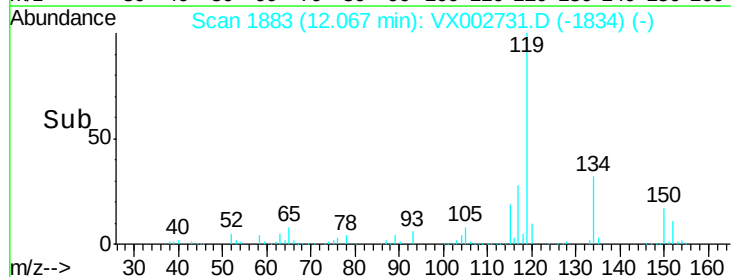
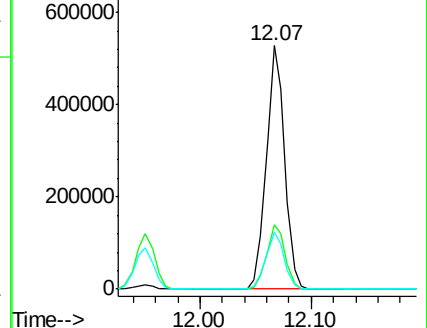
91 23.6 11.9 35.7

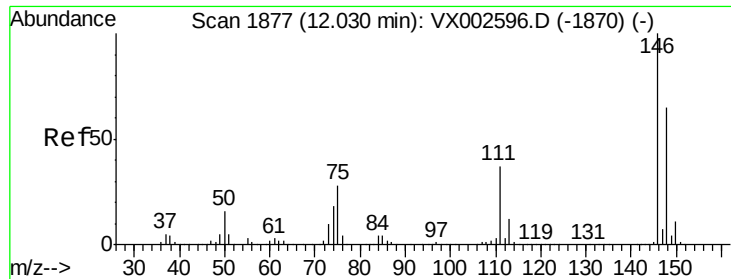


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





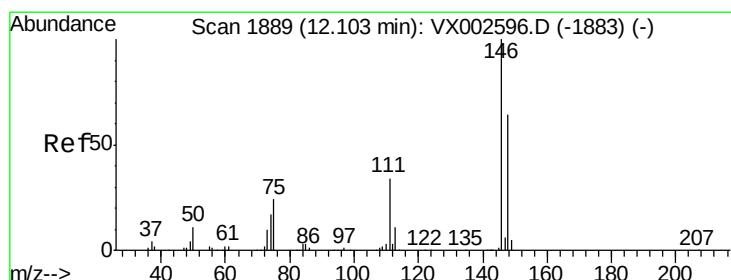
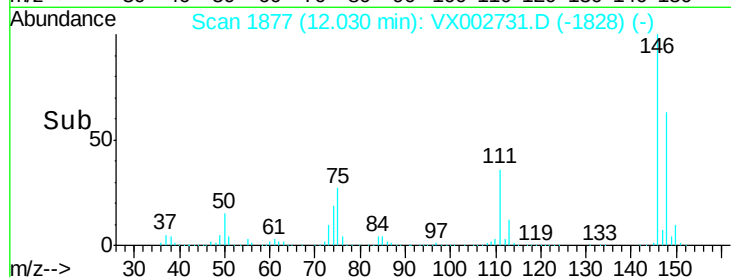
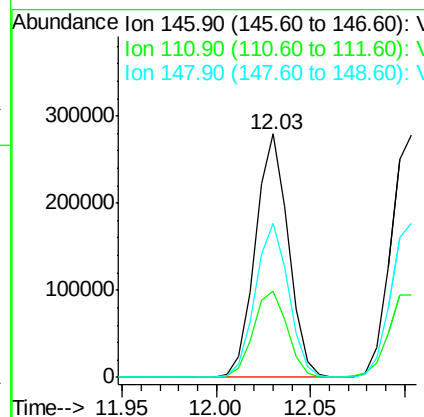
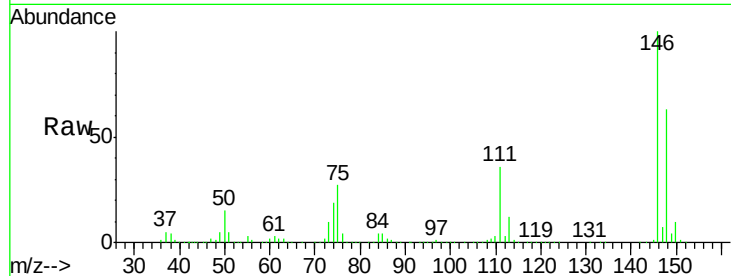
#87
 1,3-Dichlorobenzene
 Concen: 48.16 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX002731.D
 Acq: 19 Jun 2018 23:24

