

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061918\
 Data File : VX002730.D
 Acq On : 19 Jun 2018 22:57
 Operator : JC/MD
 Sample : VX0619WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0619WBSD01

Manual Integrations
 APPROVED

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

Quant Time: Jun 20 02:18:22 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	227275	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	321429	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	308446	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	186283	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	151884	43.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.96%	
35) Dibromofluoromethane	5.51	113	121048	47.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.38%	
50) Toluene-d8	8.72	98	439792	45.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.30%	
62) 4-Bromofluorobenzene	11.14	95	163533	44.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	48443	20.08	ug/l	96
3) Chloromethane	1.32	50	50786	17.69	ug/l	97
4) Vinyl Chloride	1.40	62	55442	18.62	ug/l	96
5) Bromomethane	1.64	94	27244	15.16	ug/l	97
6) Chloroethane	1.72	64	38515	19.62	ug/l	98
7) Trichlorofluoromethane	1.93	101	96846	20.01	ug/l	97
8) Diethyl Ether	2.19	74	33615	18.26	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	53766	19.88	ug/l	99
10) Methyl Iodide	2.51	142	41265	15.31	ug/l	97
11) Tert butyl alcohol	3.08	59	72785	101.94	ug/l	97
12) 1,1-Dichloroethene	2.37	96	48781	19.21	ug/l	98
13) Acrolein	2.30	56	43563	133.44	ug/l	99
14) Allyl chloride	2.73	41	91319	18.11	ug/l	99
15) Acrylonitrile	3.15	53	152157	97.66	ug/l	99
16) Acetone	2.45	43	145707	95.62	ug/l	99
17) Carbon Disulfide	2.57	76	122237	20.29	ug/l	100
18) Methyl Acetate	2.78	43	81449	20.06	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	173374	18.20	ug/l	99
20) Methylene Chloride	2.86	84	53710	17.19	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	51185	18.58	ug/l	99
22) Diisopropyl ether	3.88	45	169407	18.57	ug/l	99
23) Vinyl Acetate	3.83	43	718776	94.14	ug/l	99
24) 1,1-Dichloroethane	3.70	63	100388	20.28	ug/l	99
25) 2-Butanone	4.71	43	204473	102.18	ug/l	99
26) 2,2-Dichloropropane	4.59	77	50118	14.09	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	54460	19.43	ug/l	93
28) Bromochloromethane	5.03	49	41806	18.03	ug/l	96
29) Tetrahydrofuran	5.17	42	132480	101.02	ug/l	97
30) Chloroform	5.22	83	94875	19.87	ug/l	97
31) Cyclohexane	5.58	56	77665	19.05	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	82123	20.57	ug/l	99
36) 1,1-Dichloropropene	5.81	75	66213	19.40	ug/l	96
37) Ethyl Acetate	4.87	43	78673	20.36	ug/l	99
38) Carbon Tetrachloride	5.79	117	72511	21.33	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061918\
 Data File : VX002730.D
 Acq On : 19 Jun 2018 22:57
 Operator : JC/MD
 Sample : VX0619WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0619WBSD01

Manual Integrations
 APPROVED

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

Quant Time: Jun 20 02:18:22 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	76692	19.22	ug/l	98
40) Benzene	6.15	78	204089	19.94	ug/l	99
41) Methacrylonitrile	5.07	41	44348	20.33	ug/l	98
42) 1,2-Dichloroethane	6.20	62	79917	20.17	ug/l	99
43) Isopropyl Acetate	6.47	43	124824	19.50	ug/l	99
44) Trichloroethene	7.21	130	58978	19.96	ug/l	100
45) 1,2-Dichloropropane	7.52	63	52502	19.49	ug/l	98
46) Dibromomethane	7.66	93	36855	20.45	ug/l	98
47) Bromodichloromethane	7.90	83	66034	20.78	ug/l	98
48) Methyl methacrylate	7.78	41	64511	19.72	ug/l	97
49) 1,4-Dioxane	7.76	88	26291	424.37	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	424443	103.26	ug/l	99
52) Toluene	8.79	92	130970	20.06	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	71544	18.58	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	64639	18.28	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	53694	20.35	ug/l	98
56) Ethyl methacrylate	9.19	69	78325	19.29	ug/l	98
57) 1,3-Dichloropropane	9.38	76	88720	19.88	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	176411	89.83	ug/l	99
59) 2-Hexanone	9.50	43	322735	104.20	ug/l	99
60) Dibromochloromethane	9.59	129	52916	20.25	ug/l	98
61) 1,2-Dibromoethane	9.68	107	57249	20.95	ug/l	100
64) Tetrachloroethene	9.34	164	66241	19.35	ug/l	99
65) Chlorobenzene	10.14	112	153596	20.28	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	53994	20.91	ug/l	99
67) Ethyl Benzene	10.26	91	251865	19.71	ug/l	99
68) m/p-Xylenes	10.37	106	196303	39.83	ug/l	99
69) o-Xylene	10.70	106	94076	19.43	ug/l	100
70) Styrene	10.71	104	156251	19.62	ug/l	99
71) Bromoform	10.86	173	39575	20.04	ug/l #	99
73) Isopropylbenzene	11.02	105	256951	20.62	ug/l	100
74) N-amyl acetate	6.47	43	124824	20.17	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	81334	22.11	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	76537m	21.77	ug/l	
77) Bromobenzene	11.26	156	72606	20.92	ug/l	97
78) n-propylbenzene	11.37	91	289107	20.23	ug/l	99
79) 2-Chlorotoluene	11.43	91	172843	20.26	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	217076	20.62	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	16071	17.59	ug/l	90
82) 4-Chlorotoluene	11.51	91	203361	20.20	ug/l	100
83) tert-Butylbenzene	11.77	119	208339	20.54	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	220201	20.50	ug/l	98
85) sec-Butylbenzene	11.95	105	254507	20.18	ug/l	99
86) p-Isopropyltoluene	12.07	119	229089	20.08	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	128031	20.11	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	130116	20.09	ug/l	99
89) n-Butylbenzene	12.39	91	191906	19.06	ug/l	99
90) Hexachloroethane	12.60	117	29709	18.45	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	131932	20.59	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	17469	22.67	ug/l	97

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX061918\
Data File : VX002730.D
Acq On : 19 Jun 2018 22:57
Operator : JC/MD
Sample : VX0619WBSD01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0619WBSD01

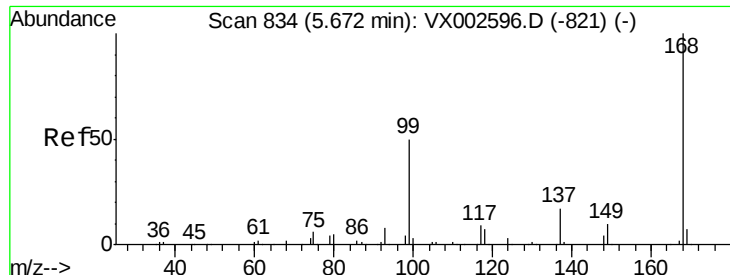
Manual Integrations
APPROVED

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

Quant Time: Jun 20 02:18:22 2018
Quant Method : Z:\V0ASRV\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	91427	19.66	ug/l	99
94) Hexachlorobutadiene	13.79	225	46125	18.83	ug/l	100
95) Naphthalene	13.84	128	262630	20.99	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	96071	20.57	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

Instrument :

MSVOA_X

ClientSampleId :

VX0619WBSD01

Tot Ion:168 Resp: 227275

Ion Ratio Lower Upper

168 100

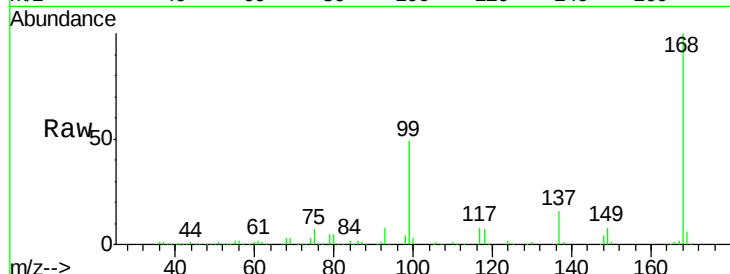
99 48.5 39.3 58.9

Manual Integrations

APPROVED

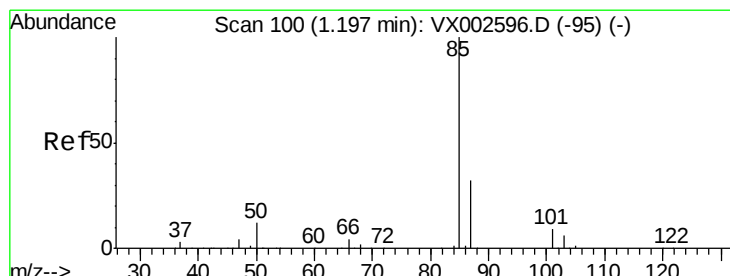
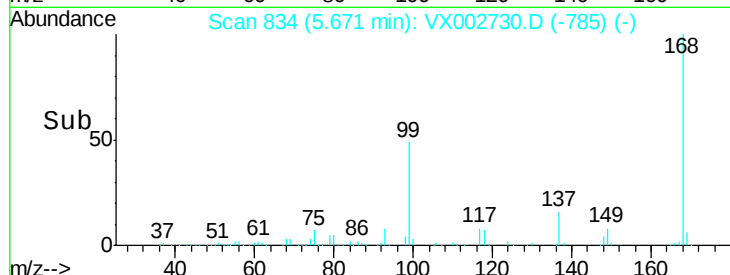
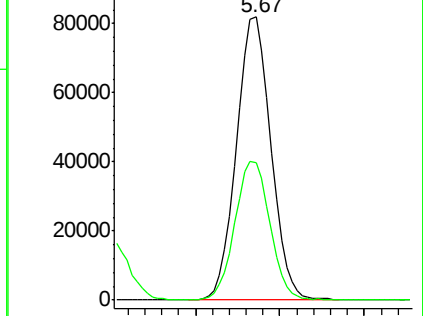
MMDadoda

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: 20.08 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002730.D

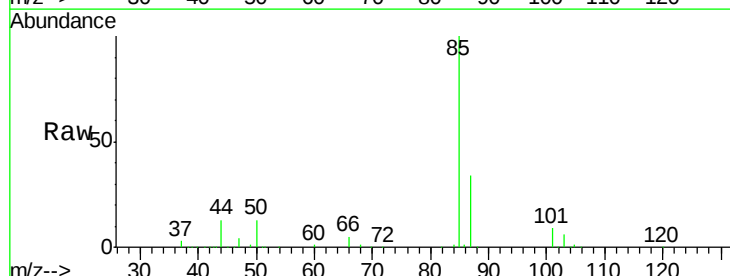
Acq: 19 Jun 2018 22:57

Tgt Ion: 85 Resp: 48443

Ion Ratio Lower Upper

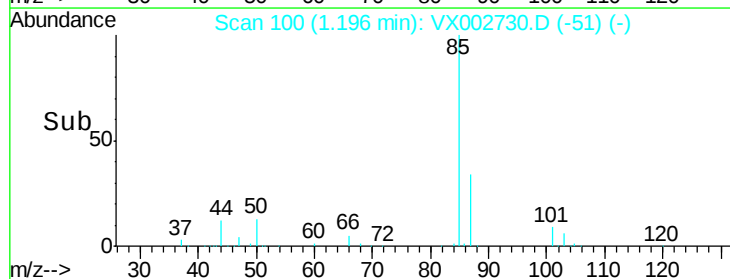
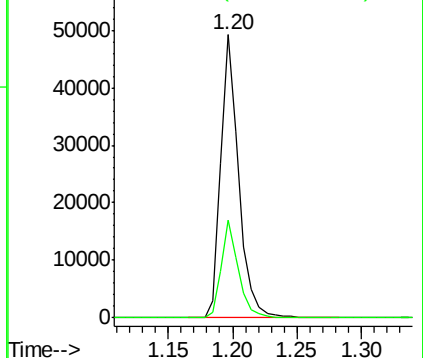
85 100

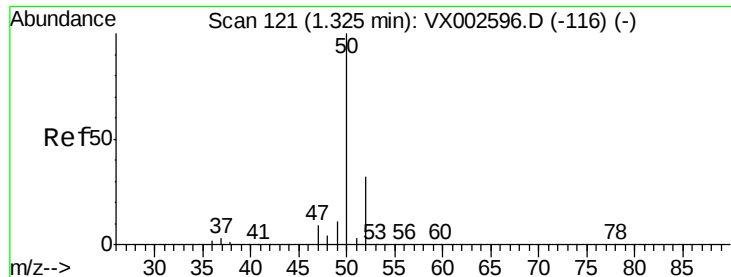
87 34.4 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 17.69 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

Instrument :

MSVOA_X

ClientSampleId :

VX0619WBSD01

Tot Ion: 50 Resp: 50786

Ion Ratio Lower Upper

50 100

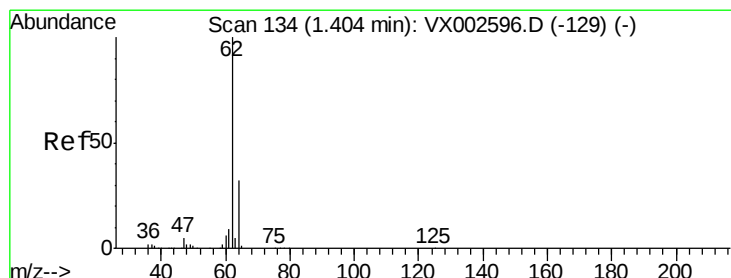
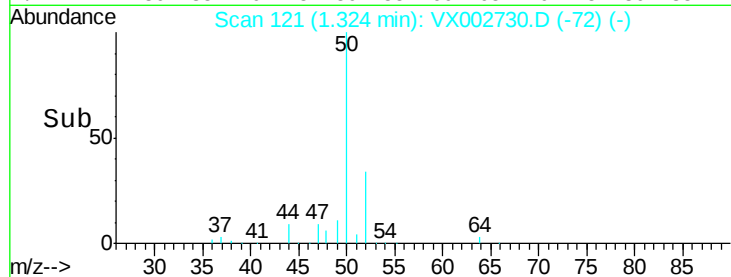
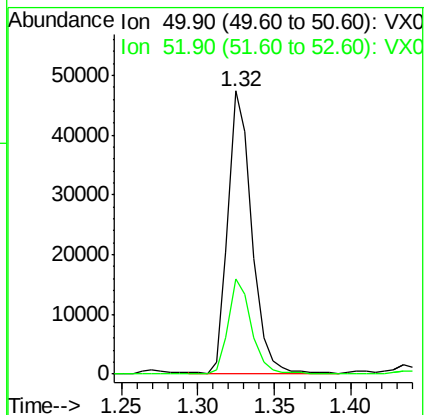
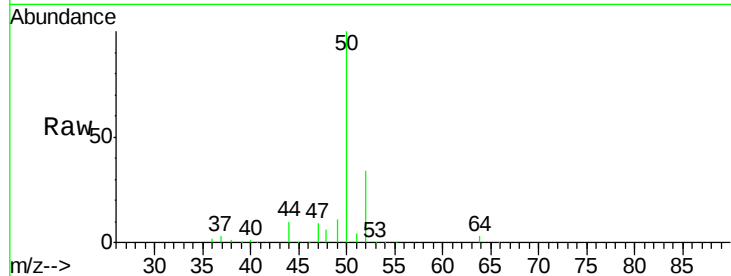
52 33.7 25.7 38.5

Manual Integrations

APPROVED

MMDadoda

6/20/2018 6:26:57 PM



#4

Vinyl Chloride

Concen: 18.62 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX002730.D

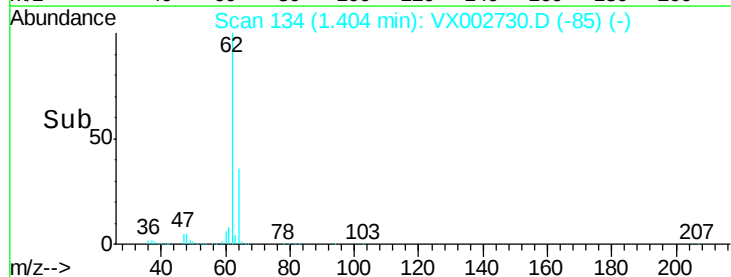
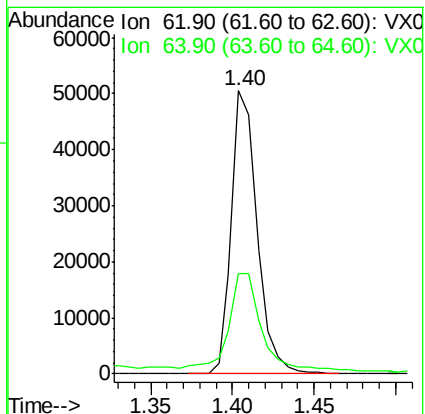
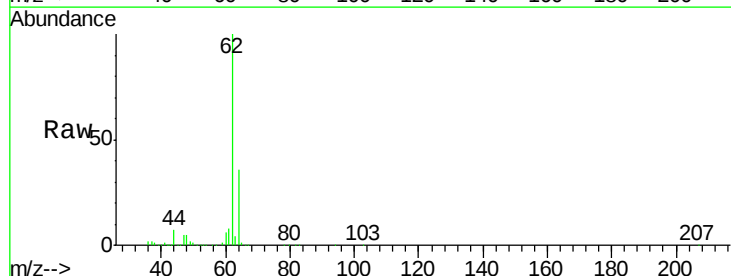
Acq: 19 Jun 2018 22:57

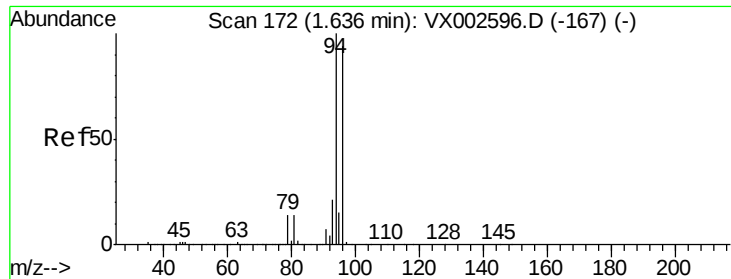
Tgt Ion: 62 Resp: 55442

Ion Ratio Lower Upper

62 100

64 34.0 25.4 38.2





#5

Bromomethane

Concen: 15.16 ug/l

RT: 1.64 min Scan# 172

Delta R.T. -0.00 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

Instrument :

MSVOA_X

ClientSampleId :

VX0619WBSD01

Tot Ion: 94 Resp: 27244

Ion Ratio Lower Upper

94 100

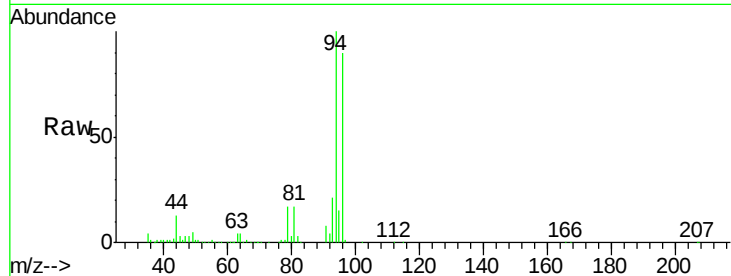
96 90.3 74.9 112.3

Manual Integrations

APPROVED

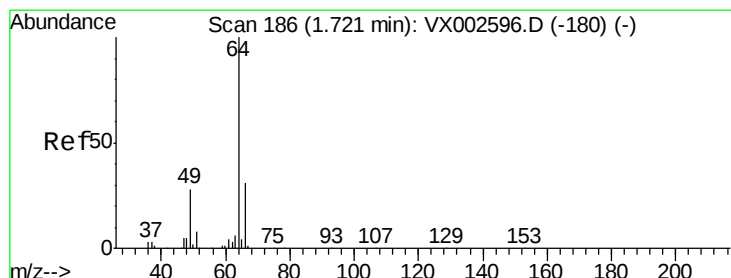
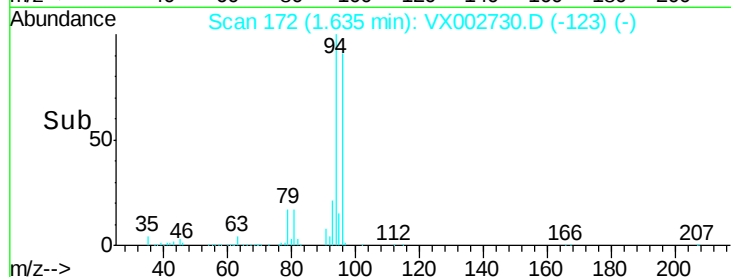
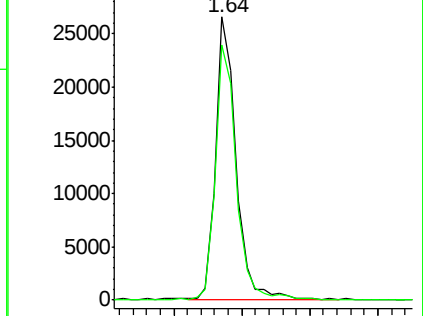
MMDadoda

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



#6

Chloroethane

Concen: 19.62 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.00 min

Lab File: VX002730.D

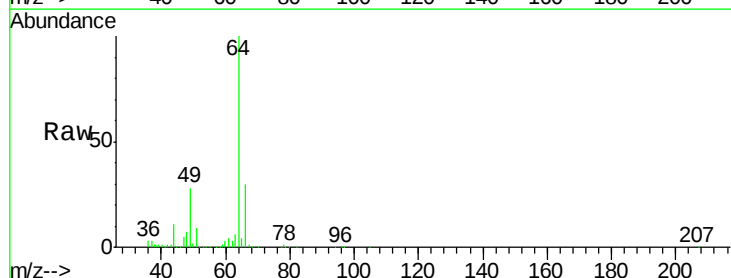
Acq: 19 Jun 2018 22:57

Tgt Ion: 64 Resp: 38515

Ion Ratio Lower Upper

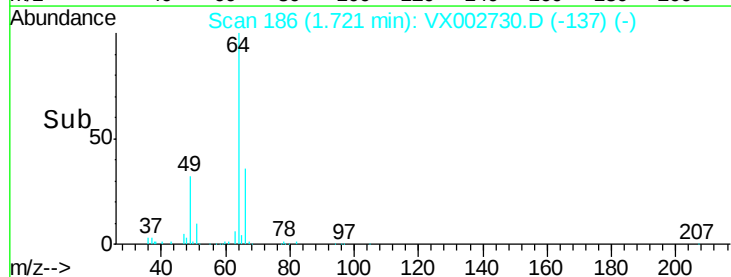
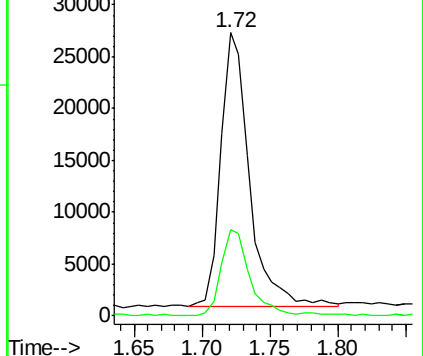
64 100

66 31.0 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

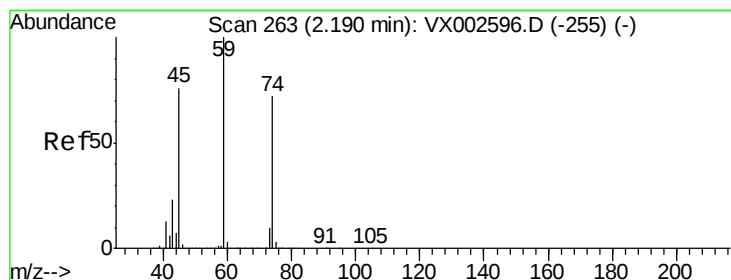
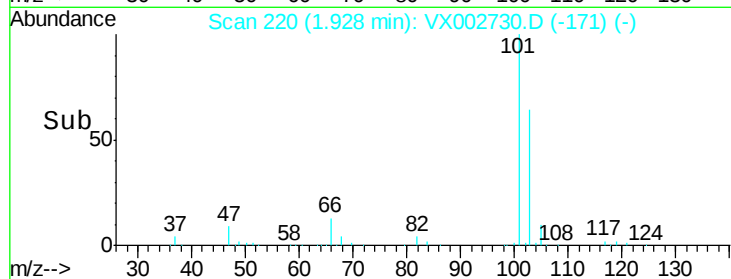
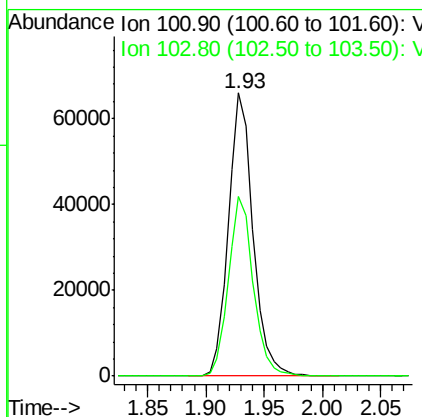
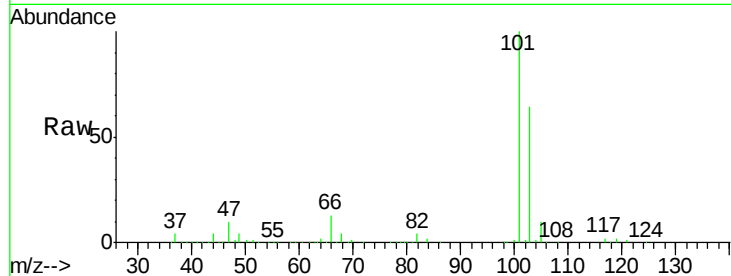
Trichlorofluoromethane
 Concen: 20.01 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. -0.00 min
 Lab File: VX002730.D
 Acq: 19 Jun 2018 22:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0619WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.6	52.8	79.2