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.9	56.7
148	64.2	32.1	96.3

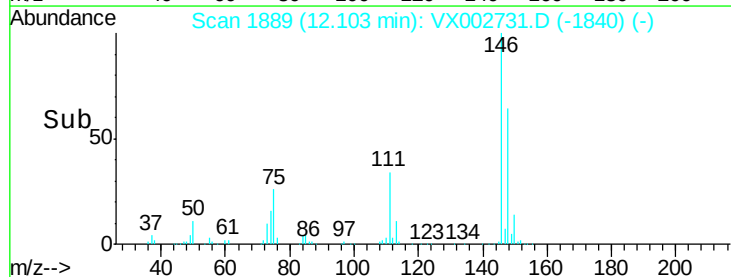
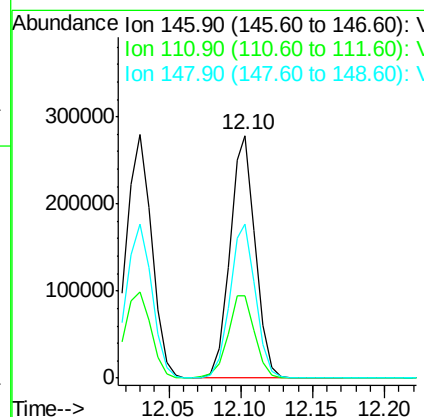
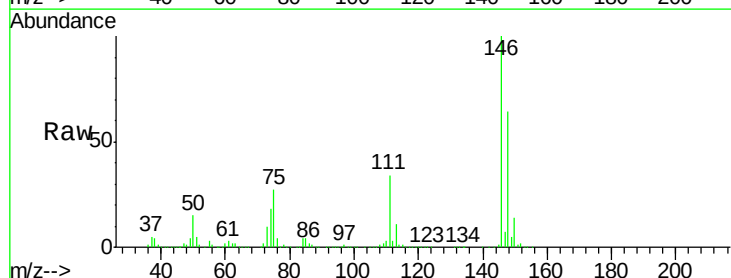
Manual Integrations
 APPROVED

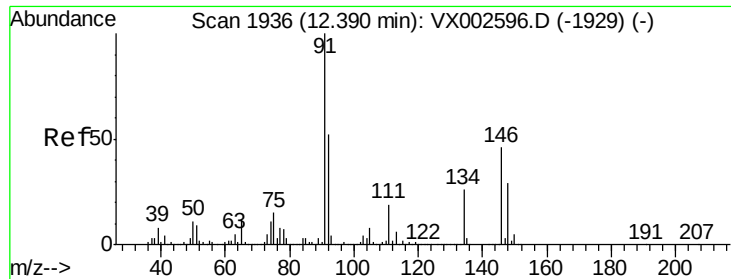
MMDadoda
 6/20/2018 6:26:57 PM



#88
 1,4-Dichlorobenzene
 Concen: 48.20 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX002731.D
 Acq: 19 Jun 2018 23:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.7	56.1
148	64.3	32.4	97.0





#89

n-Butylbenzene

Concen: 46.98 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VX002731.D

Acq: 19 Jun 2018 23:24

Instrument :

MSVOA_X

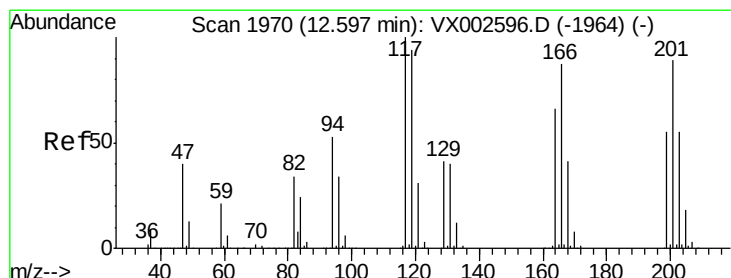
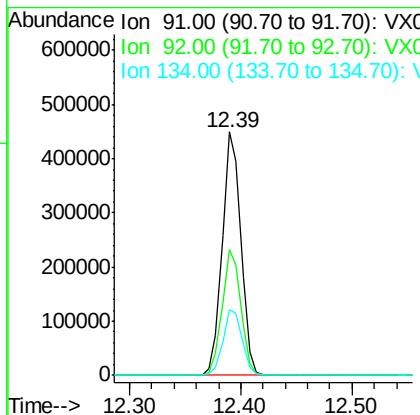
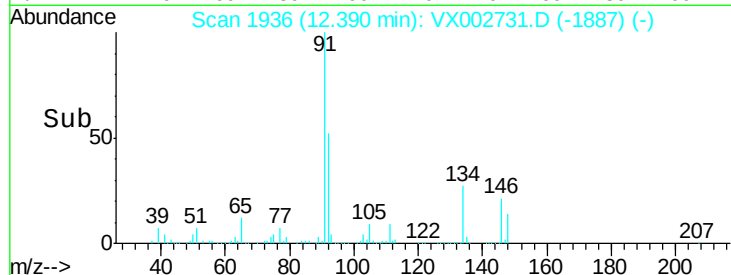
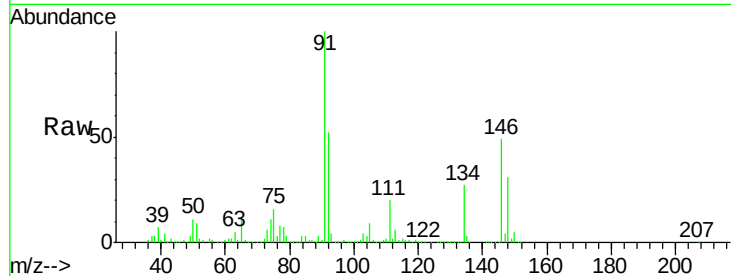
ClientSampleId :

VSTDCCC050EC

Tot Ion:	91	Resp:	521501
Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.0	78.0
134	27.6	13.5	40.5

Manual Integrations
APPROVED

MMDadoda
6/20/2018 6:26:57 PM



#90

Hexachloroethane

Concen: 45.26 ug/l

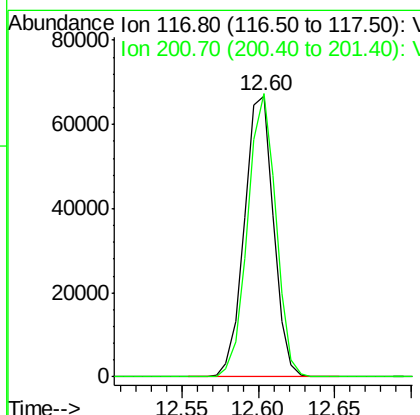
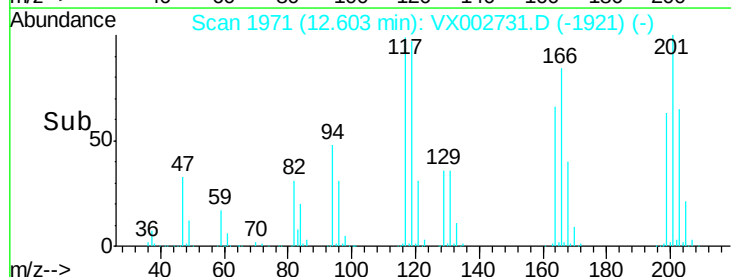
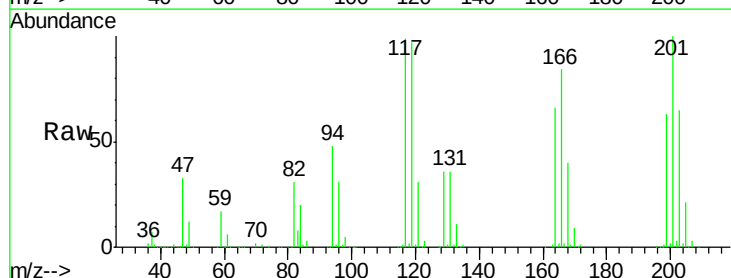
RT: 12.60 min Scan# 1971