Manual Integrations
 APPROVED

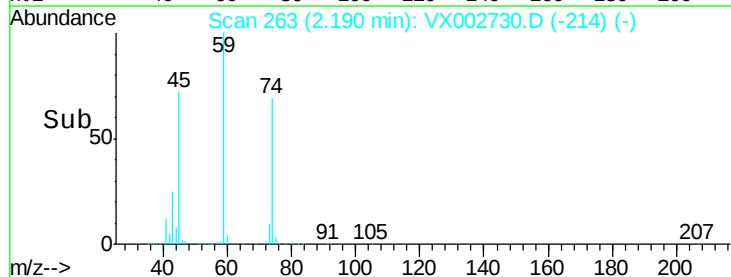
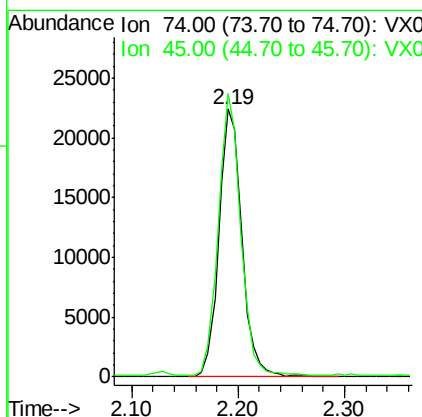
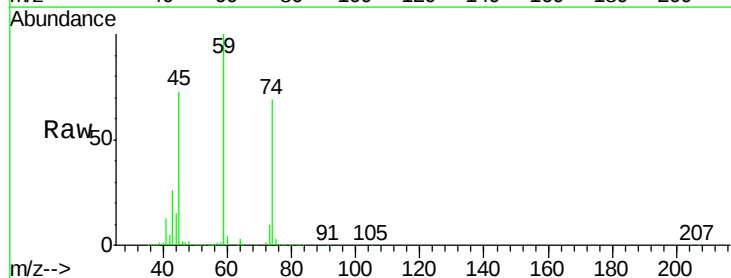
MMDadoda
 6/20/2018 6:26:57 PM

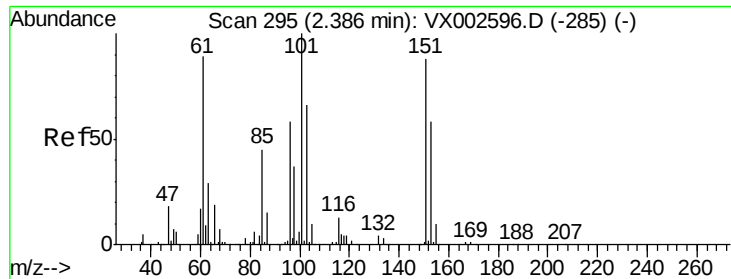


#8

Diethyl Ether
 Concen: 18.26 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.00 min
 Lab File: VX002730.D
 Acq: 19 Jun 2018 22:57

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.2	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.88 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

Instrument :

MSVOA_X

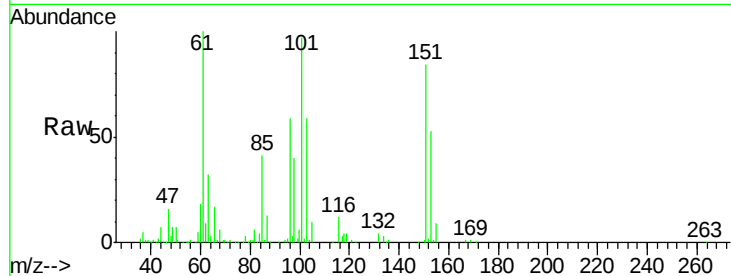
ClientSampleId :

VX0619WBSD01

Tot Ion:	101	Resp:	53766
Ion Ratio	Lower	Upper	
101	100		
85	44.2	36.0	54.0
151	87.8	70.9	106.3

Manual Integrations
APPROVED

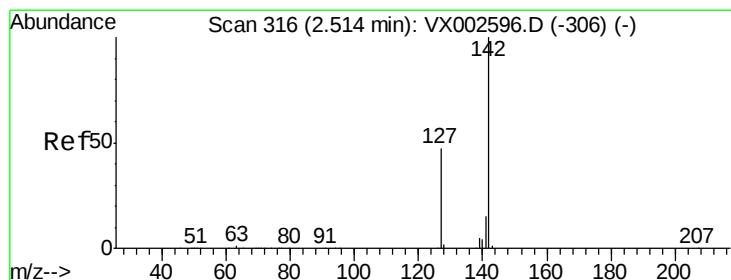
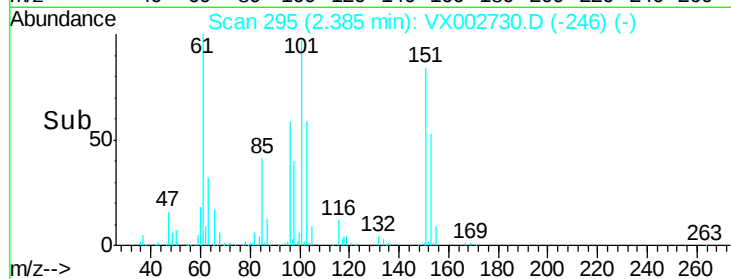
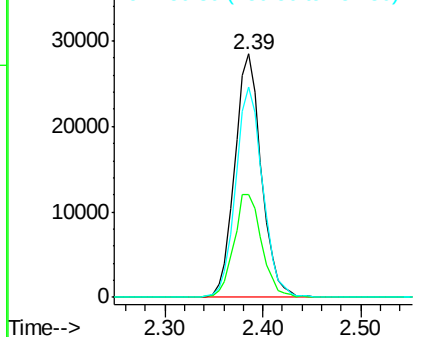
MMDadoda
6/20/2018 6:26:57 PM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 15.31 ug/l

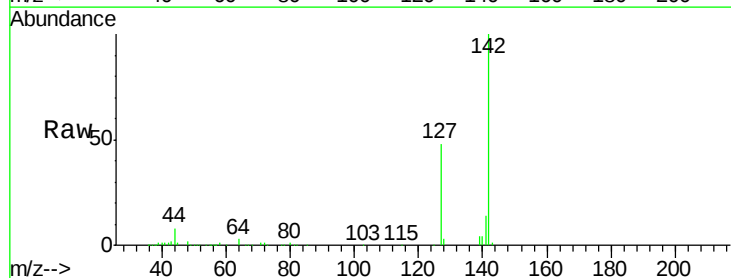
RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

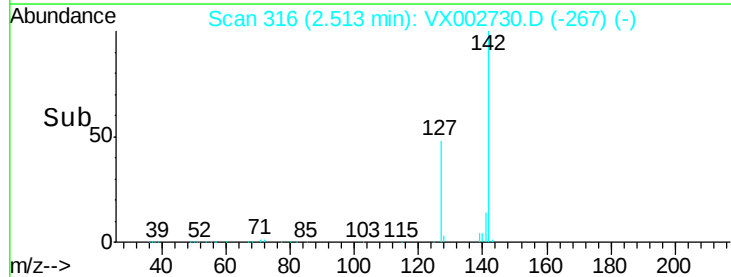
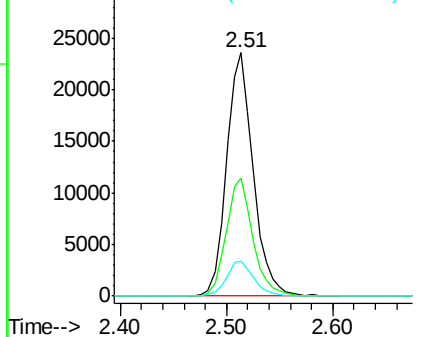
Tgt Ion:	142	Resp:	41265
Ion Ratio	Lower	Upper	
142	100		
127	48.3	36.6	55.0
141	14.7	11.3	16.9

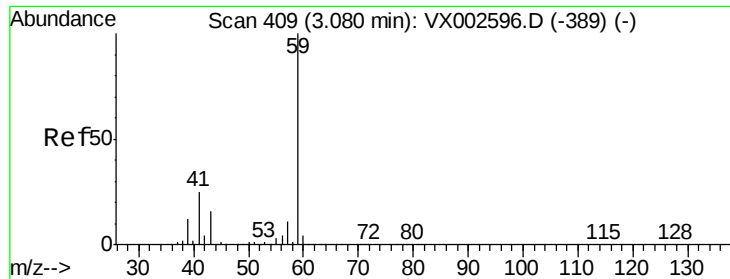


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

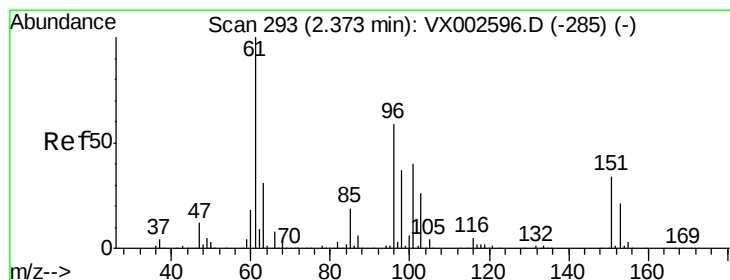
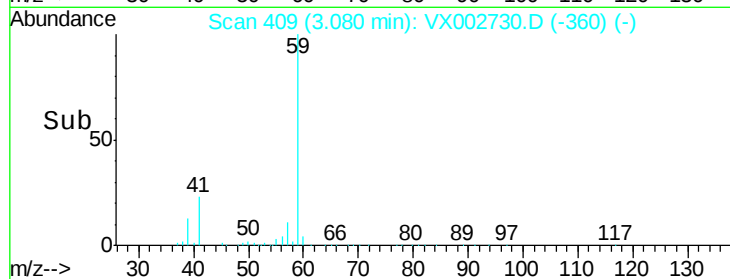
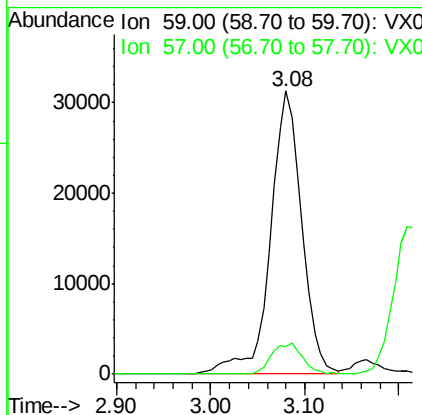
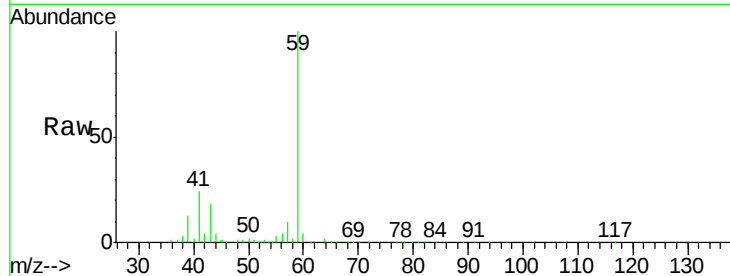
Tert butyl alcohol
 Concen: 101.94 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. -0.00 min
 Lab File: VX002730.D
 Acq: 19 Jun 2018 22:57

Instrument :
 MSVOA_X
 ClientSampled :
 VX0619WBSD01

Tot Ion	59	Resp	72785
Ion Ratio	100	Lower	Upper
57	11.1	8.2	12.2

Manual Integrations
 APPROVED

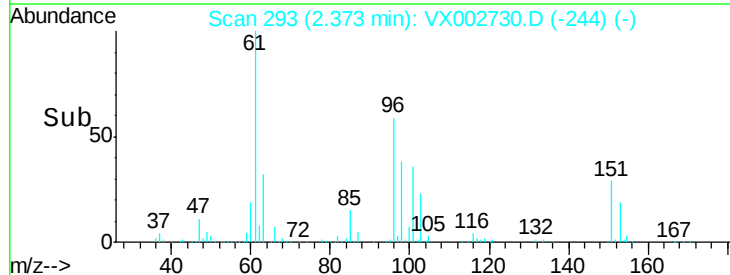
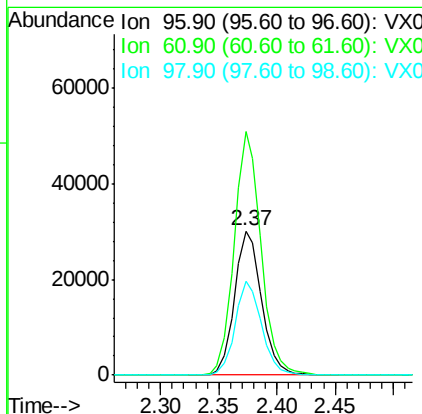
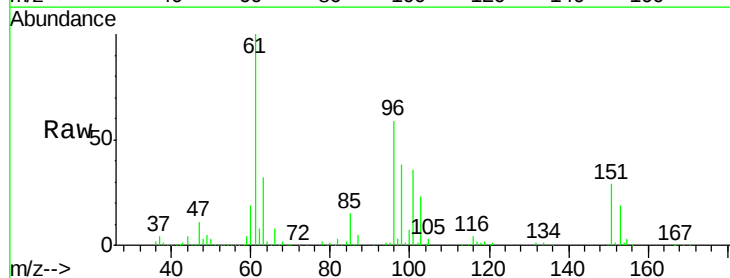
MMDadoda
 6/20/2018 6:26:57 PM

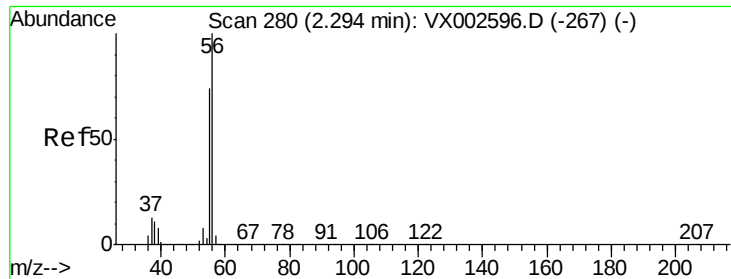


#12

1,1-Dichloroethene
 Concen: 19.21 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VX002730.D
 Acq: 19 Jun 2018 22:57

Tgt Ion	96	Resp	48781
Ion Ratio	100	Lower	Upper
61	169.3	137.9	206.9
98	65.1	51.6	77.4





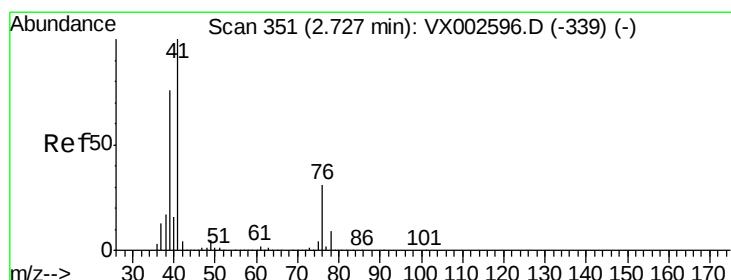
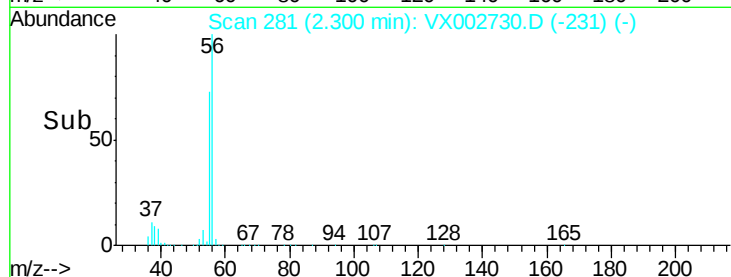
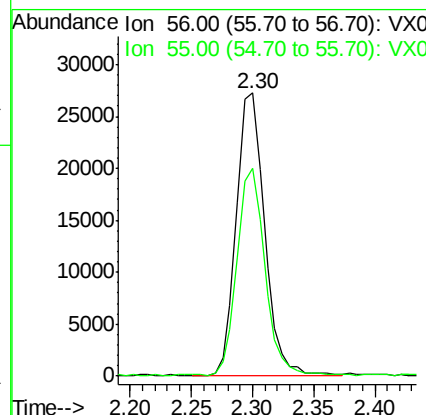
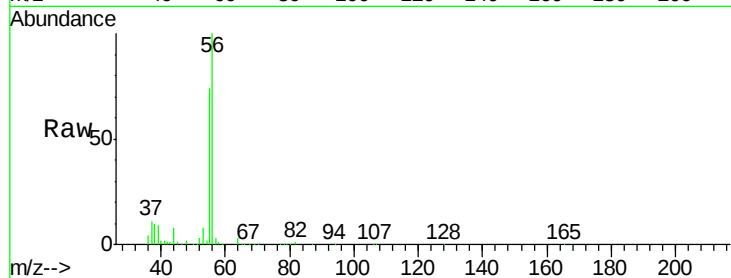
#13
Acrolein
Concen: 133.44 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX002730.D
Acq: 19 Jun 2018 22:57

Instrument :
MSVOA_X
ClientSampleId :
VX0619WBSD01

Tot Ion	56	55	Ratio	Lower	Upper
43563	100	72.1		57.0	85.4

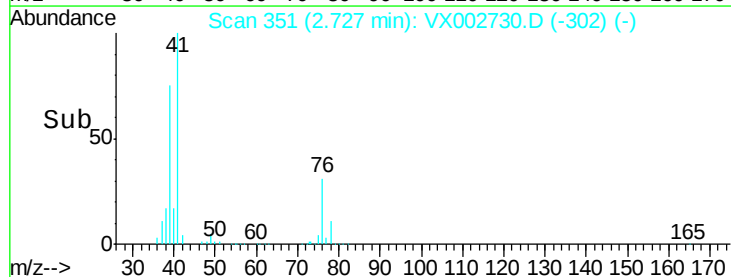
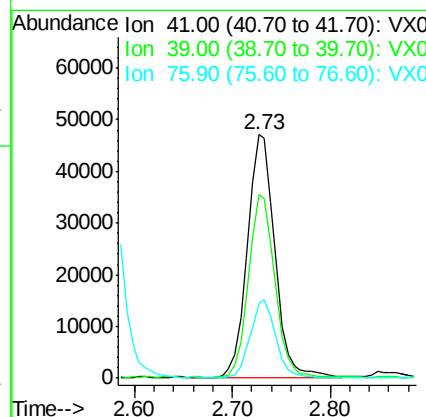
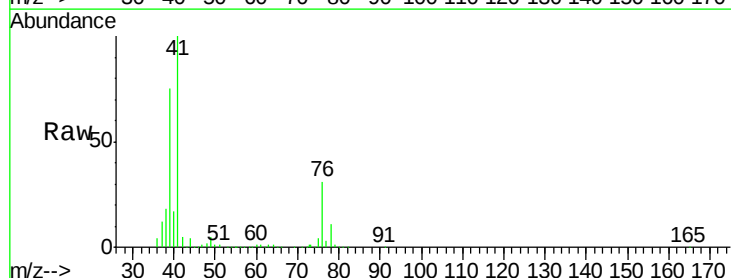
Manual Integrations
APPROVED

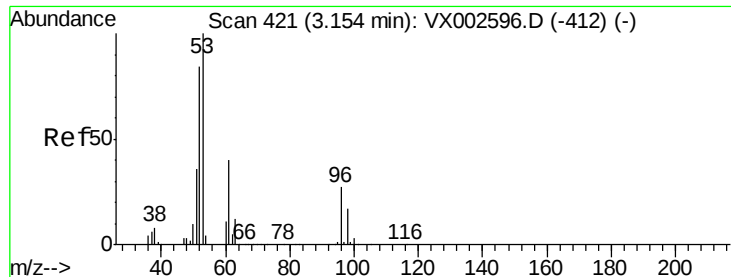
MMDadoda
6/20/2018 6:26:57 PM



#14
Allyl chloride
Concen: 18.11 ug/l
RT: 2.73 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX002730.D
Acq: 19 Jun 2018 22:57

Tgt Ion	41	39	76	Ratio	Lower	Upper
91319	100	71.9	29.7		56.8	85.2
					23.8	35.8





#15

Acrylonitrile

Concen: 97.66 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

Instrument :

MSVOA_X

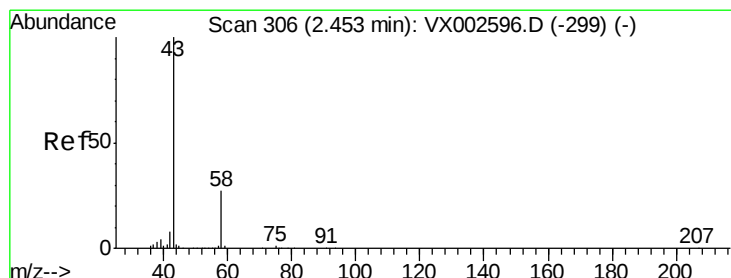
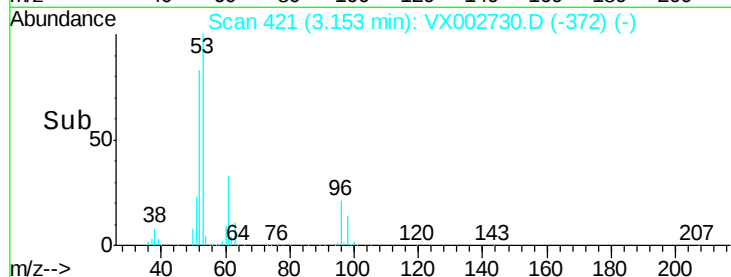
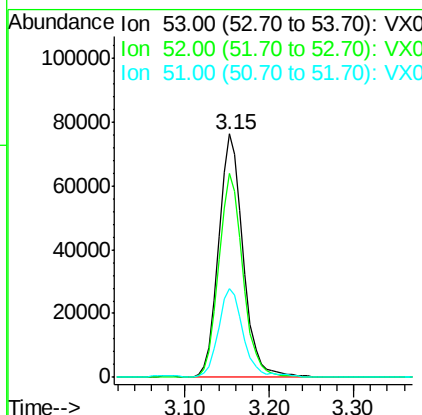
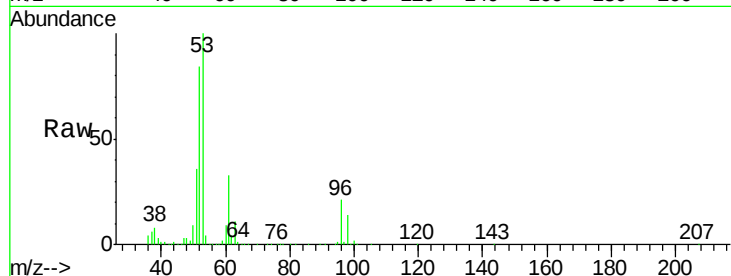
ClientSampleId :

VX0619WBSD01

Tot Ion:	53	Resp:	152157
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.7	100.1
51	37.1	29.9	44.9

Manual Integrations
APPROVED

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



#16

Acetone

Concen: 95.62 ug/l

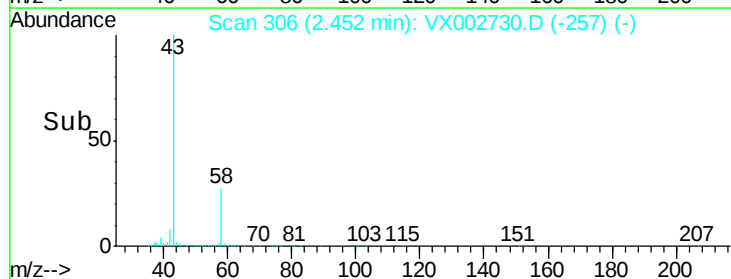
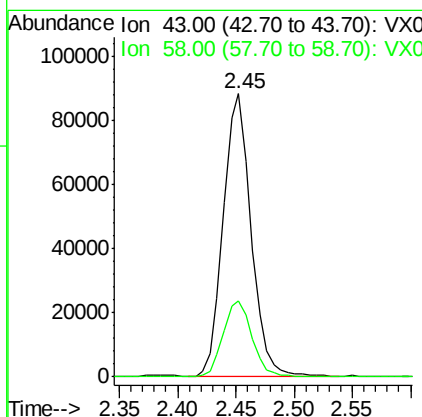
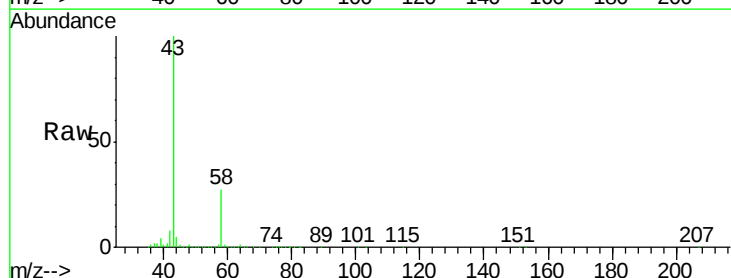
RT: 2.45 min Scan# 306

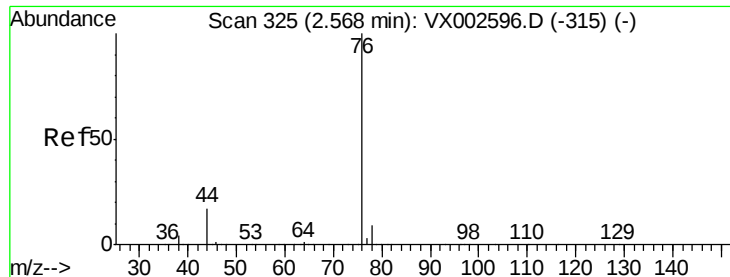
Delta R.T. -0.00 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

Tgt Ion:	43	Resp:	145707
Ion	Ratio	Lower	Upper
43	100		
58	27.1	22.1	33.1





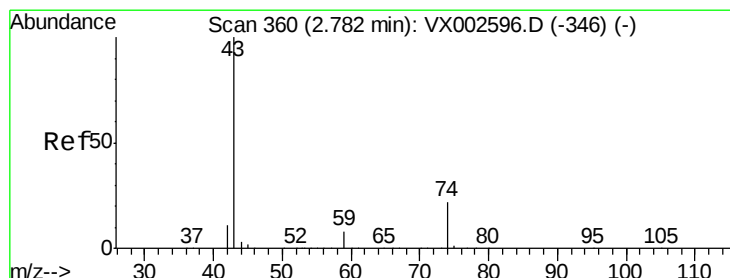
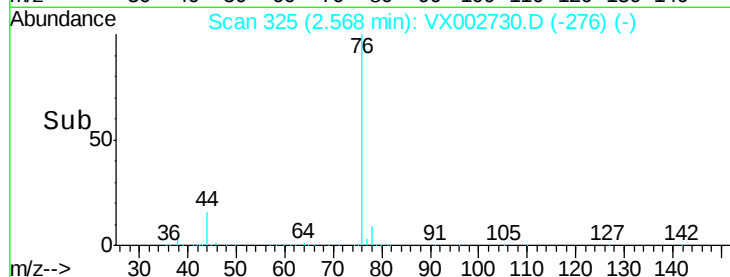
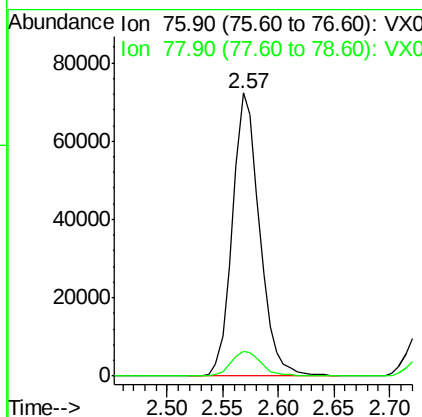
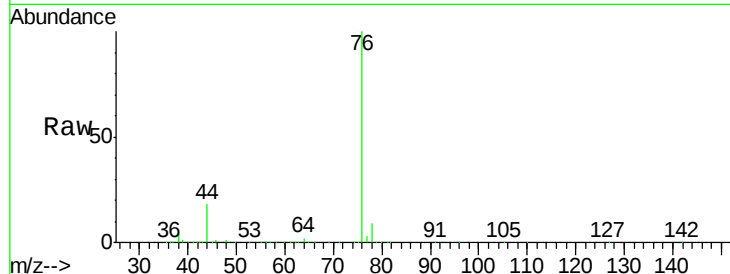
#17
Carbon Disulfide
Concen: 20.29 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX002730.D
Acq: 19 Jun 2018 22:57

Instrument :
MSVOA_X
ClientSampleId :
VX0619WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	6.9	10.3

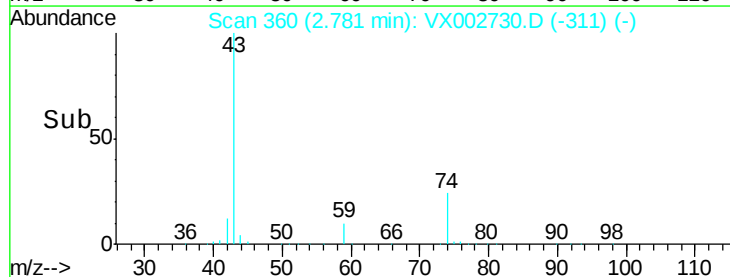
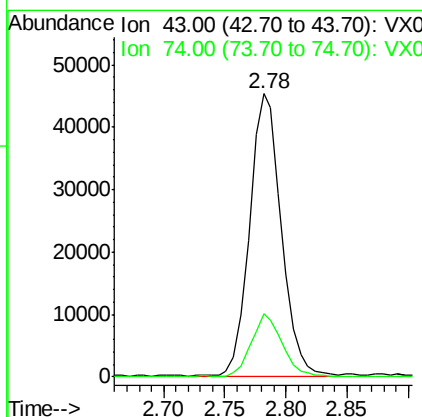
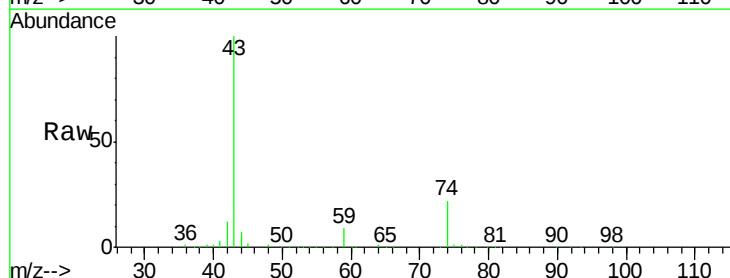
Manual Integrations
APPROVED

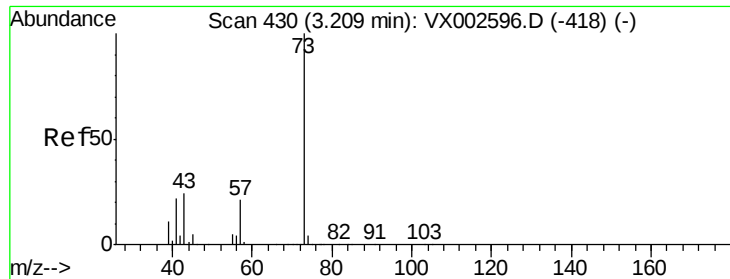
MMDadoda
6/20/2018 6:26:57 PM



#18
Methyl Acetate
Concen: 20.06 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX002730.D
Acq: 19 Jun 2018 22:57

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.5	16.7	25.1





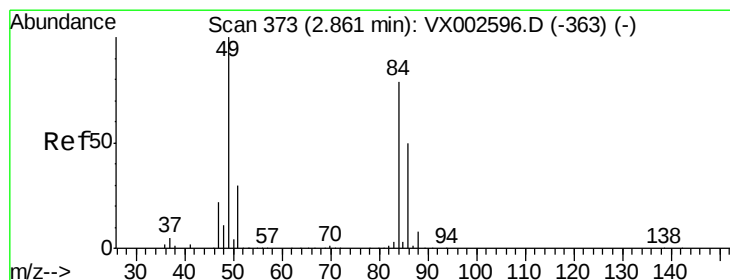
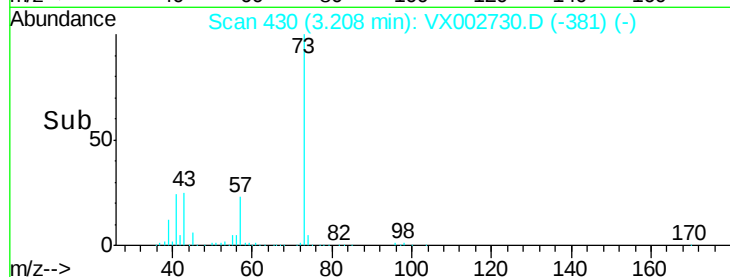
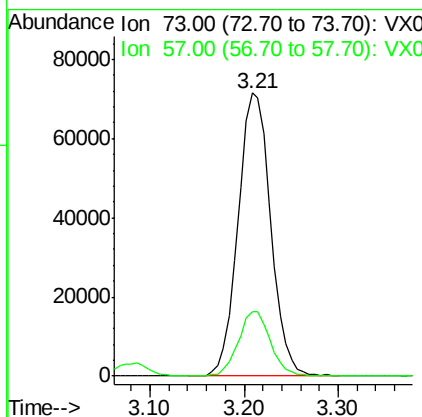
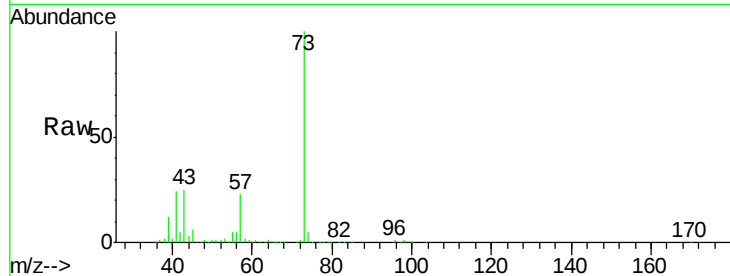
#19
Methvl tert-butvl Ether
Concen: 18.20 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.00 min
Lab File: VX002730.D
Acq: 19 Jun 2018 22:57

Instrument :
MSVOA_X
ClientSampleId :
VX0619WBSD01

Tot Ion: 73 Resp: 173374
Ion Ratio Lower Upper
73 100
57 22.7 17.7 26.5

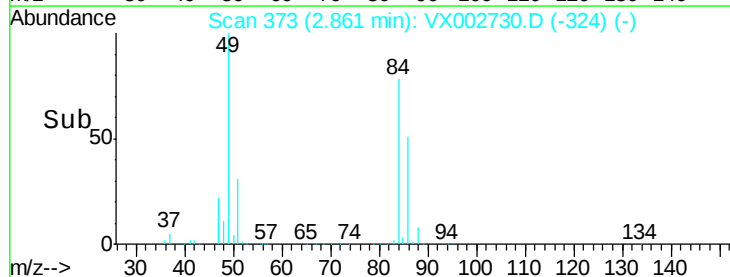
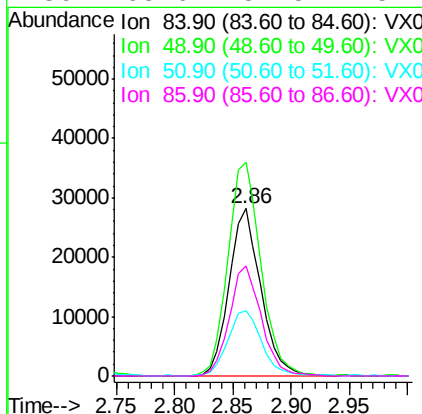
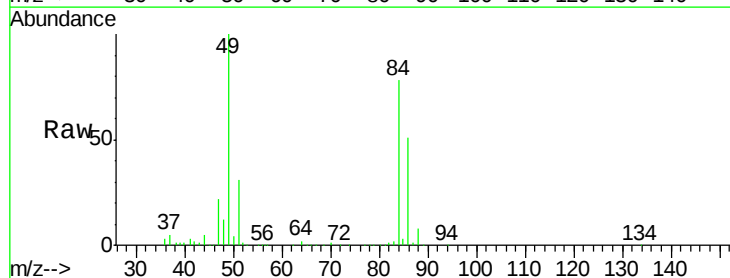
Manual Integrations
APPROVED

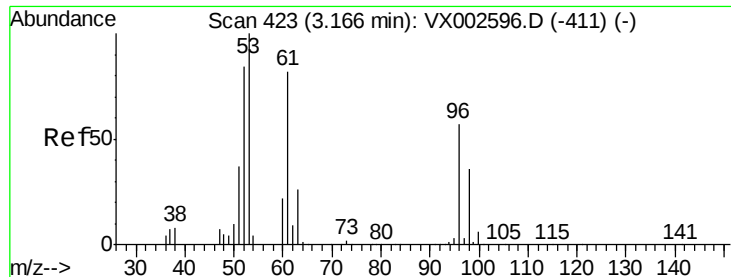
MMDadoda
6/20/2018 6:26:57 PM



#20
Methylene Chloride
Concen: 17.19 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX002730.D
Acq: 19 Jun 2018 22:57

Tgt Ion: 84 Resp: 53710
Ion Ratio Lower Upper
84 100
49 127.4 107.8 161.6
51 39.2 32.8 49.2
86 65.6 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 18.58 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

Instrument :

MSVOA_X

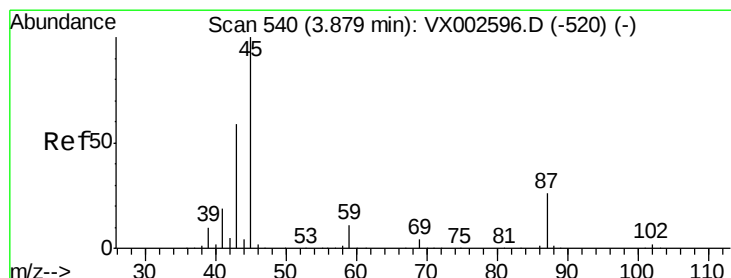
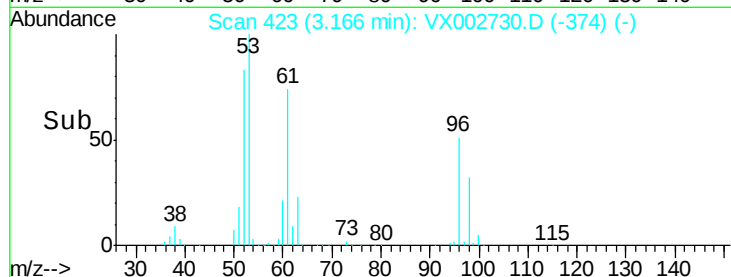
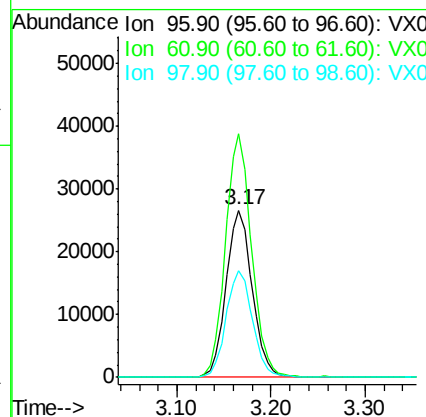
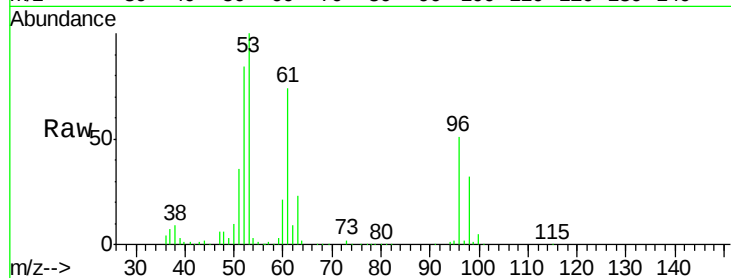
ClientSampled :

VX0619WBSD01

Tot Ion:	96	Resp:	51185
Ion	Ratio	Lower	Upper
96	100		
61	145.7	117.0	175.4
98	63.7	52.4	78.6

Manual Integrations
APPROVED

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



#22

Diisopropyl ether

Concen: 18.57 ug/l

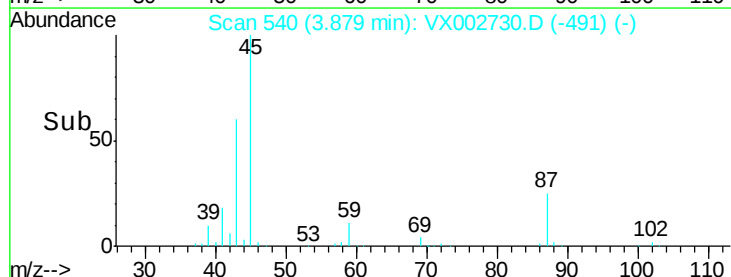
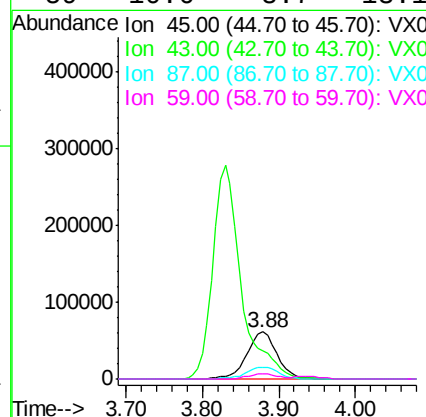
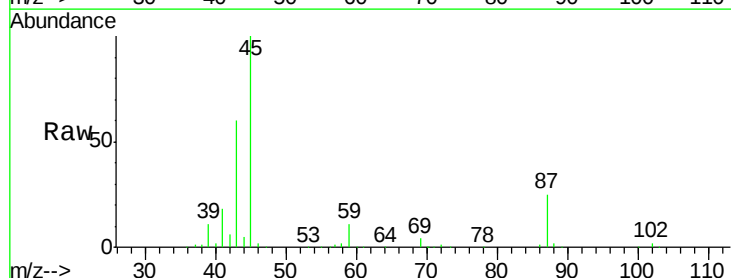
RT: 3.88 min Scan# 540

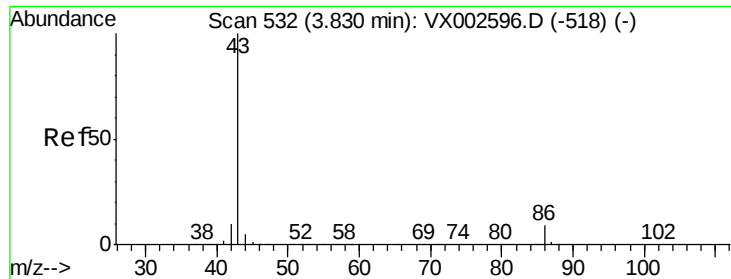
Delta R.T. -0.00 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

Tgt Ion:	45	Resp:	169407
Ion	Ratio	Lower	Upper
45	100		
43	59.9	46.8	70.2
87	25.4	20.2	30.4
59	10.6	8.7	13.1





#23

Vinyl Acetate

Concen: 94.14 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

Instrument :

MSVOA_X

ClientSampleId :

VX0619WBSD01

Tot Ion: 43 Resp: 718776

Ion Ratio Lower Upper

43 100

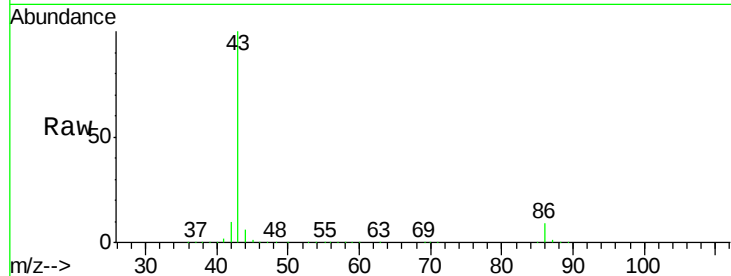
86 9.4 7.4 11.0

Manual Integrations

APPROVED

MMDadoda

6/20/2018 6:26:57 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

300000

250000

200000

150000

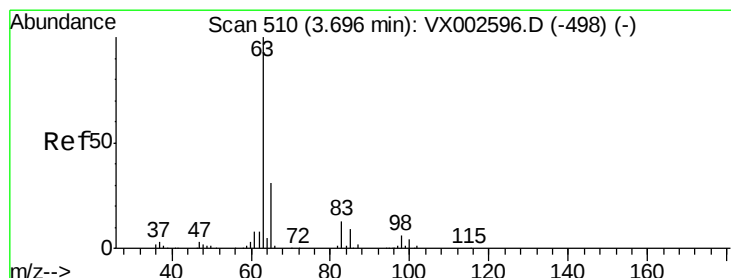
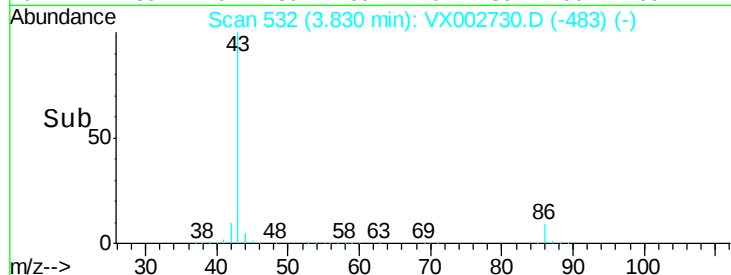
100000

50000

0

3.70 3.80 3.90 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 20.28 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

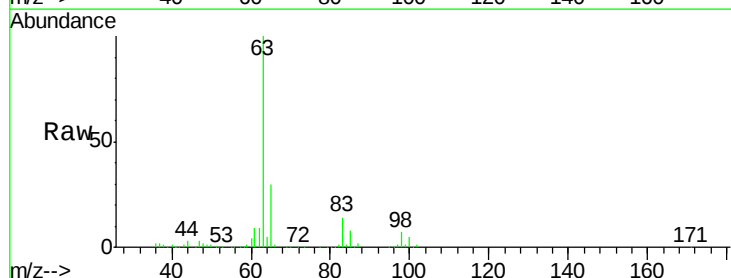
Tgt Ion: 63 Resp: 100388

Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.2

100 4.5 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

50000

40000

30000

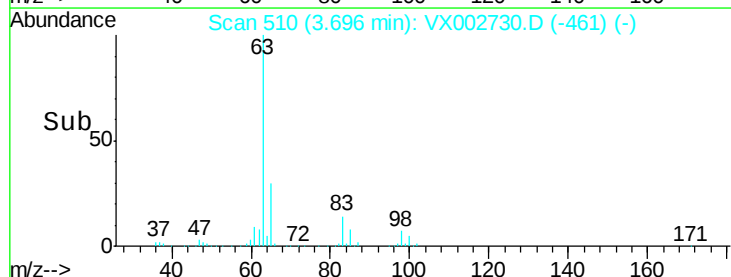
20000

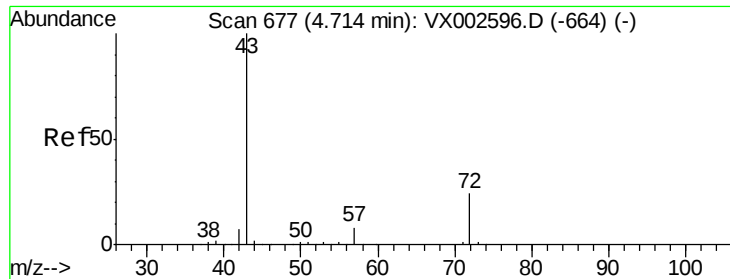
10000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 102.18 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

Instrument :

MSVOA_X

ClientSampleId :