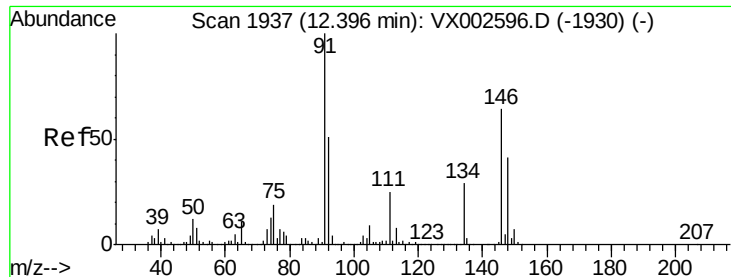
Delta R.T. 0.01 min

Lab File: VX002731.D

Acq: 19 Jun 2018 23:24

Tgt Ion:	117	Resp:	88250
Ion	Ratio	Lower	Upper
117	100		
201	97.4	49.0	147.0





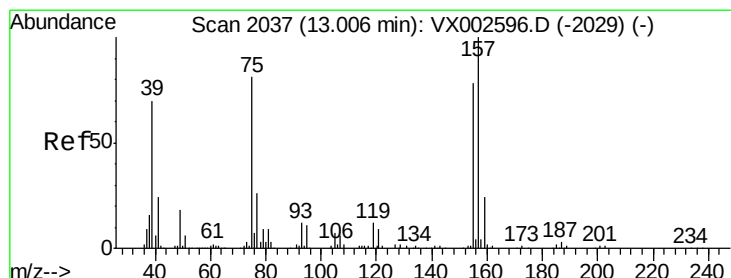
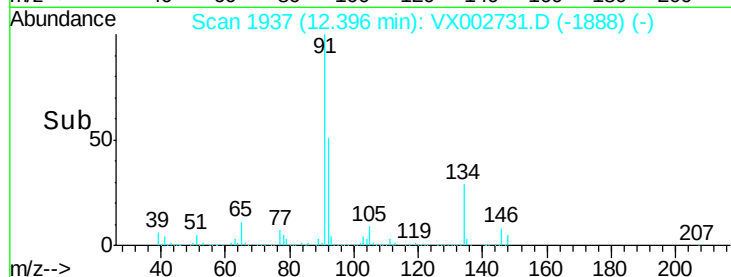
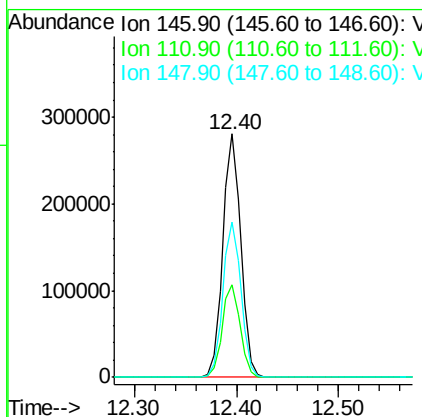
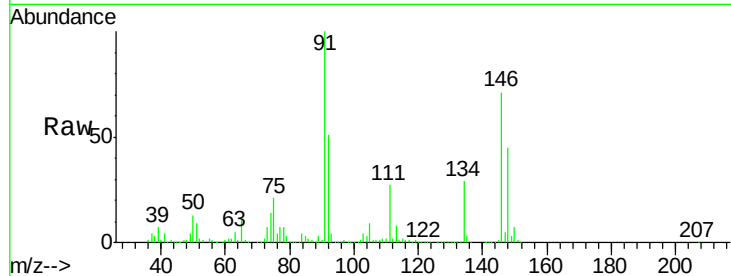
#91
 1,2-Dichlorobenzene
 Concen: 48.82 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX002731.D
 Acq: 19 Jun 2018 23:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	344893		
111	38.1	19.4	58.1	
148	64.3	31.7	95.1	