VX0619WBSD01

Tot Ion: 43 Resp: 204473

Ion Ratio Lower Upper

43 100

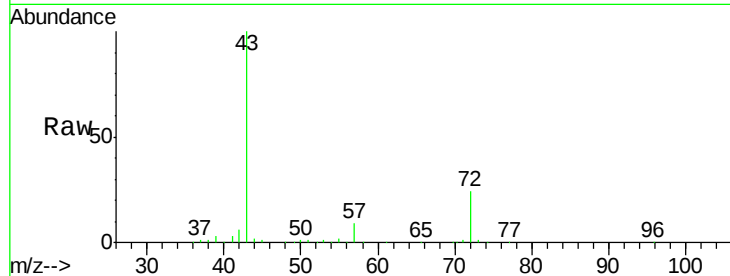
72 23.8 18.5 27.7

Manual Integrations

APPROVED

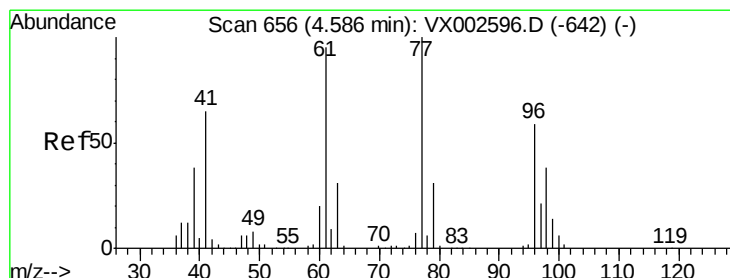
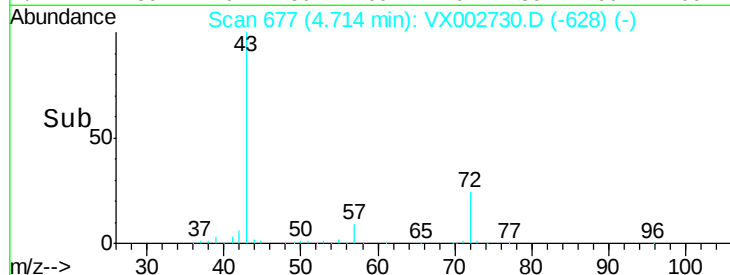
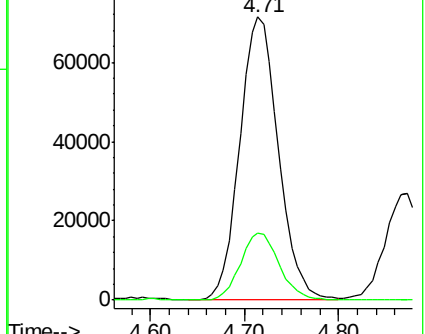
MMDadoda

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



#26

2,2-Dichloropropane

Concen: 14.09 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX002730.D

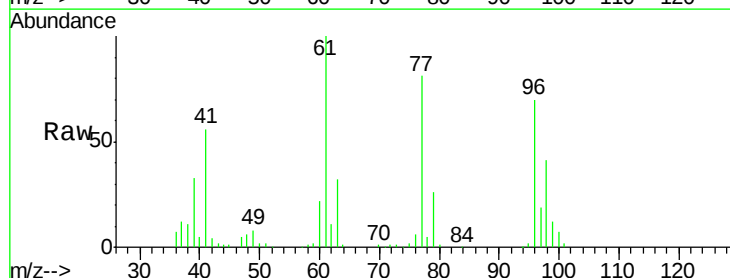
Acq: 19 Jun 2018 22:57

Tgt Ion: 77 Resp: 50118

Ion Ratio Lower Upper

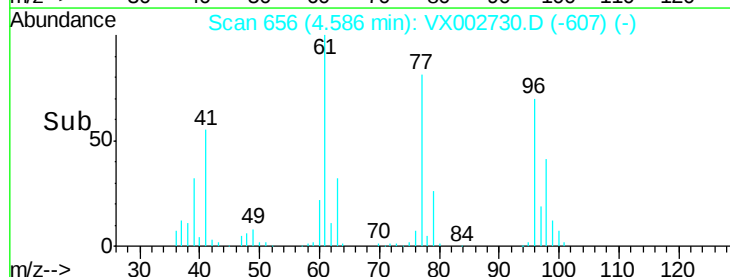
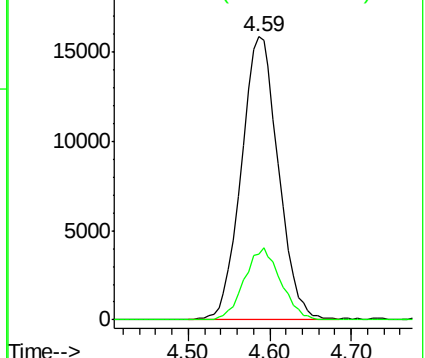
77 100

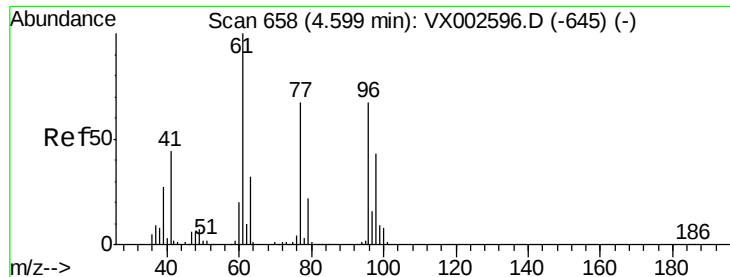
97 24.9 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

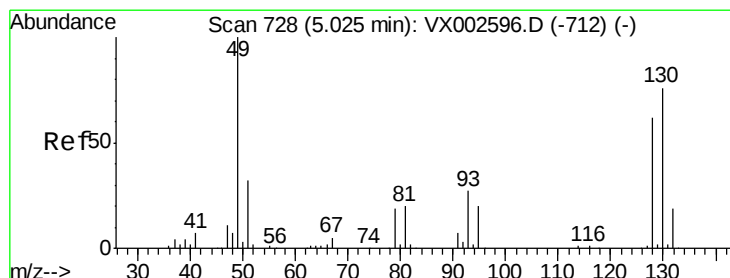
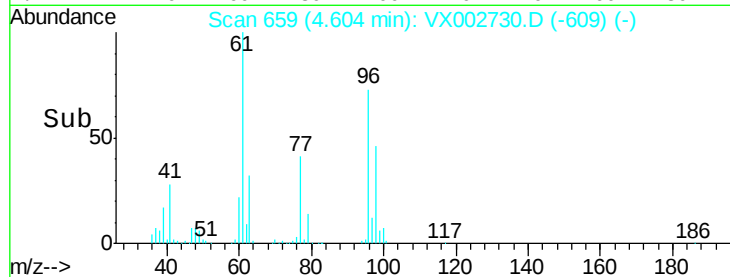
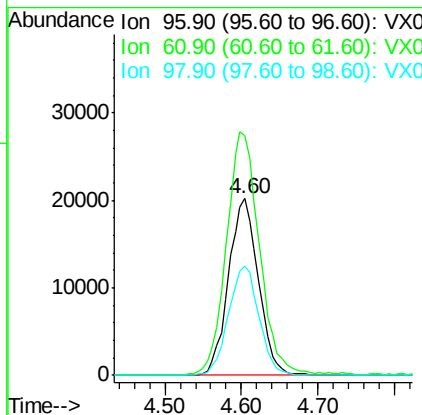
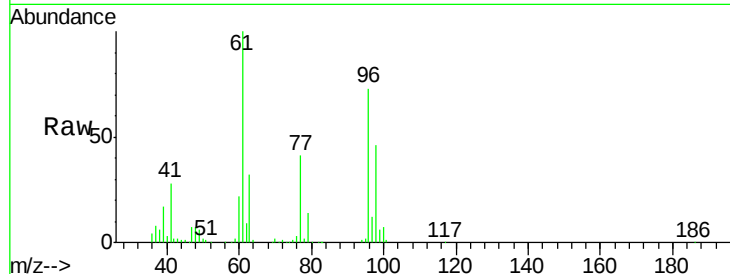
cis-1,2-Dichloroethene
 Concen: 19.43 ug/l
 RT: 4.60 min Scan# 659
 Delta R.T. 0.01 min
 Lab File: VX002730.D
 Acq: 19 Jun 2018 22:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0619WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	54460		
61	153.3		0.0	330.2
98	62.8		0.0	130.2

Manual Integrations
 APPROVED

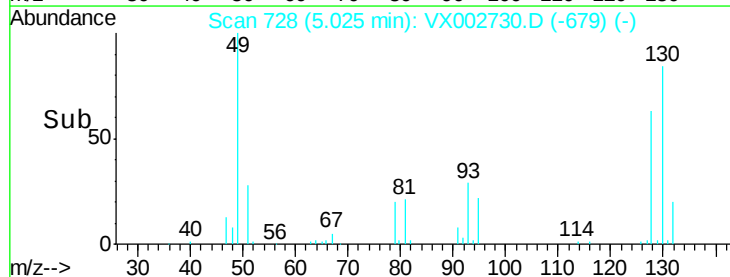
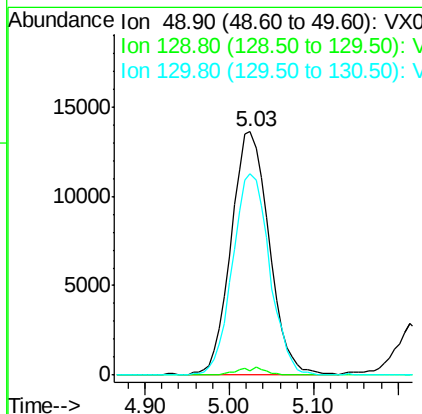
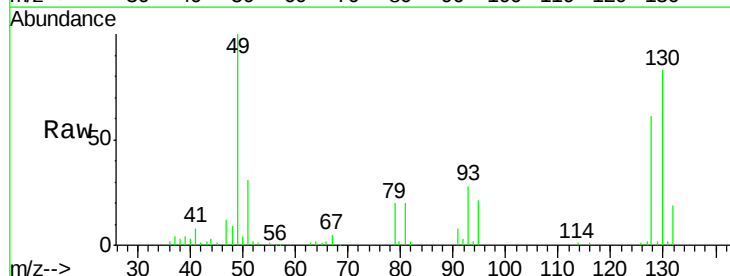
MMDadoda
 6/20/2018 6:26:57 PM

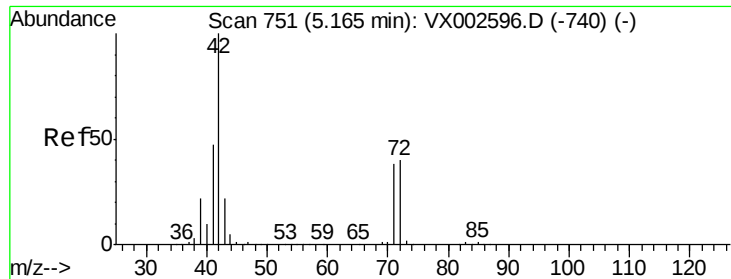


#28

Bromochloromethane
 Concen: 18.03 ug/l
 RT: 5.03 min Scan# 728
 Delta R.T. -0.00 min
 Lab File: VX002730.D
 Acq: 19 Jun 2018 22:57

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	41806		
129	2.4		0.0	4.2
130	80.3		61.2	91.8





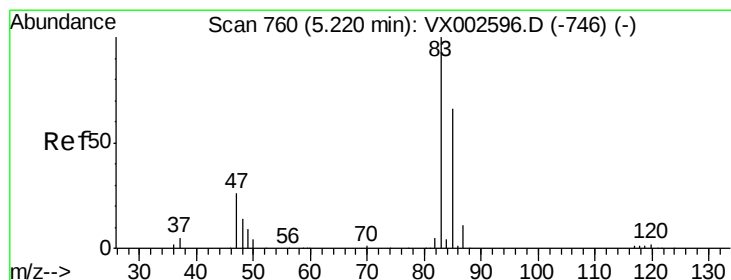
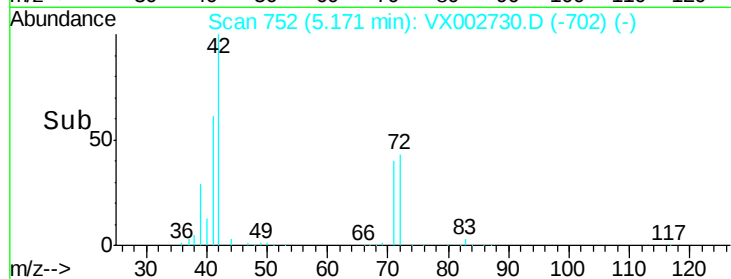
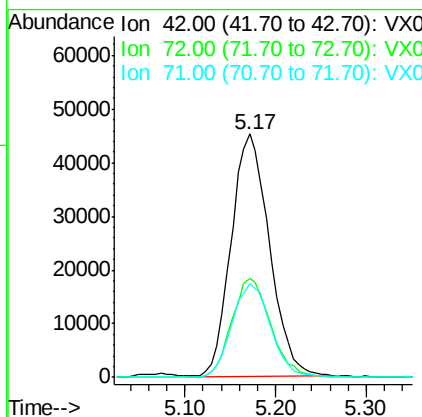
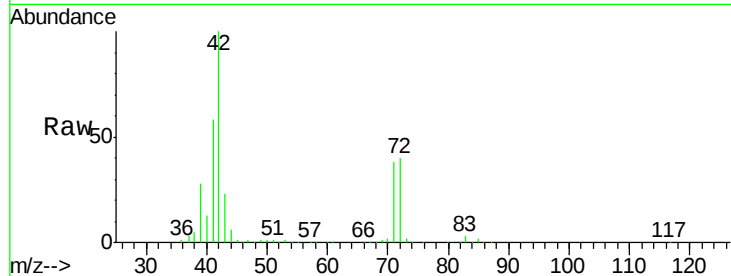
#29
Tetrahydrofuran
Concen: 101.02 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.01 min
Lab File: VX002730.D
Acq: 19 Jun 2018 22:57

Instrument :
MSVOA_X
ClientSampleId :
VX0619WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.8	32.0	48.0
71	39.3	30.1	45.1

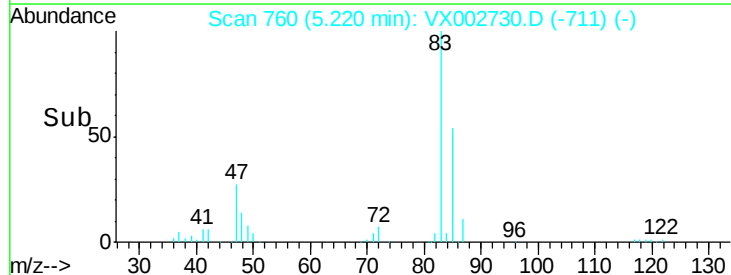
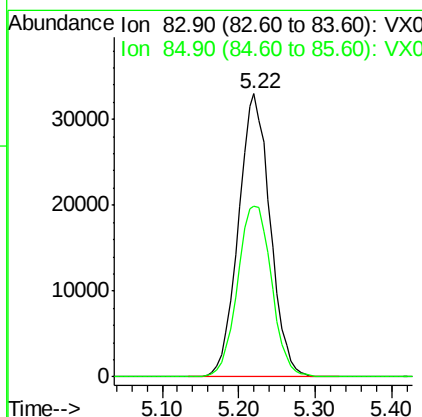
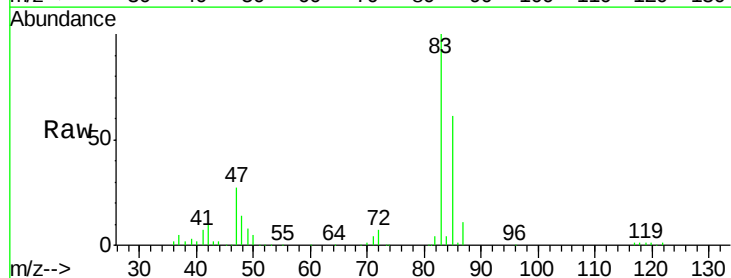
Manual Integrations
APPROVED

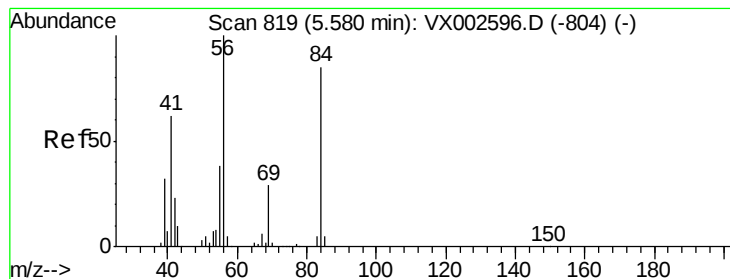
MMDadoda
6/20/2018 6:26:57 PM



#30
Chloroform
Concen: 19.87 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX002730.D
Acq: 19 Jun 2018 22:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.5	50.4	75.6





#31

Cyclohexane

Concen: 19.05 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

Instrument :

MSVOA_X

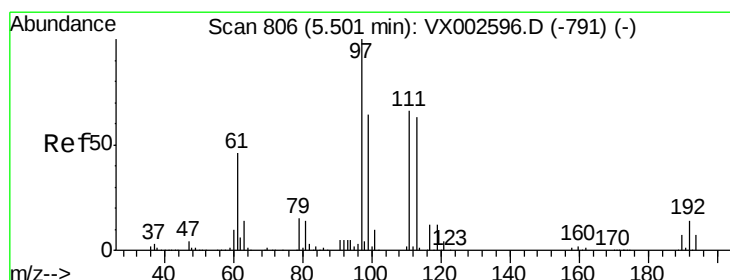
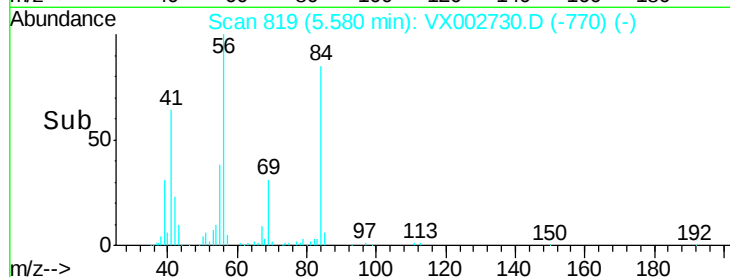
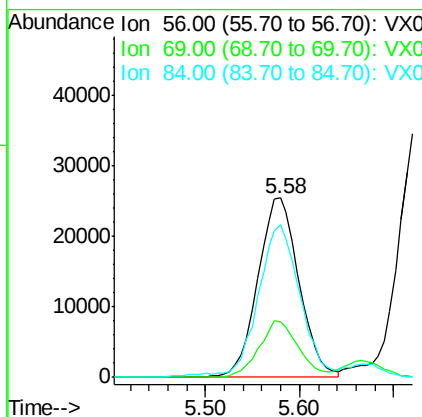
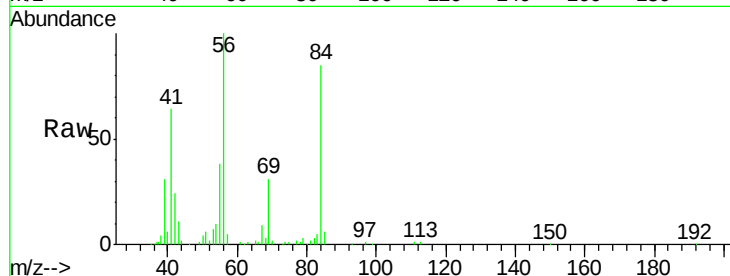
ClientSampleId :

VX0619WBSD01

Tot Ion:	56	Resp:	77665
Ion	Ratio	Lower	Upper
56	100		
69	31.0	23.7	35.5
84	83.3	64.1	96.1

Manual Integrations
APPROVED

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



#32

1,1,1-Trichloroethane

Concen: 20.57 ug/l

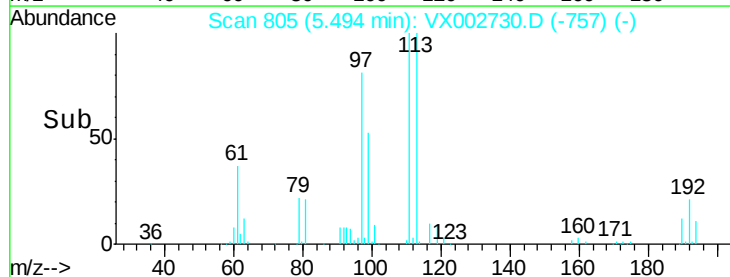
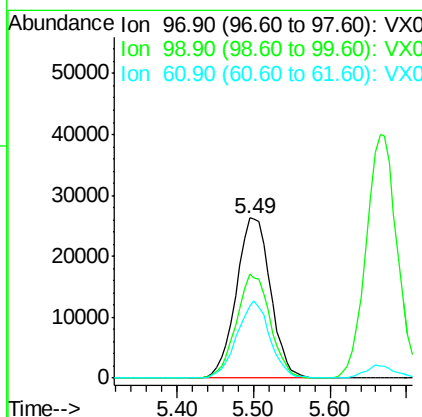
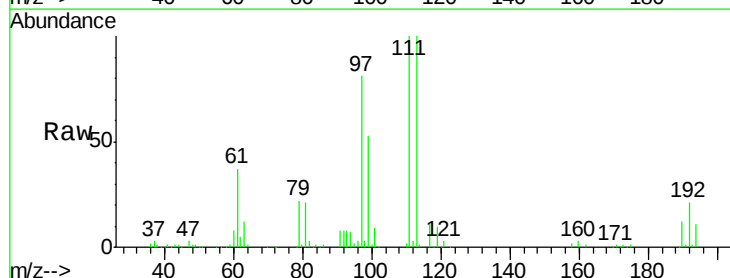
RT: 5.49 min Scan# 805

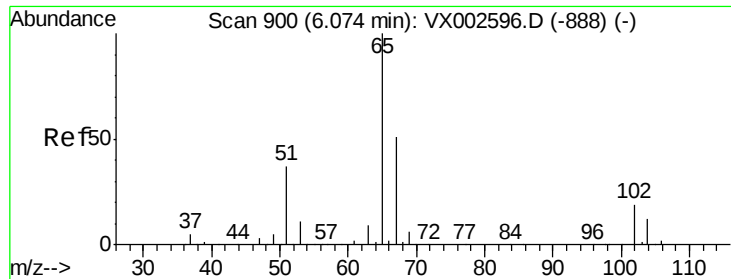
Delta R.T. -0.01 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

Tgt Ion:	97	Resp:	82123
Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.6	77.4
61	46.0	36.4	54.6





#33

1,2-Dichloroethane-d4

Concen: 43.98 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

Instrument :

MSVOA_X

ClientSampleId :

VX0619WBSD01

Tot Ion: 65 Resp: 151884

Ion Ratio Lower Upper

65 100

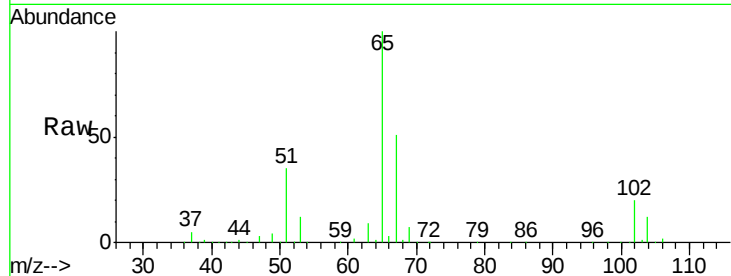
67 51.2 0.0 102.6

Manual Integrations

APPROVED

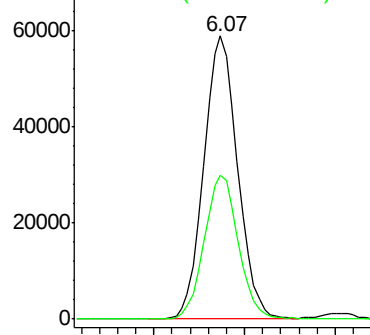
MMDadoda

6/20/2018 6:26:57 PM

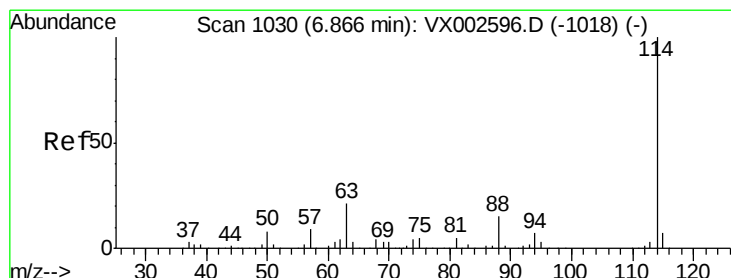
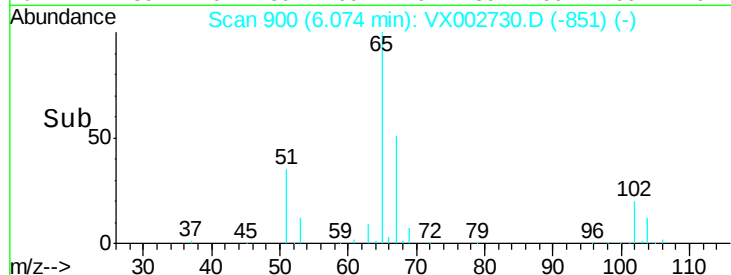


Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

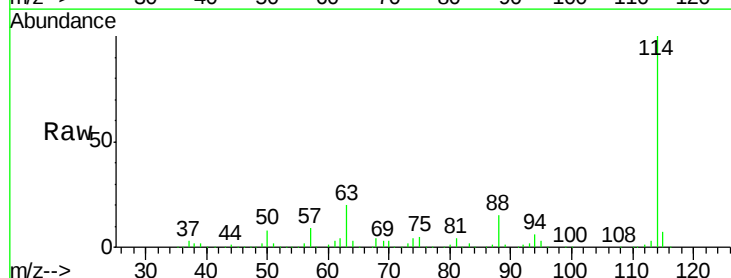
Tgt Ion: 114 Resp: 321429

Ion Ratio Lower Upper

114 100

63 20.3 0.0 41.4

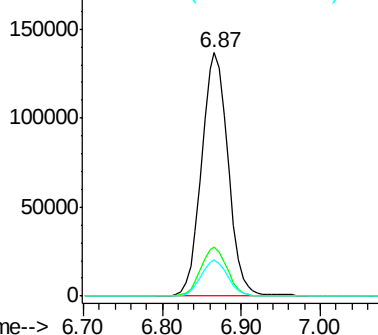
88 14.7 0.0 30.0



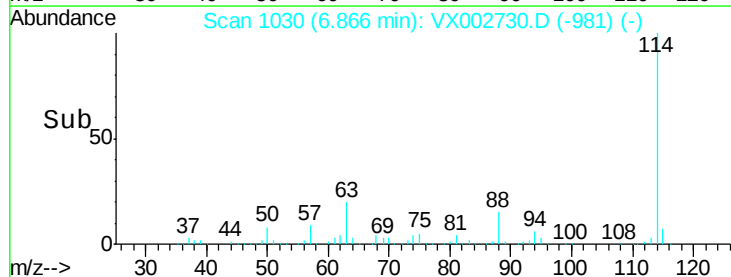
Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



Time-->





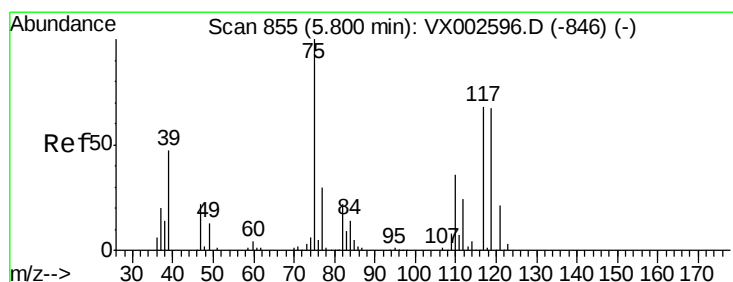
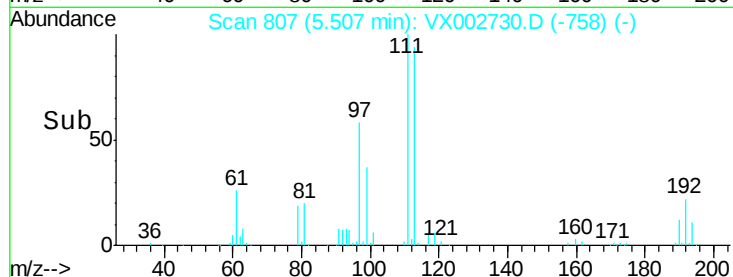
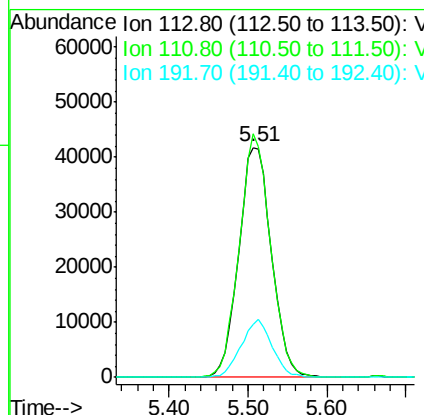
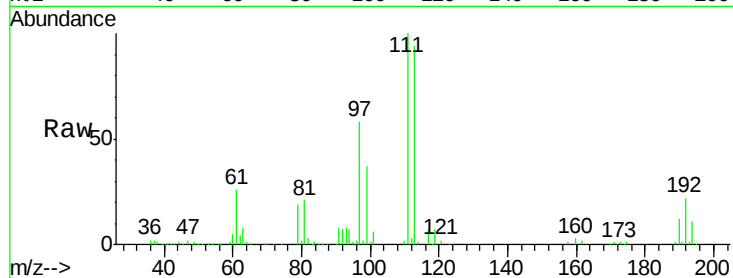
#35
 Dibromofluoromethane
 Concen: 47.19 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: VX002730.D
 Acq: 19 Jun 2018 22:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0619WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	121048		
111	100.9	81.4	122.0	
192	23.7	19.1	28.7	

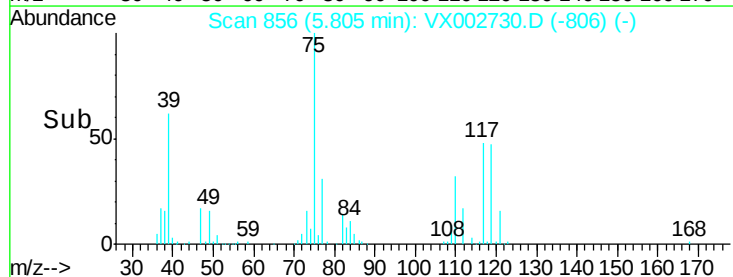
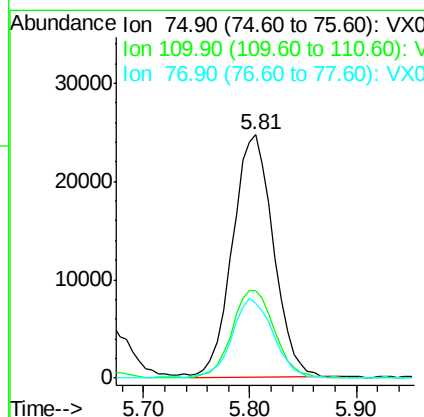
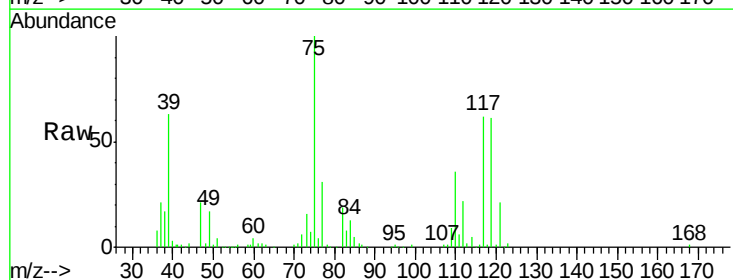
Manual Integrations
 APPROVED

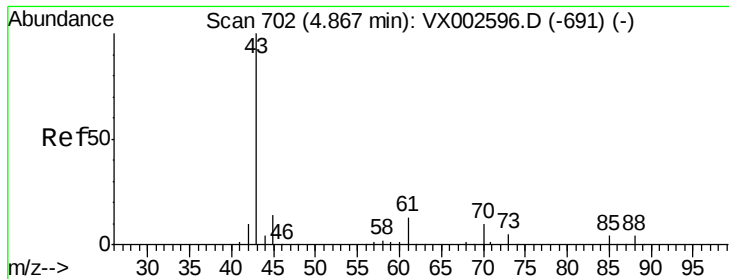
MMDadoda
 6/20/2018 6:26:57 PM



#36
 1,1-Dichloropropene
 Concen: 19.40 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. 0.01 min
 Lab File: VX002730.D
 Acq: 19 Jun 2018 22:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	66213		
110	37.9	18.1	54.4	
77	33.6	24.3	36.5	





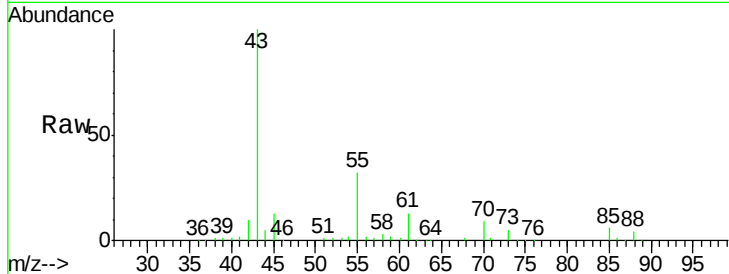
#37
Ethyl Acetate
Concen: 20.36 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.01 min
Lab File: VX002730.D
Acq: 19 Jun 2018 22:57

Instrument :
MSVOA_X
ClientSampleId :
VX0619WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.4	15.6
70	10.0	7.6	11.4

Manual Integrations
APPROVED

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

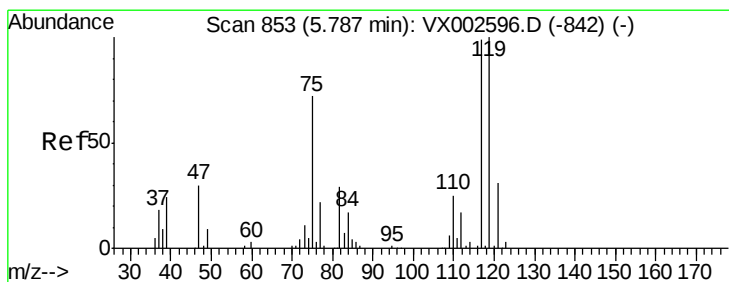
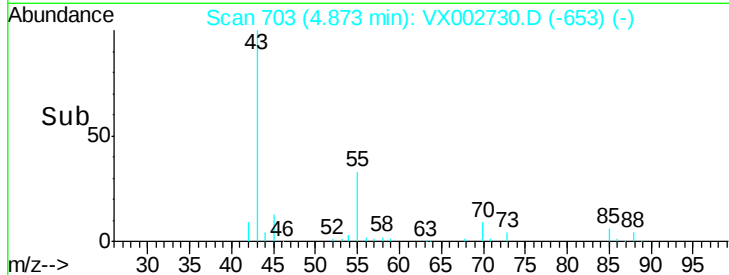
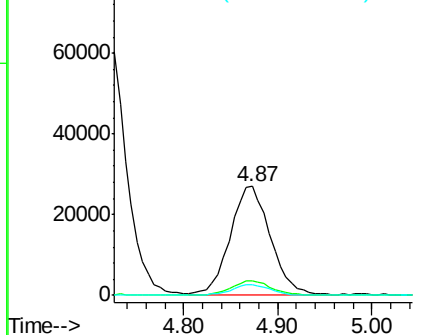


Abundance

Ion 43.00 (42.70 to 43.70): VX002730.D (-653) (-)

Ion 60.90 (60.60 to 61.60): VX002730.D (-653) (-)

Ion 70.00 (69.70 to 70.70): VX002730.D (-653) (-)



#38
Carbon Tetrachloride
Concen: 21.33 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX002730.D
Acq: 19 Jun 2018 22:57

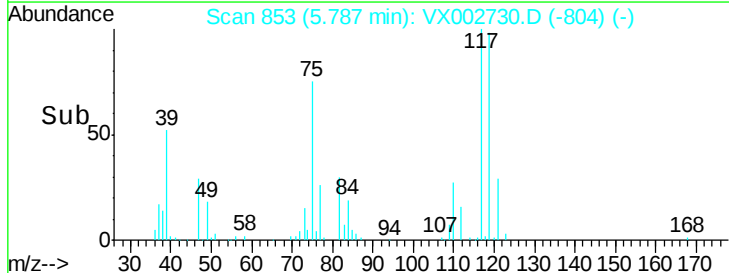
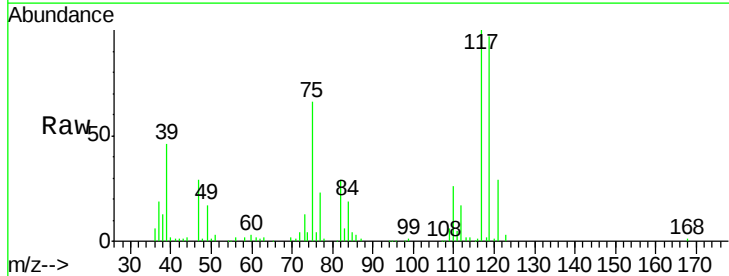
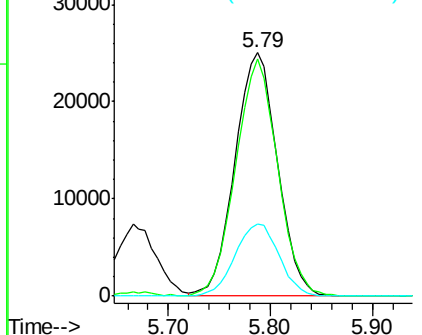
Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	77.4	116.0
121	29.4	24.4	36.6

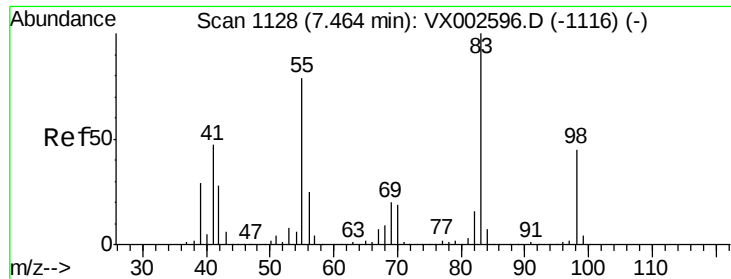
Abundance

Ion 116.80 (116.50 to 117.50): VX002730.D (-804) (-)

Ion 118.80 (118.50 to 119.50): VX002730.D (-804) (-)

Ion 120.80 (120.50 to 121.50): VX002730.D (-804) (-)





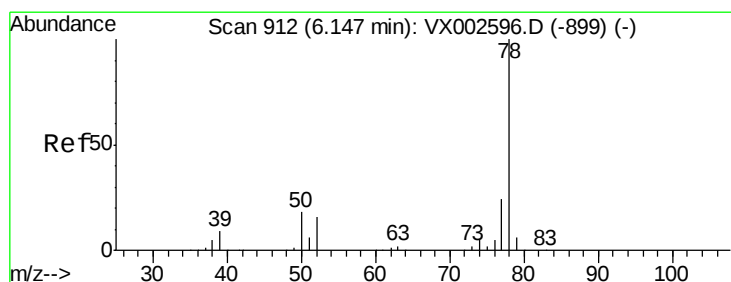
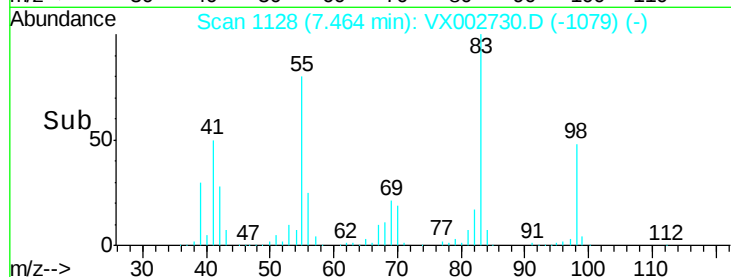
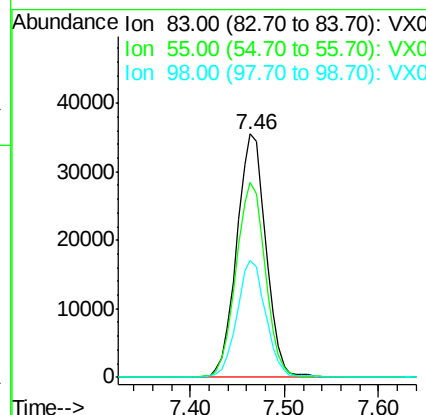
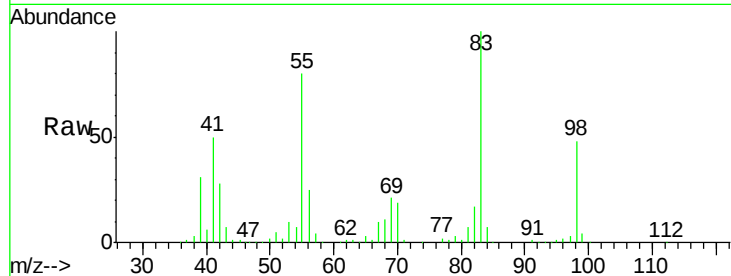
#39
Methvlcvclohexane
Concen: 19.22 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002730.D
Acq: 19 Jun 2018 22:57

Instrument :
MSVOA_X
ClientSampleId :
VX0619WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.9	65.4	98.0
98	48.1	37.4	56.0

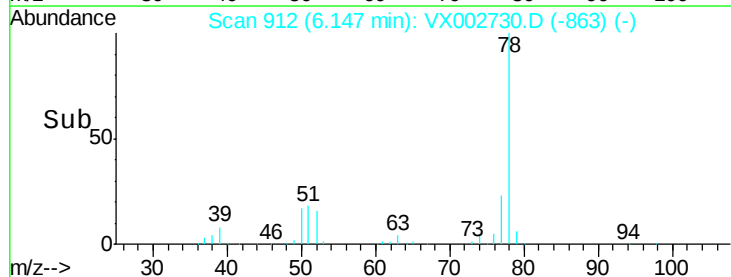
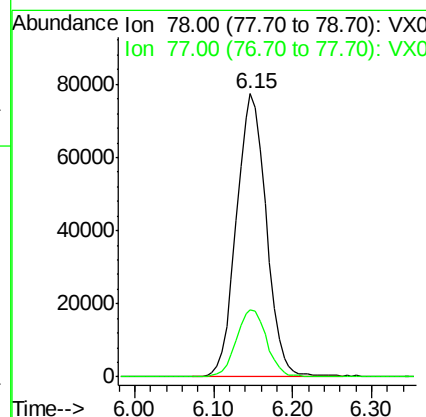
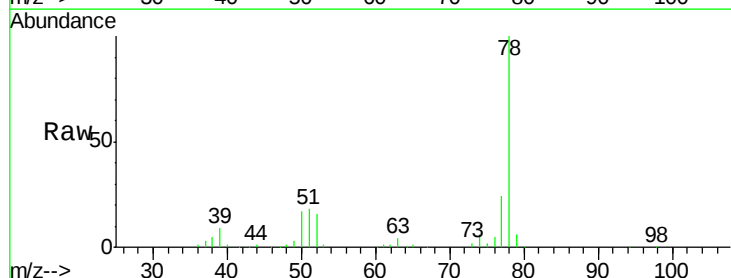
Manual Integrations
APPROVED

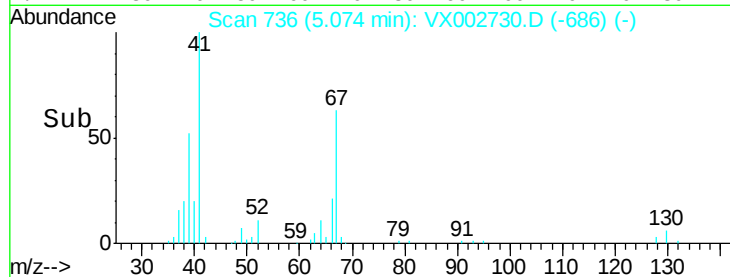
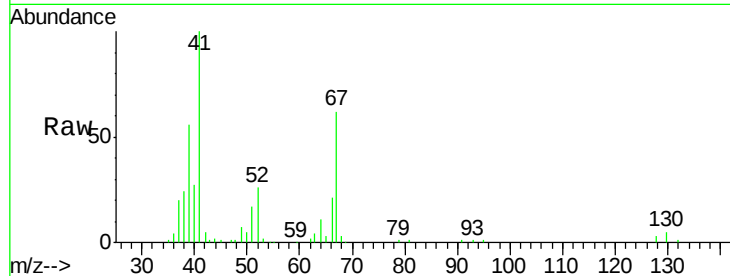
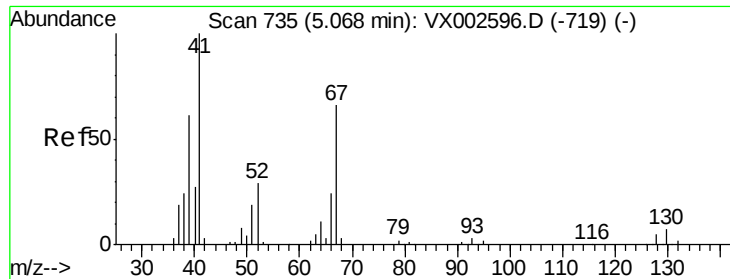
MMDadoda
6/20/2018 6:26:57 PM



#40
Benzene
Concen: 19.94 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002730.D
Acq: 19 Jun 2018 22:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.1	28.7





#41

Methacrylonitrile

Concen: 20.33 ug/l

RT: 5.07 min Scan# 736

Delta R.T. 0.01 min

Lab File: VX002730.D

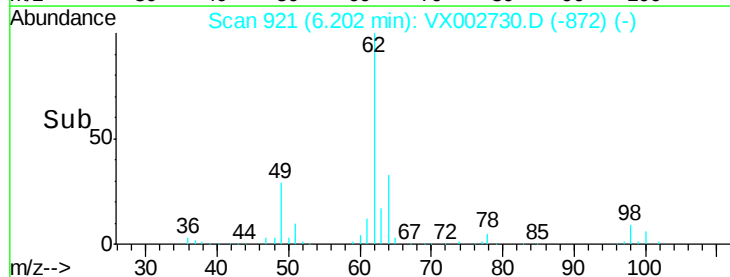
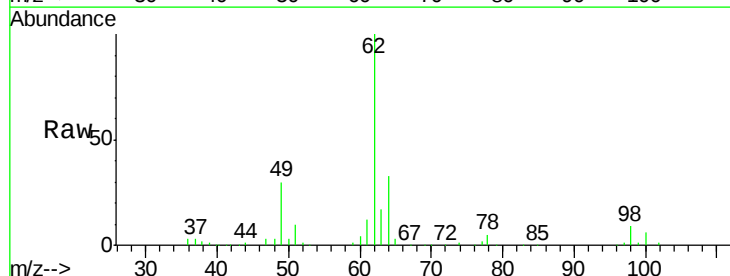
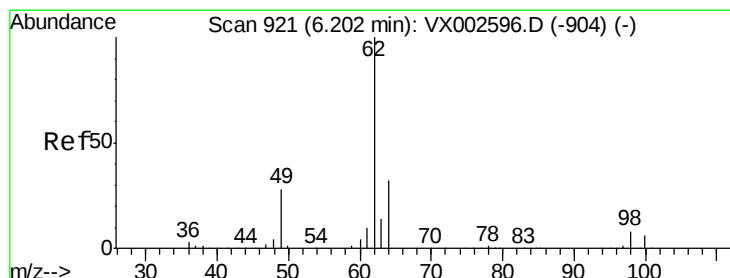
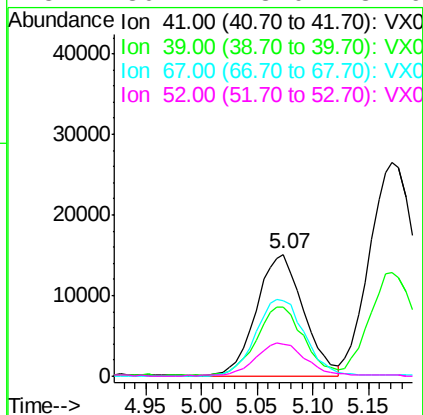
Acq: 19 Jun 2018 22:57

Tot Ion:	41	Resp:	44348
Ion	Ratio	Lower	Upper
41	100		
39	56.6	45.8	68.6
67	66.1	51.3	76.9
52	30.4	23.0	34.6

Instrument :
MSVOA_X
ClientSampleId :
VX0619WBSD01

Manual Integrations
APPROVED

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



#42

1,2-Dichloroethane

Concen: 20.17 ug/l

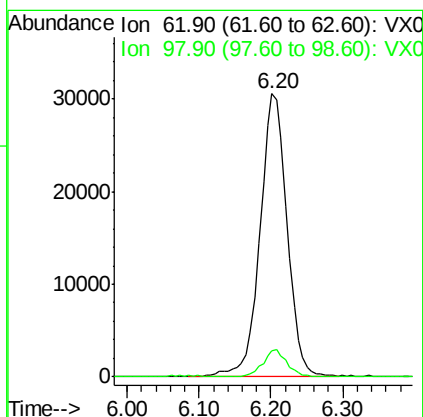
RT: 6.20 min Scan# 921

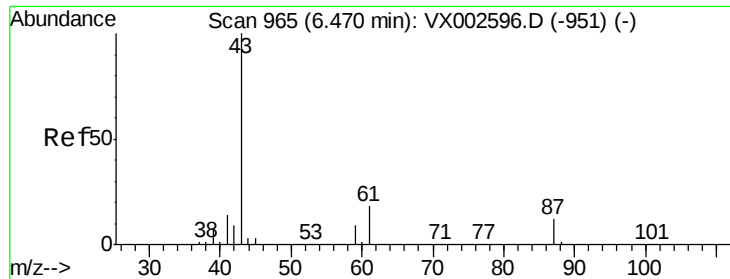
Delta R.T. -0.00 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

Tgt Ion:	62	Resp:	79917
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	16.6