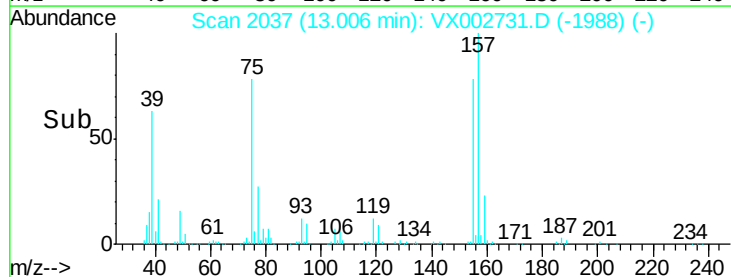
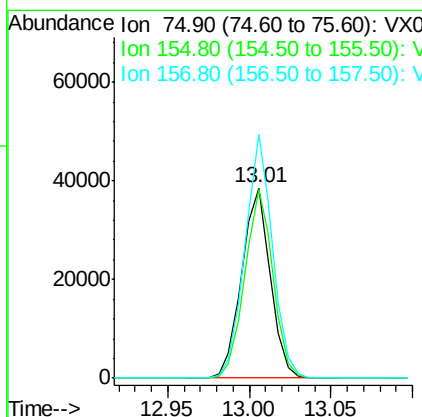
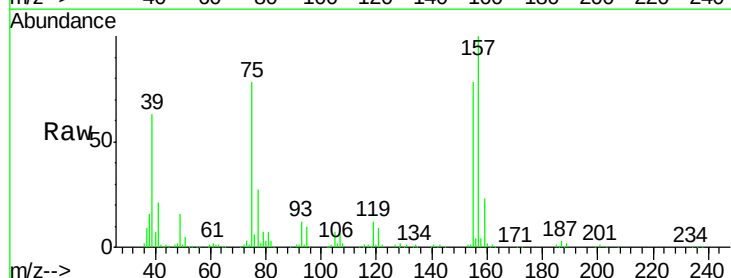
Manual Integrations
 APPROVED

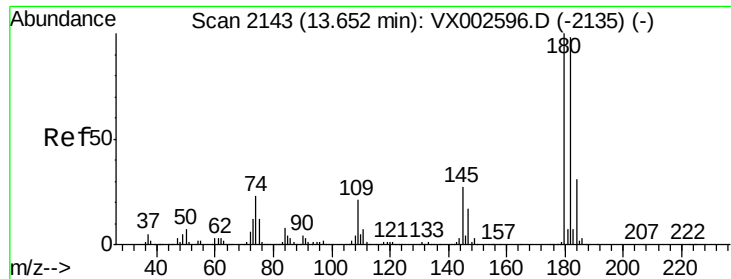
MMDadoda
 6/20/2018 6:26:57 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.44 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX002731.D
 Acq: 19 Jun 2018 23:24

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	47108		
155	97.9	45.8	137.4	
157	124.0	60.1	180.3	