#43

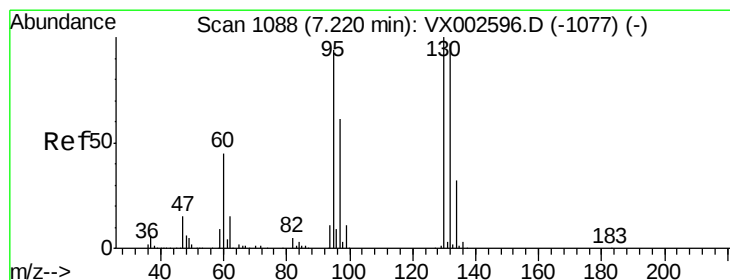
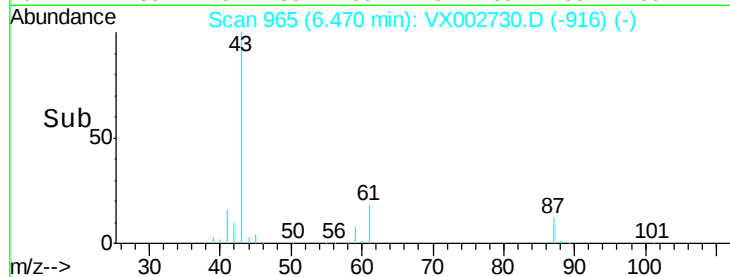
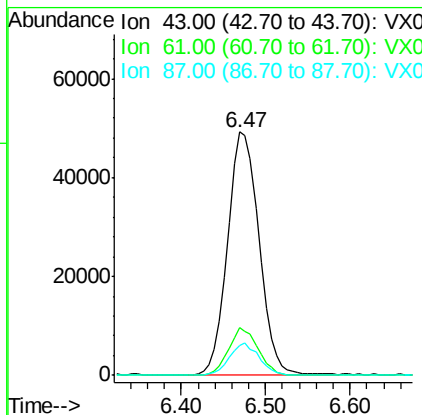
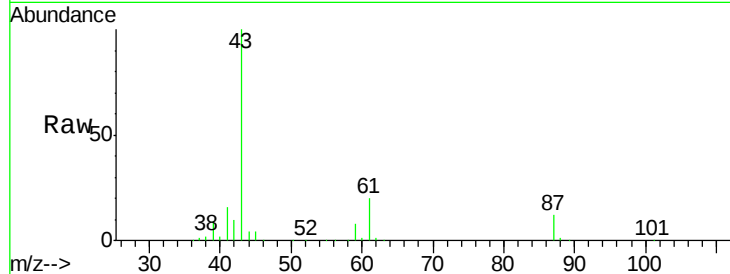
Isopropyl Acetate
 Concen: 19.50 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.00 min
 Lab File: VX002730.D
 Acq: 19 Jun 2018 22:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0619WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.5	14.4	21.6
87	12.6	9.5	14.3

Manual Integrations
 APPROVED

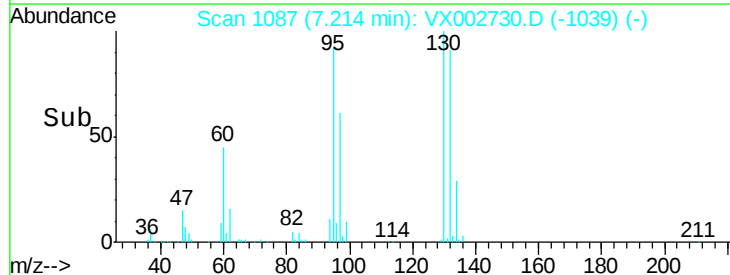
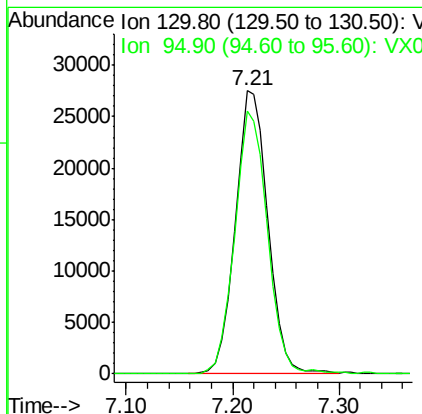
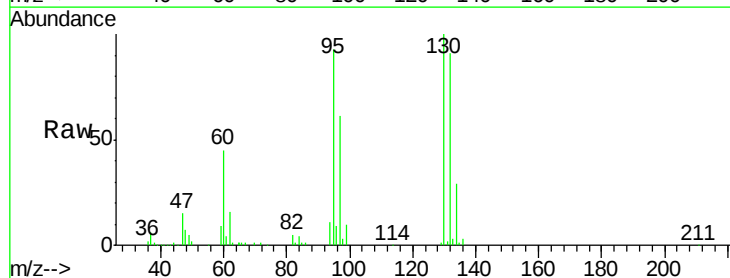
MMDadoda
 6/20/2018 6:26:57 PM

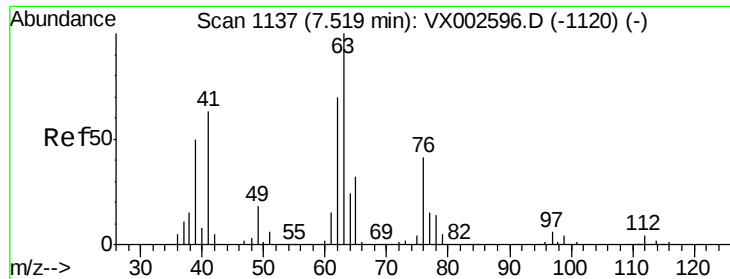


#44

Trichloroethene
 Concen: 19.96 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: VX002730.D
 Acq: 19 Jun 2018 22:57

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.7	0.0	185.4





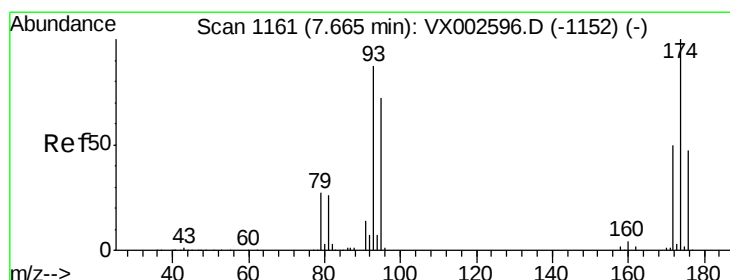
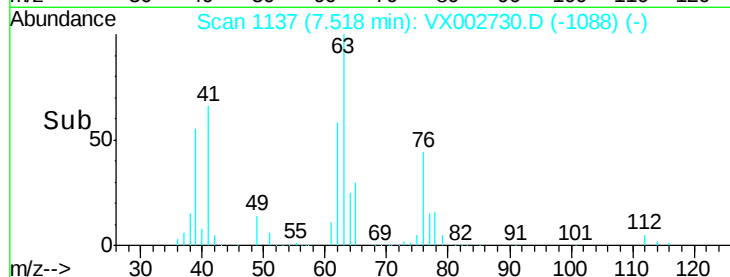
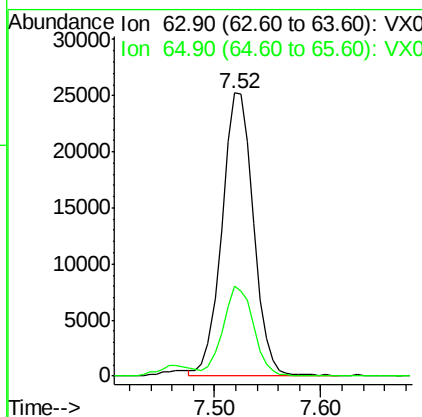
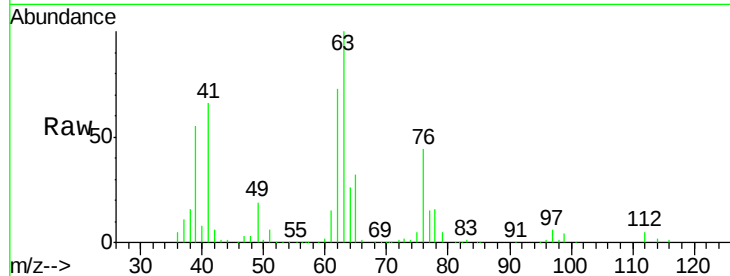
#45
 1,2-Dichloropropane
 Concen: 19.49 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX002730.D
 Acq: 19 Jun 2018 22:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0619WBSD01

Tot Ion: 63 Resp: 52502
 Ion Ratio Lower Upper
 63 100
 65 31.8 24.7 37.1

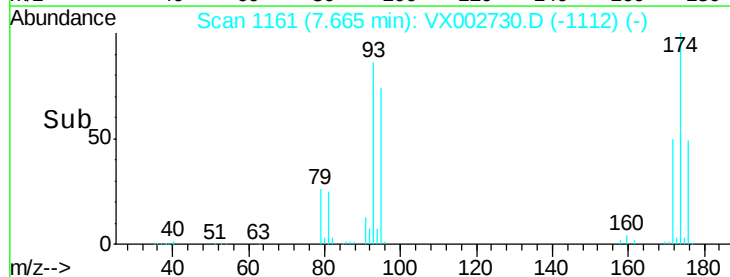
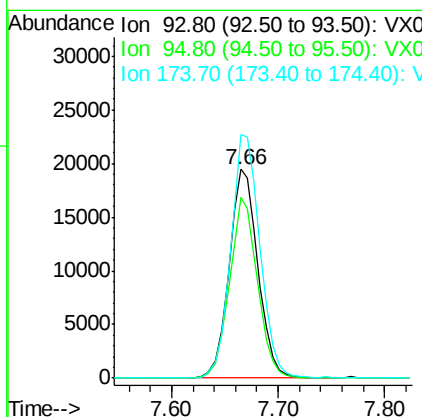
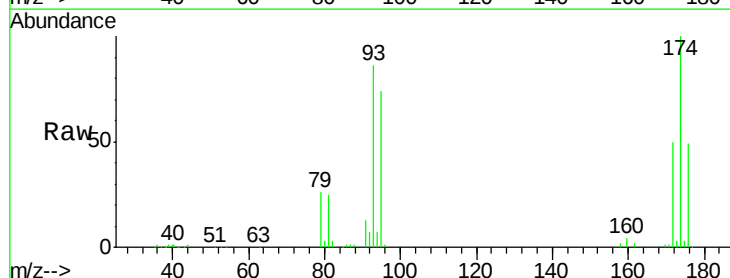
Manual Integrations
 APPROVED

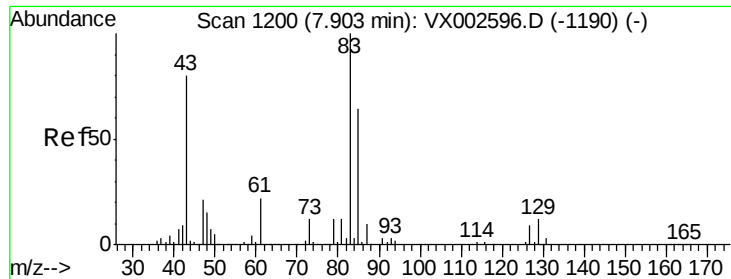
MMDadoda
 6/20/2018 6:26:57 PM



#46
 Dibromomethane
 Concen: 20.45 ug/l
 RT: 7.66 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX002730.D
 Acq: 19 Jun 2018 22:57

Tgt Ion: 93 Resp: 36855
 Ion Ratio Lower Upper
 93 100
 95 83.6 65.9 98.9
 174 118.2 92.4 138.6





#47

Bromodichloromethane

Concen: 20.78 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

Instrument :

MSVOA_X

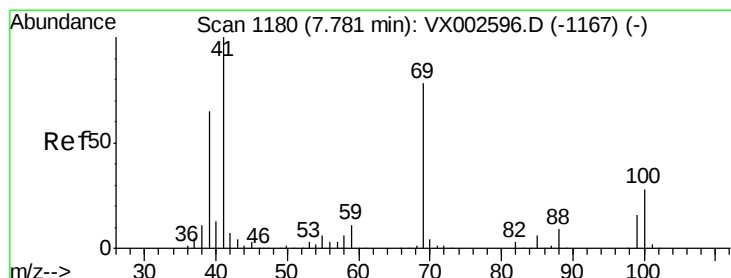
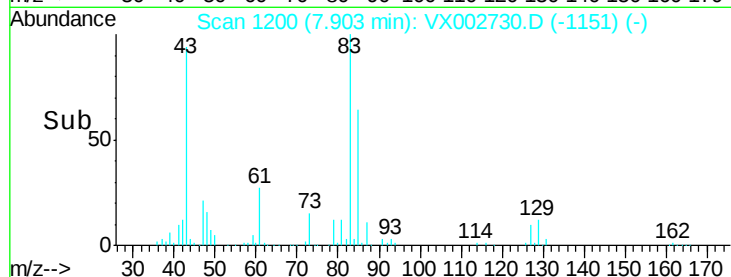
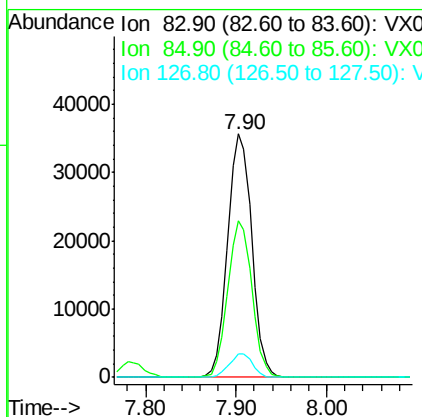
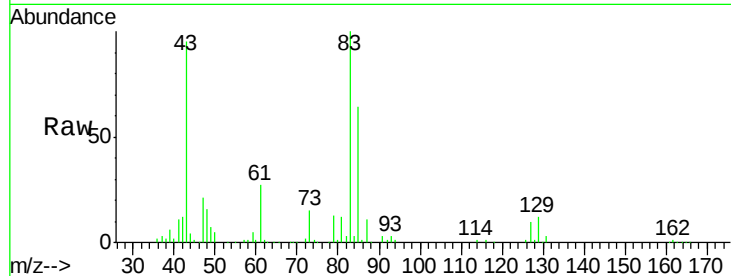
ClientSampleId :

VX0619WBSD01

Tot Ion:	83	Resp:	66034
Ion Ratio	Lower	Upper	
83	100		
85	64.1	50.3	75.5
127	9.6	7.0	10.4

Manual Integrations
APPROVED

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



#48

Methyl methacrylate

Concen: 19.72 ug/l

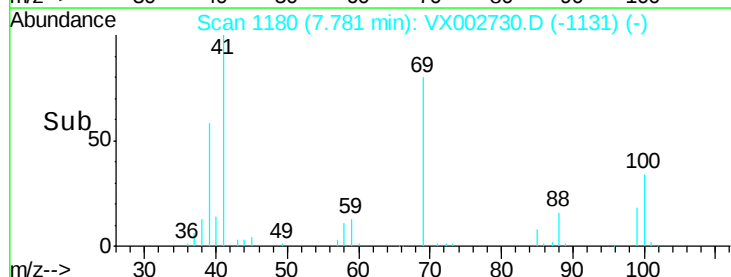
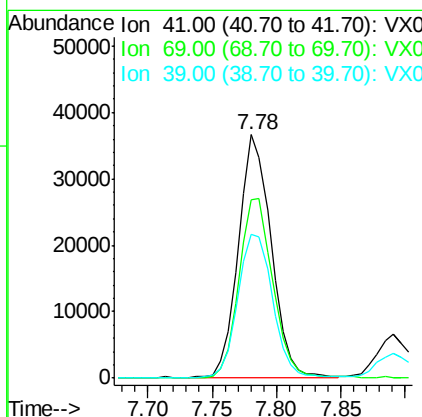
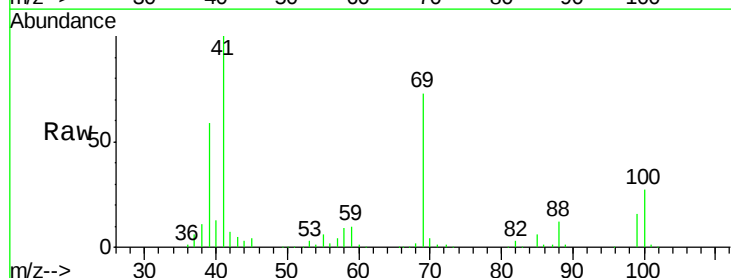
RT: 7.78 min Scan# 1180

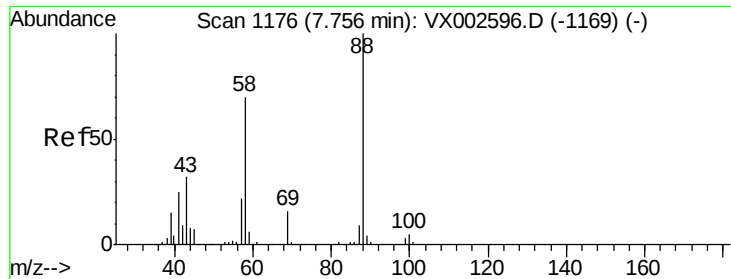
Delta R.T. -0.00 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

Tgt Ion:	41	Resp:	64511
Ion Ratio	Lower	Upper	
41	100		
69	77.1	59.1	88.7
39	63.0	48.9	73.3





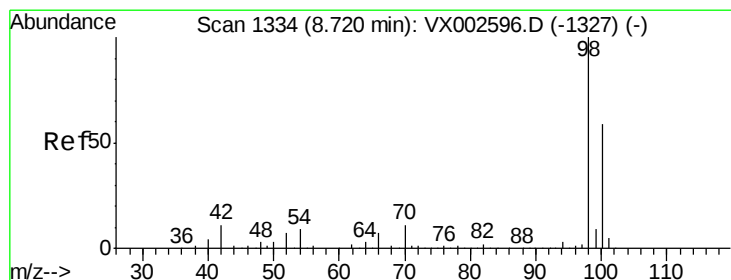
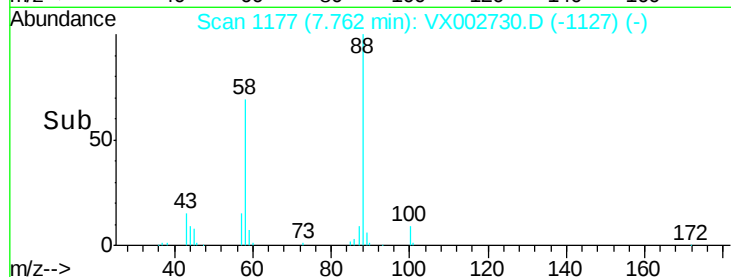
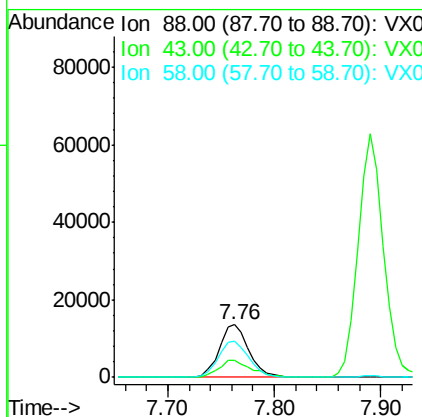
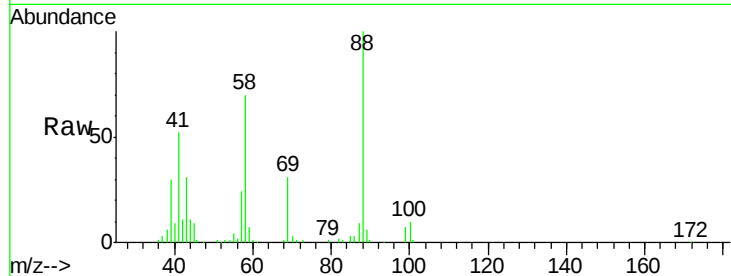
#49
1,4-Dioxane
Concen: 424.37 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VX002730.D
Acq: 19 Jun 2018 22:57

Instrument :
MSVOA_X
ClientSampleId :
VX0619WBSD01

Tot Ion	88	Resp	26291
Ion Ratio	Lower	Upper	
88	100		
43	35.5	29.8	44.6
58	72.0	57.1	85.7

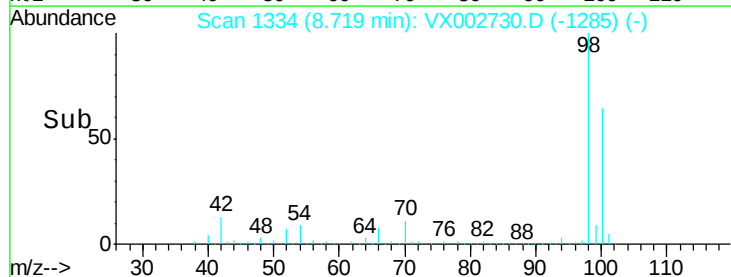
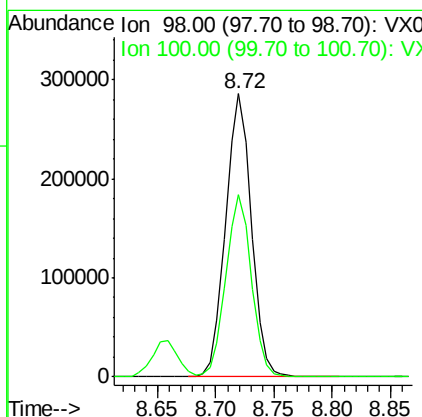
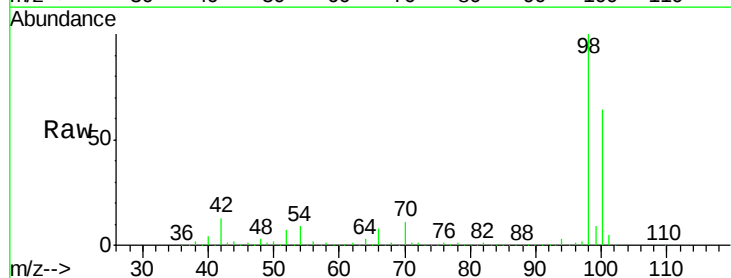
Manual Integrations
APPROVED

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



#50
Toluene-d8
Concen: 45.15 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002730.D
Acq: 19 Jun 2018 22:57

Tgt Ion	98	Resp	439792
Ion Ratio	Lower	Upper	
98	100		
100	63.9	50.9	76.3





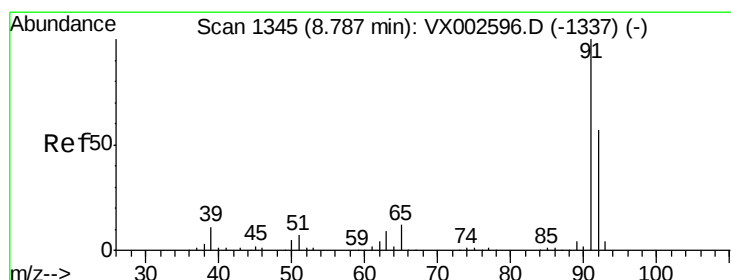
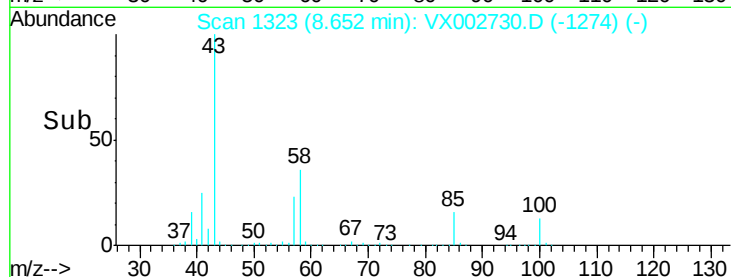
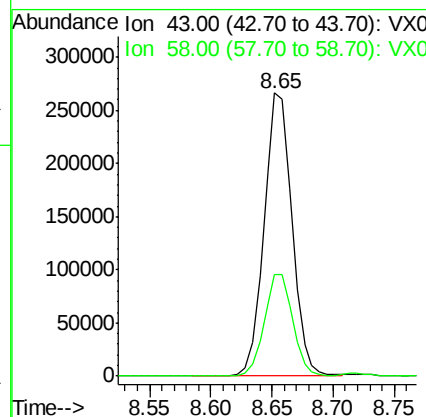
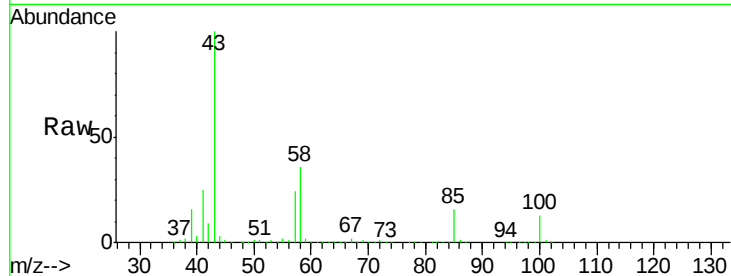
#51
4-Methyl-2-Pentanone
Concen: 103.26 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.00 min
Lab File: VX002730.D
Acq: 19 Jun 2018 22:57