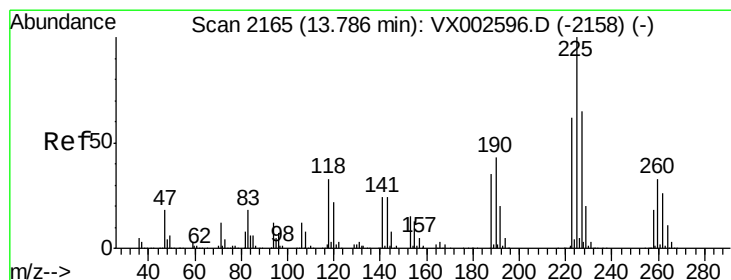
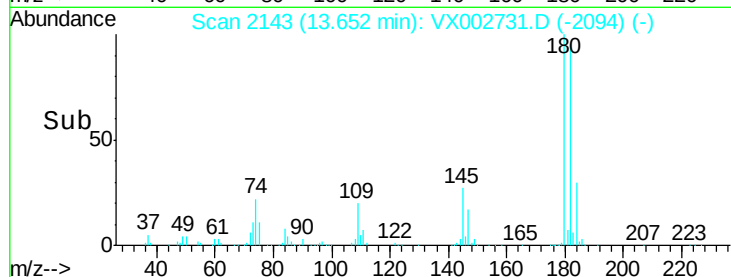
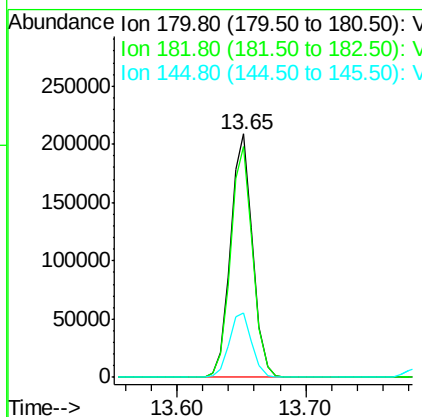
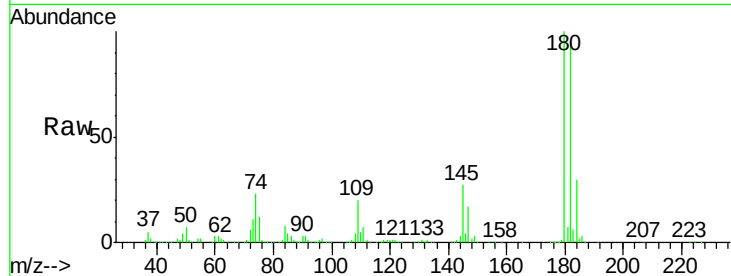
#93
 1,2,4-Trichlorobenzene
 Concen: 48.68 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX002731.D
 Acq: 19 Jun 2018 23:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.7	143.1
145	27.3	14.1	42.4

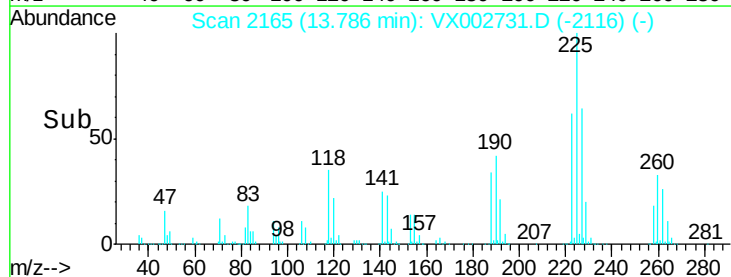
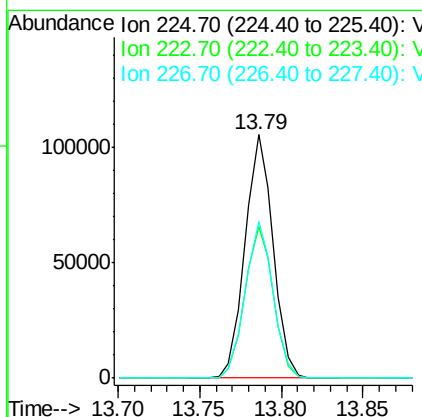
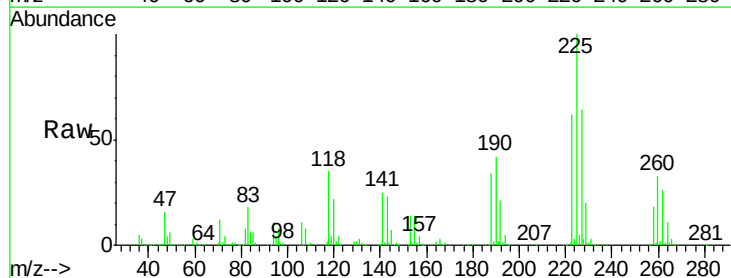
Manual Integrations
 APPROVED

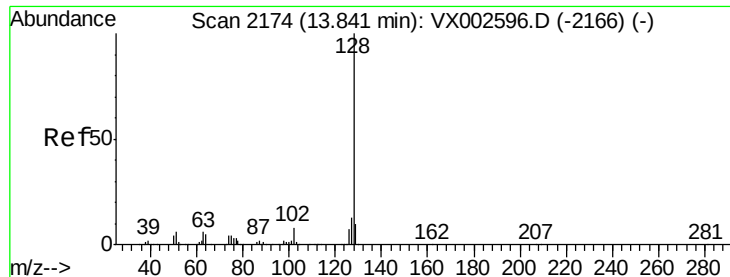
MMDadoda
 6/20/2018 6:26:57 PM



#94
 Hexachlorobutadiene
 Concen: 46.89 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX002731.D
 Acq: 19 Jun 2018 23:24

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.6	95.0
227	63.9	32.4	97.2





#95

Naphthalene

Concen: 52.55 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX002731.D

Acq: 19 Jun 2018 23:24

Instrument :

MSVOA_X

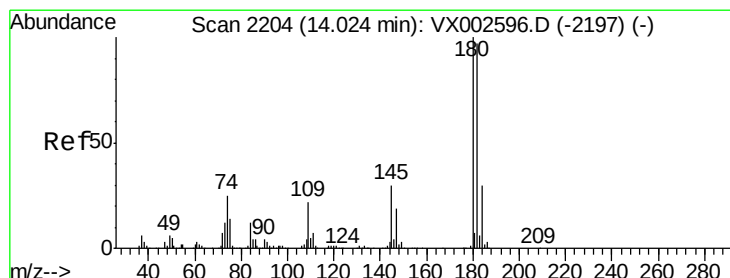
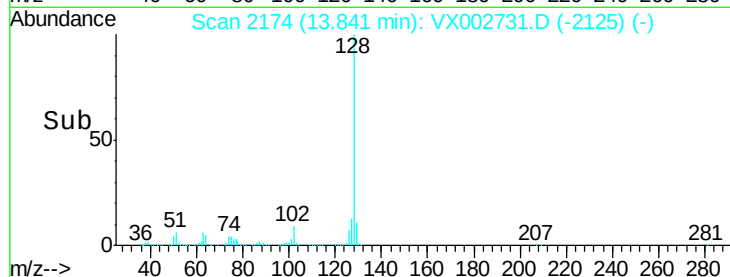
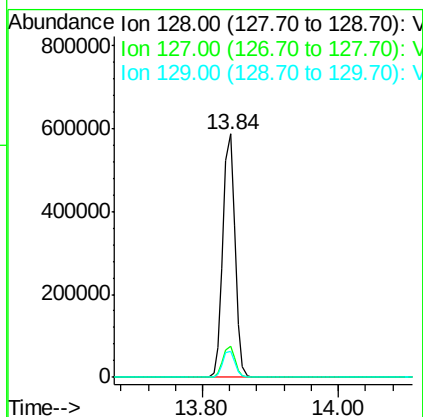
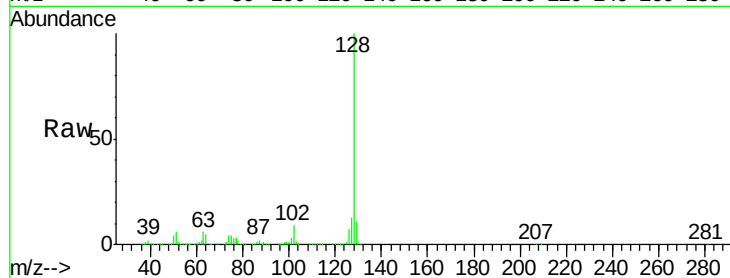
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	724988
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/20/2018 6:26:57 PM



#96

1,2,3-Trichlorobenzene

Concen: 49.18 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX002731.D

Acq: 19 Jun 2018 23:24

Tgt Ion:	180	Resp:	253258
Ion Ratio	Lower	Upper	
180	100		
182	96.5	48.0	144.0
145	29.7	14.8	44.3