Instrument :
MSVOA_X
ClientSampleId :
VX0619WBSD01

Tot Ion	43	Resp	424443
Ion Ratio	100	Lower	Upper
58	36.3	28.6	42.8

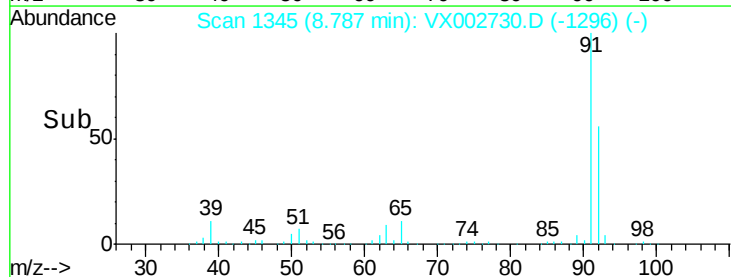
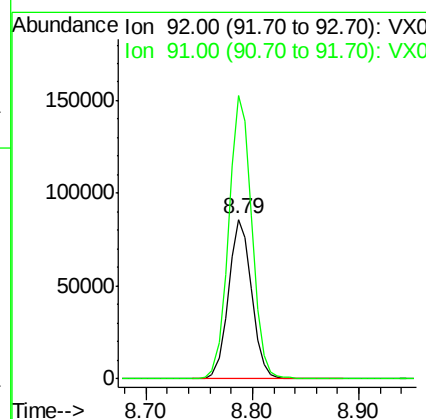
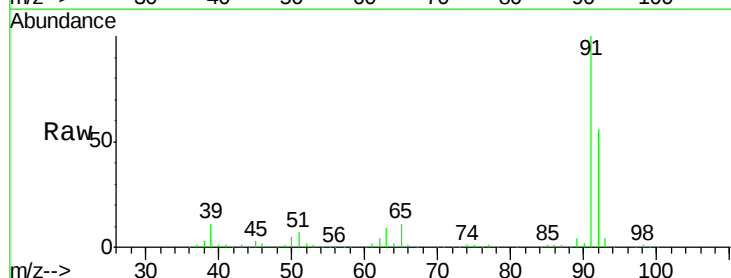
Manual Integrations
APPROVED

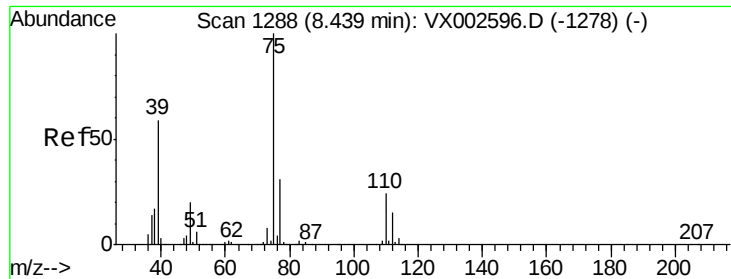
MMDadoda
6/20/2018 6:26:57 PM



#52
Toluene
Concen: 20.06 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VX002730.D
Acq: 19 Jun 2018 22:57

Tgt Ion	92	Resp	130970
Ion Ratio	100	Lower	Upper
91	177.9	140.4	210.6





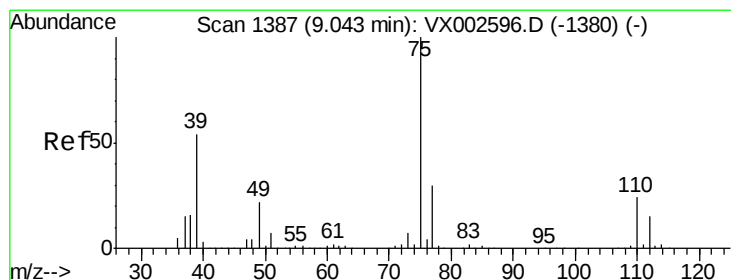
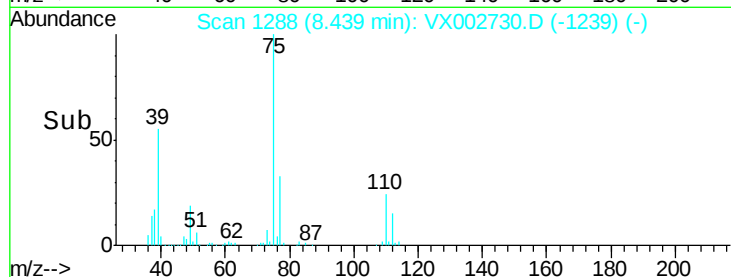
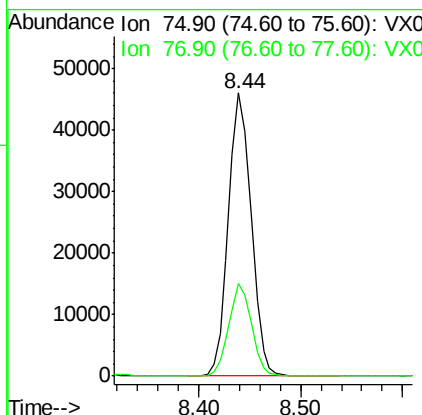
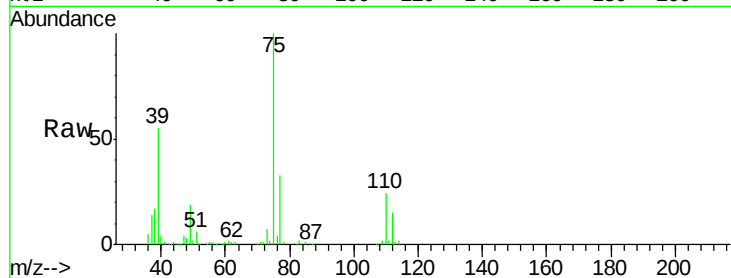
#53
t-1,3-Dichloropropene
Concen: 18.58 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX002730.D
Acq: 19 Jun 2018 22:57

Instrument :
MSVOA_X
ClientSampled :
VX0619WBSD01

Tot Ion: 75 Resp: 71544
Ion Ratio Lower Upper
75 100
77 32.6 25.4 38.2

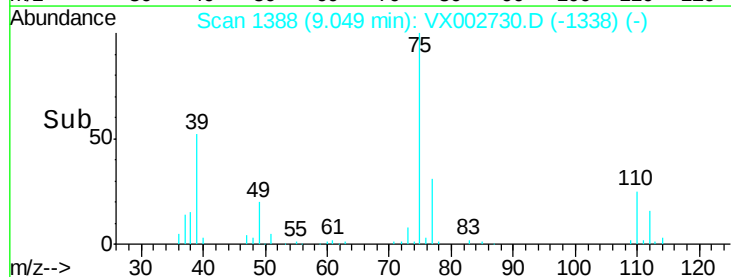
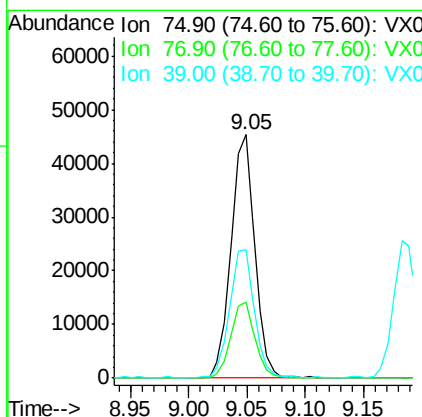
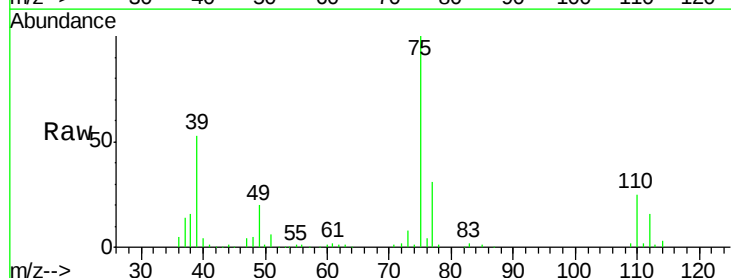
Manual Integrations
APPROVED

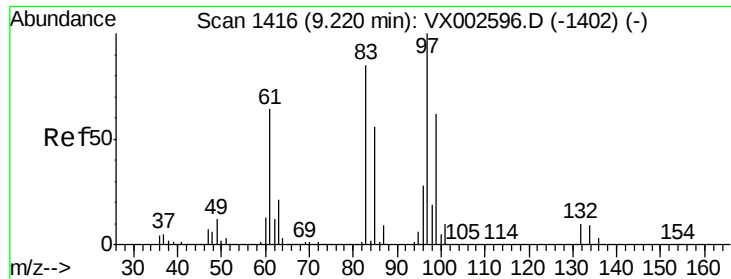
MMDadoda
6/20/2018 6:26:57 PM



#54
cis-1,3-Dichloropropene
Concen: 18.28 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.01 min
Lab File: VX002730.D
Acq: 19 Jun 2018 22:57

Tgt Ion: 75 Resp: 64639
Ion Ratio Lower Upper
75 100
77 31.0 24.8 37.2
39 52.3 42.4 63.6





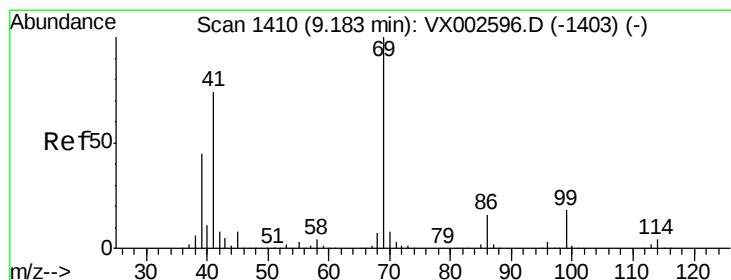
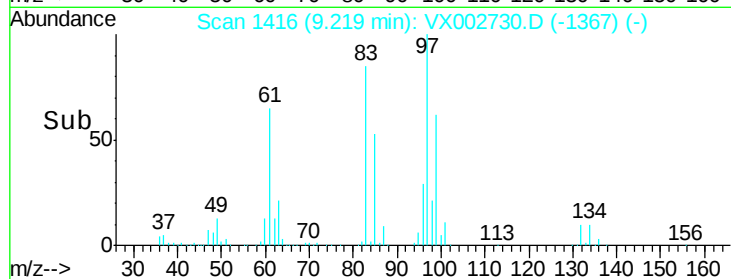
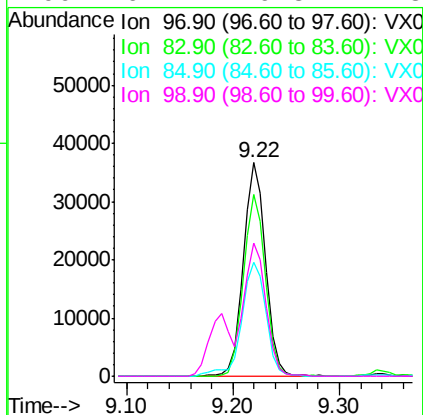
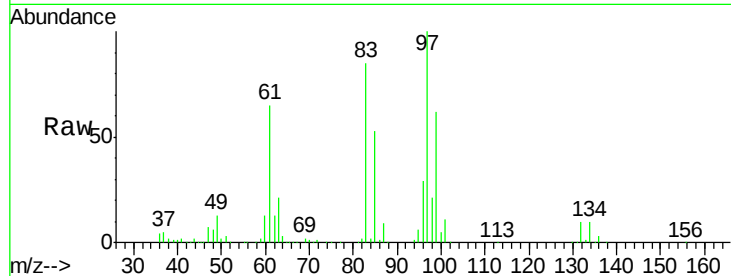
#55
 1,1,2-Trichloroethane
 Concen: 20.35 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002730.D
 Acq: 19 Jun 2018 22:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0619WBSD01

Tot Ion:	97	Resp:	53694
Ion	Ratio	Lower	Upper
97	100		
83	84.9	70.2	105.2
85	53.3	44.9	67.3
99	62.4	49.8	74.8

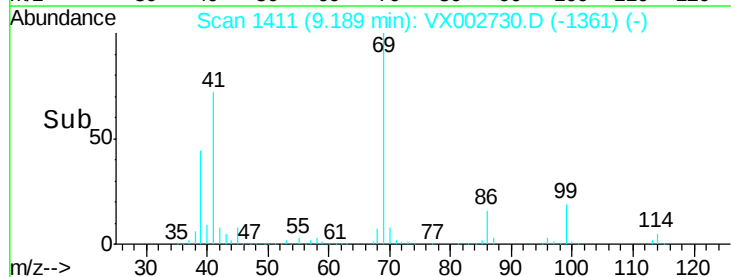
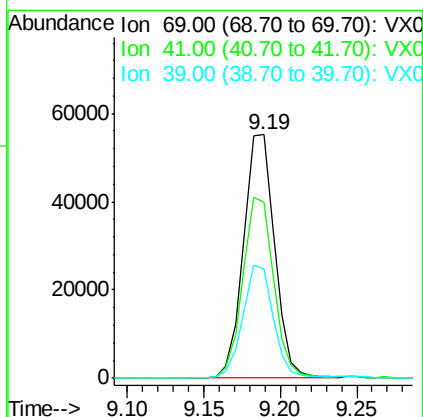
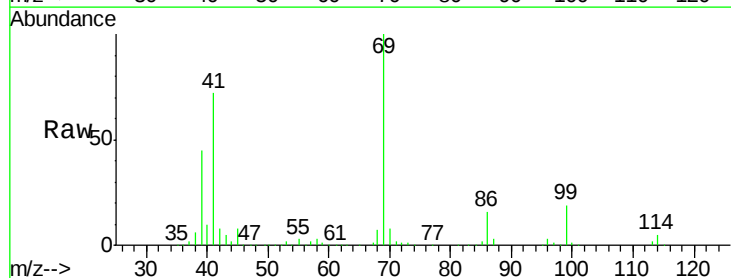
Manual Integrations
 APPROVED

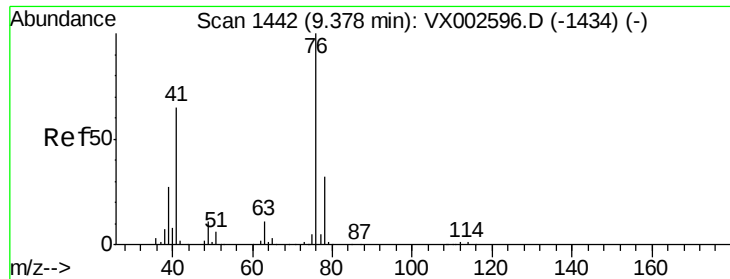
MMDadoda
 6/20/2018 6:26:57 PM



#56
 Ethyl methacrylate
 Concen: 19.29 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.01 min
 Lab File: VX002730.D
 Acq: 19 Jun 2018 22:57

Tgt Ion:	69	Resp:	78325
Ion	Ratio	Lower	Upper
69	100		
41	73.2	60.3	90.5
39	44.8	35.8	53.8





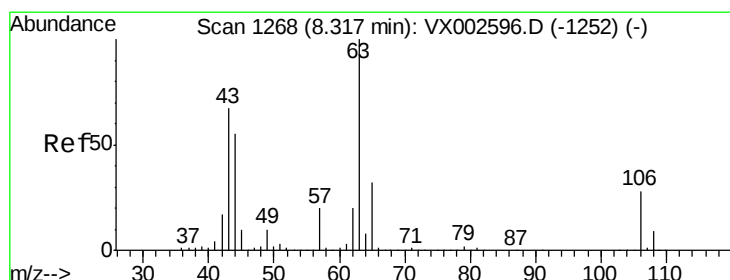
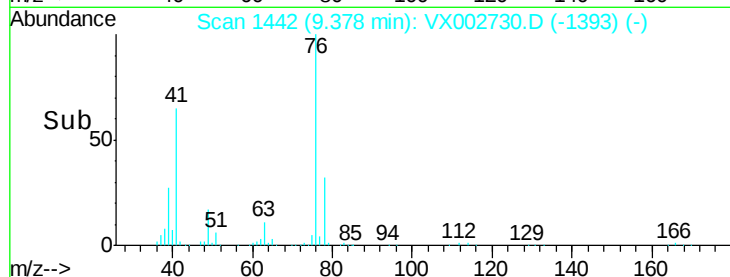
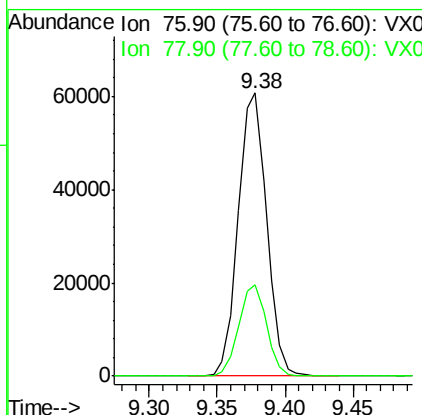
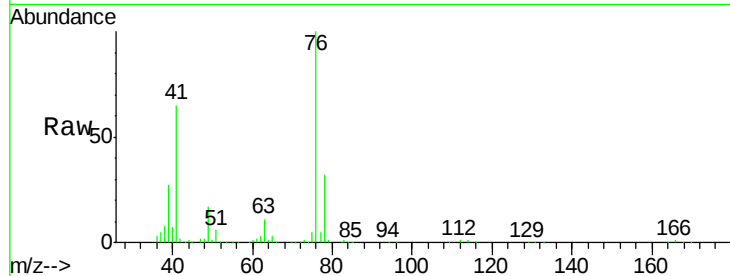
#57
 1,3-Dichloropropane
 Concen: 19.88 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VX002730.D
 Acq: 19 Jun 2018 22:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0619WBSD01

Tot Ion: 76 Resp: 88720
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.8 38.6

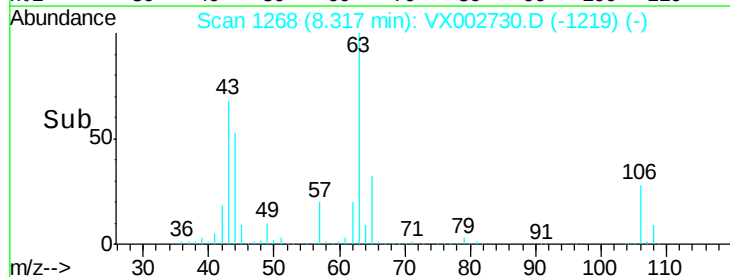
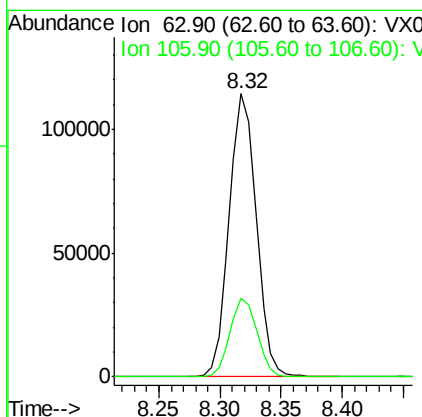
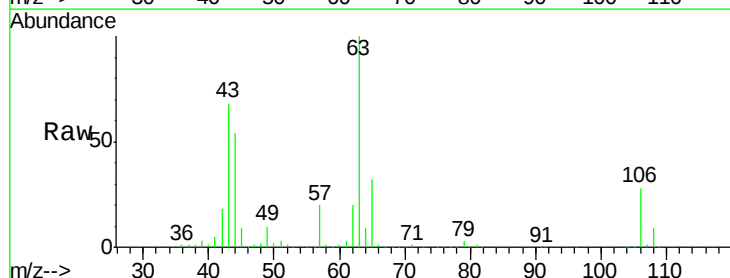
Manual Integrations
 APPROVED

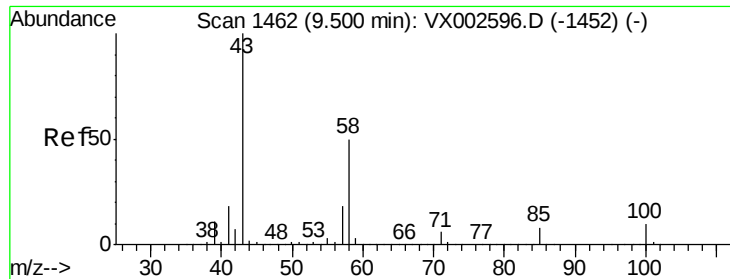
MMDadoda
 6/20/2018 6:26:57 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 89.83 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX002730.D
 Acq: 19 Jun 2018 22:57

Tgt Ion: 63 Resp: 176411
 Ion Ratio Lower Upper
 63 100
 106 27.6 21.8 32.8





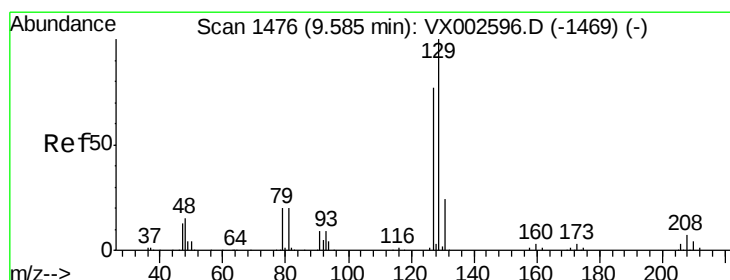
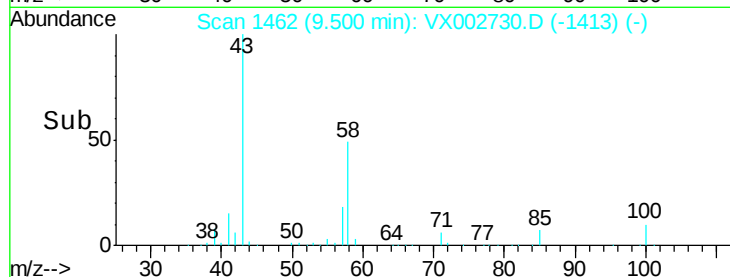
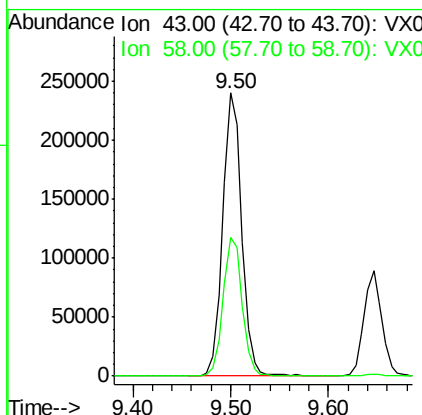
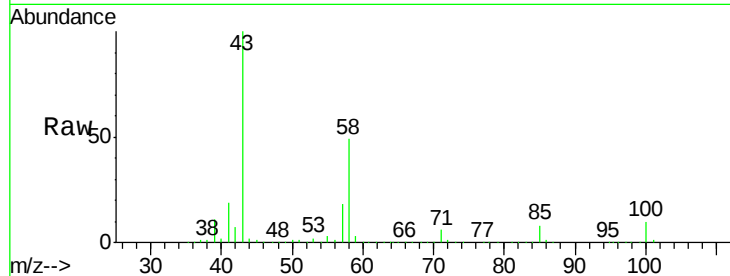
#59
2-Hexanone
Concen: 104.20 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX002730.D
Acq: 19 Jun 2018 22:57

Instrument :
MSVOA_X
ClientSampleId :
VX0619WBSD01

Tot Ion: 43 Resp: 322735
Ion Ratio Lower Upper
43 100
58 49.6 24.6 73.6

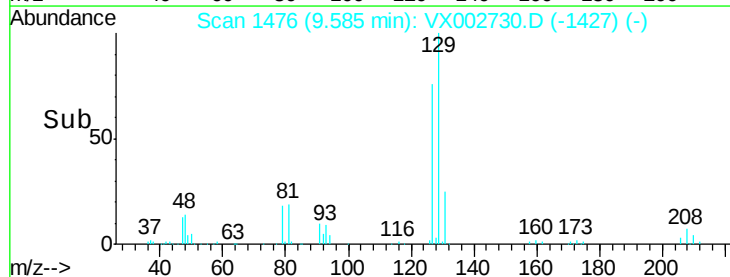
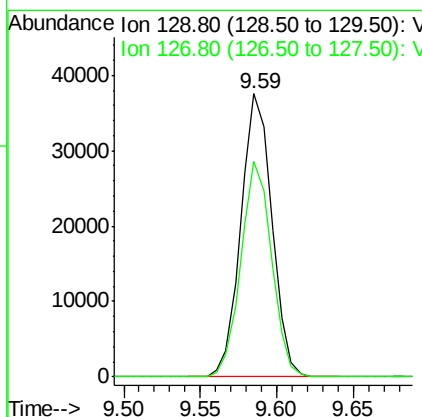
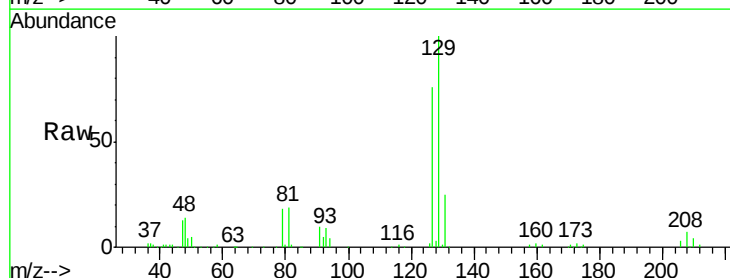
Manual Integrations
APPROVED

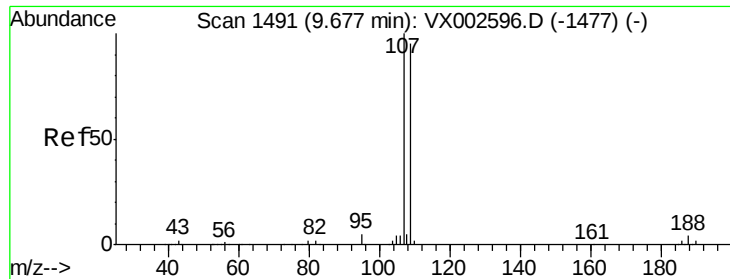
MMDadoda
6/20/2018 6:26:57 PM



#60
Dibromochloromethane
Concen: 20.25 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX002730.D
Acq: 19 Jun 2018 22:57

Tgt Ion: 129 Resp: 52916
Ion Ratio Lower Upper
129 100
127 75.0 38.5 115.3





#61

1,2-Dibromoethane

Concen: 20.95 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

Instrument :

MSVOA_X

ClientSampleId :

VX0619WBSD01

Tot Ion:107 Resp: 57249

Ion Ratio Lower Upper

107 100

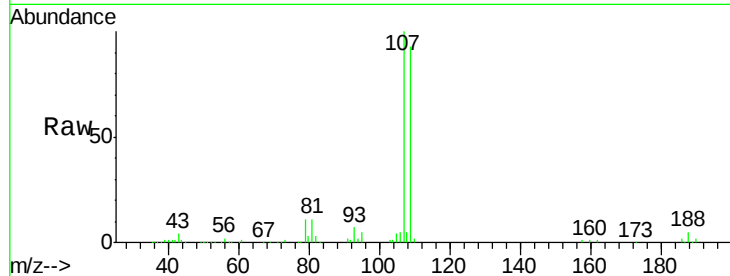
109 93.7 75.3 112.9

Manual Integrations

APPROVED

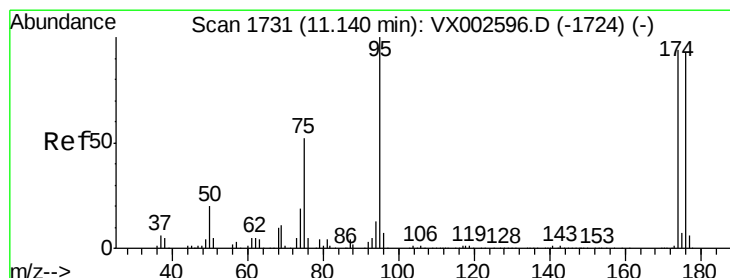
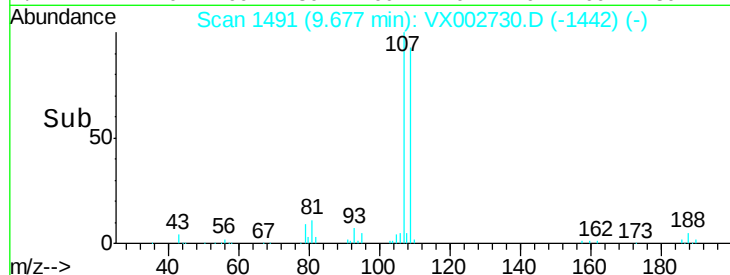
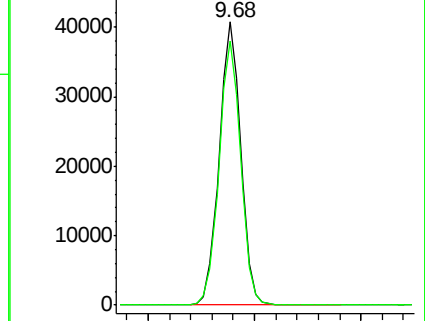
MMDadoda

6/20/2018 6:26:57 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 44.31 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

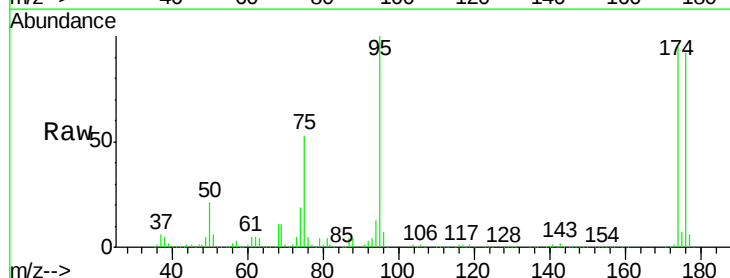
Tgt Ion: 95 Resp: 163533

Ion Ratio Lower Upper

95 100

174 97.9 0.0 187.4

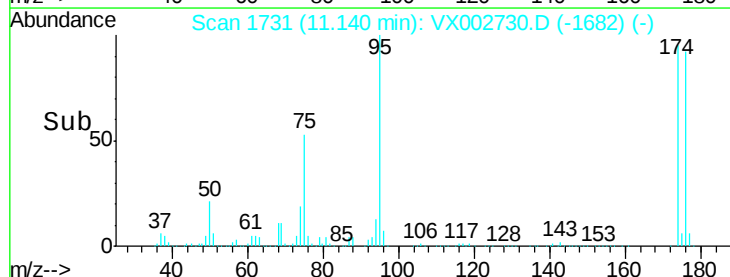
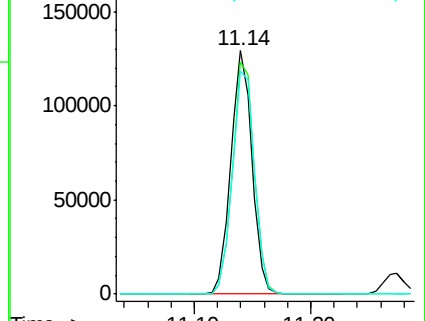
176 96.2 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





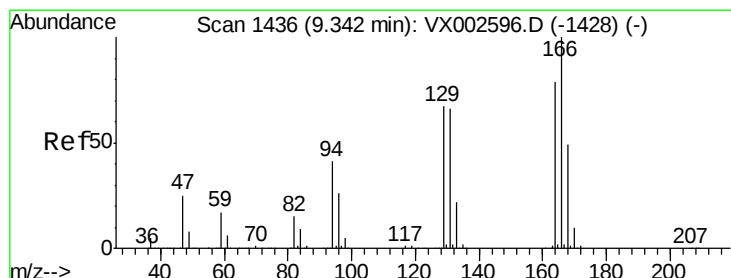
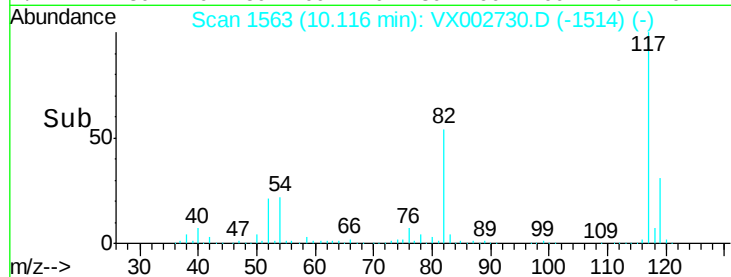
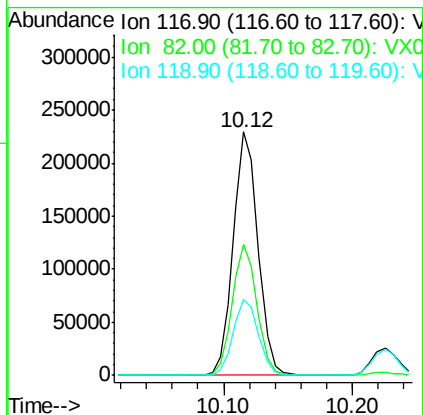
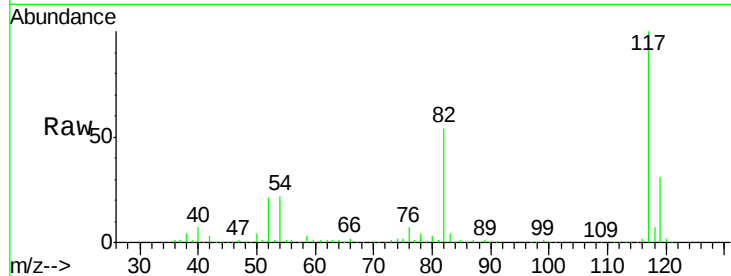
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002730.D
Acq: 19 Jun 2018 22:57

Instrument :
MSVOA_X
ClientSampleId :
VX0619WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	45.0	67.4
119	31.3	25.8	38.6

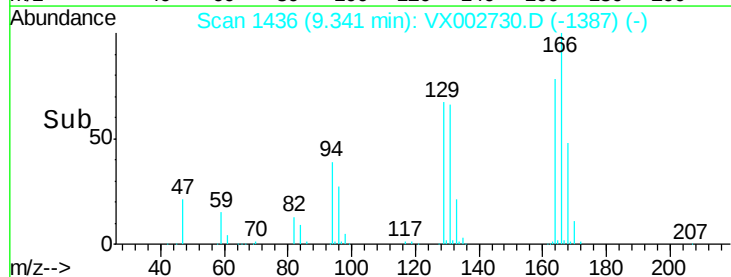
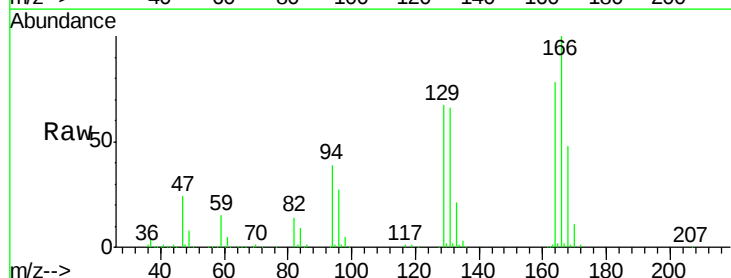
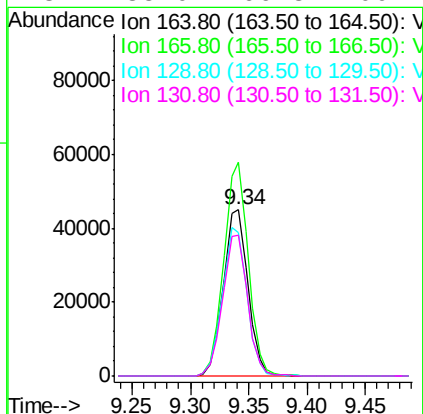
Manual Integrations
APPROVED

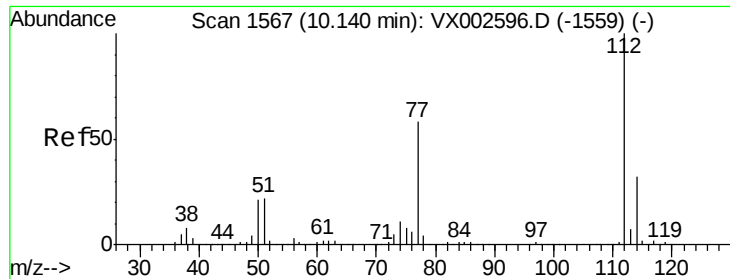
MMDadoda
6/20/2018 6:26:57 PM



#64
Tetrachloroethene
Concen: 19.35 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX002730.D
Acq: 19 Jun 2018 22:57

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.6	102.9	154.3
129	86.4	68.6	102.8
131	85.0	66.8	100.2





#65

Chlorobenzene

Concen: 20.28 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

Instrument :

MSVOA_X

ClientSampleId :

VX0619WBSD01

Tot Ion:112 Resp: 153596

Ion Ratio Lower Upper

112 100

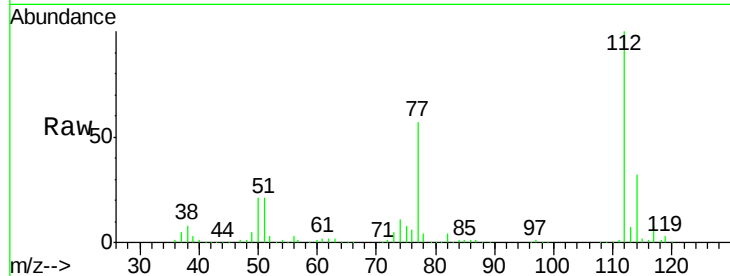
114 31.7 25.3 37.9

Manual Integrations

APPROVED

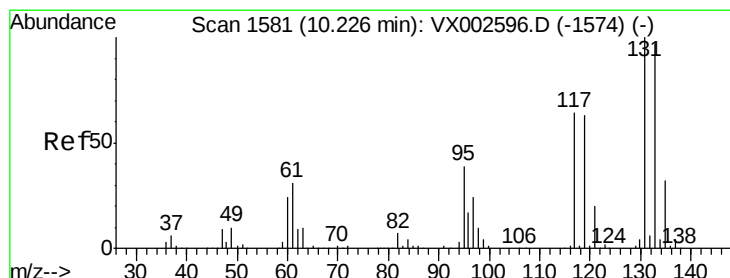
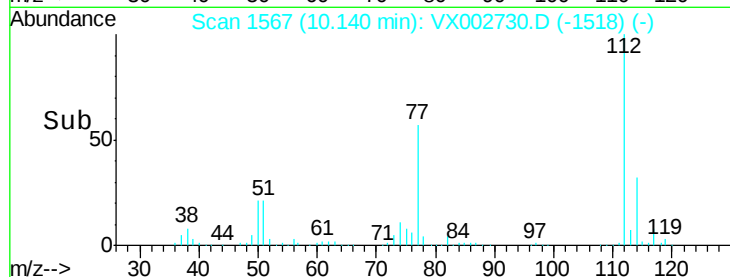
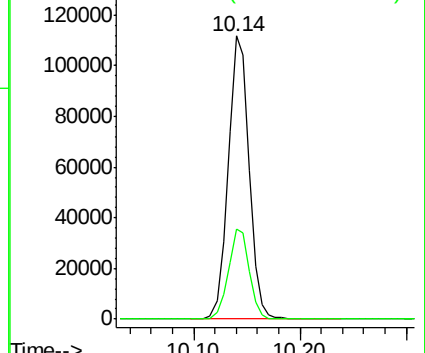
MMDadoda

6/20/2018 6:26:57 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.91 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

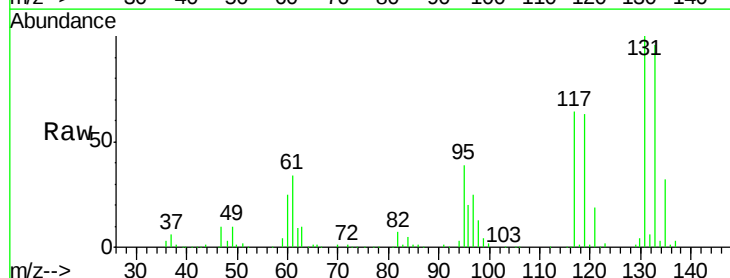
Tgt Ion:131 Resp: 53994

Ion Ratio Lower Upper

131 100

133 97.4 47.9 143.6

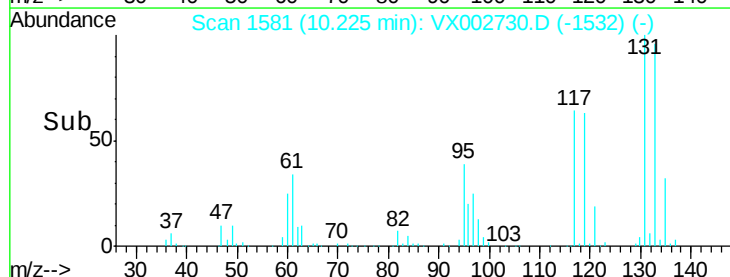
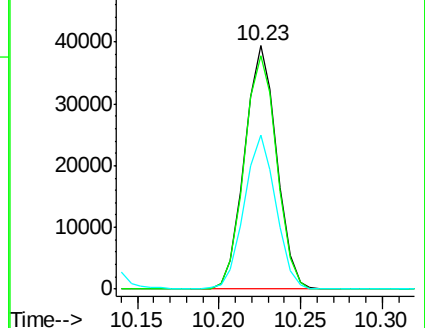
119 63.0 31.8 95.3

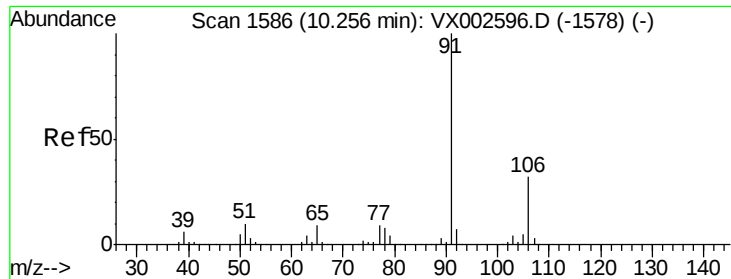


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.71 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

Instrument :

MSVOA_X

ClientSampleId :

VX0619WBSD01

Tot Ion: 91 Resp: 251865

Ion Ratio Lower Upper

91 100

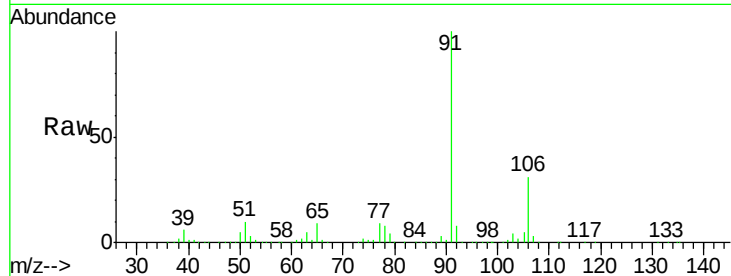
106 31.1 25.5 38.3

Manual Integrations

APPROVED

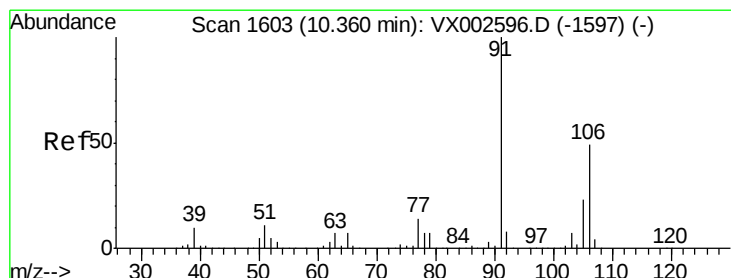
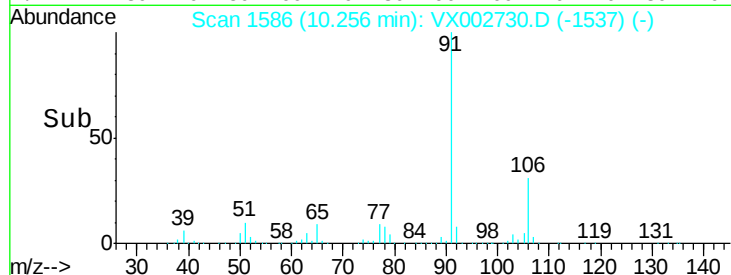
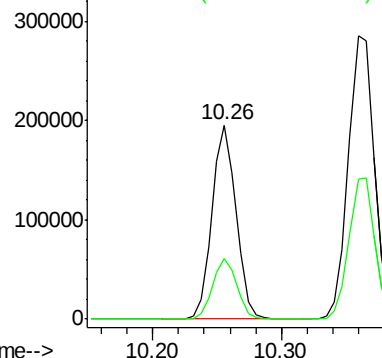
MMDadoda

6/20/2018 6:26:57 PM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 39.83 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.01 min

Lab File: VX002730.D

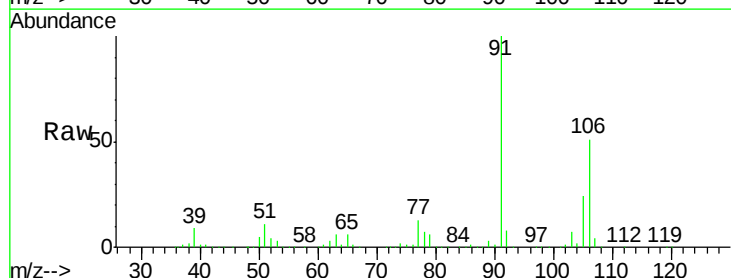
Acq: 19 Jun 2018 22:57

Tgt Ion: 106 Resp: 196303

Ion Ratio Lower Upper

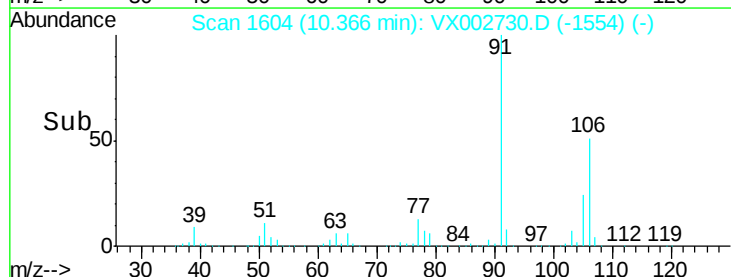
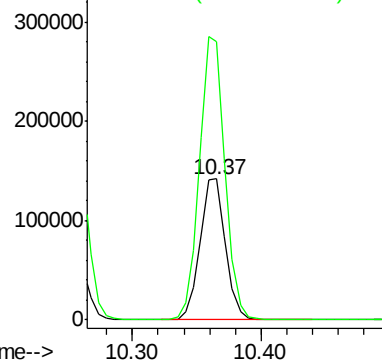
106 100

91 202.0 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





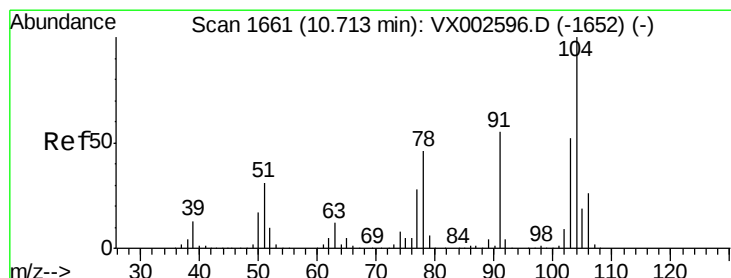
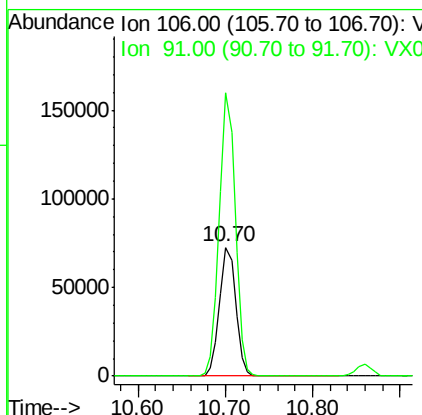
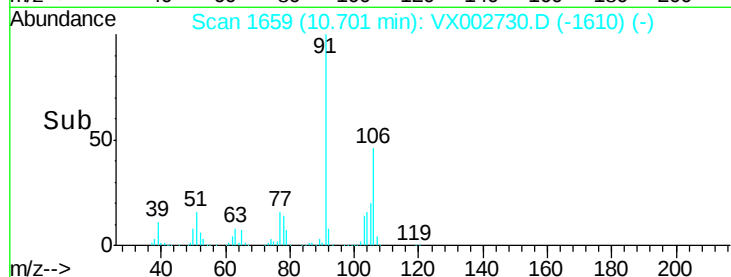
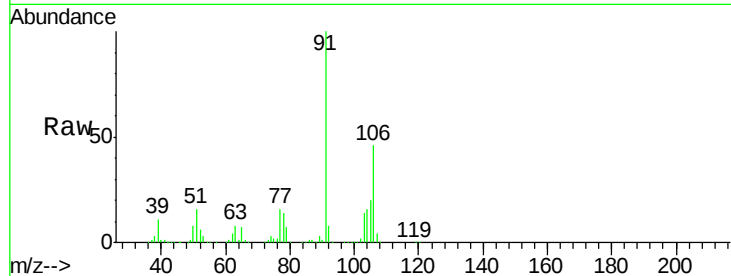
#69
o-Xylene
Concen: 19.43 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002730.D
Acq: 19 Jun 2018 22:57

Instrument :
MSVOA_X
ClientSampleId :
VX0619WBSD01

Tot Ion:106 Resp: 94076
Ion Ratio Lower Upper
106 100
91 216.5 108.2 324.6

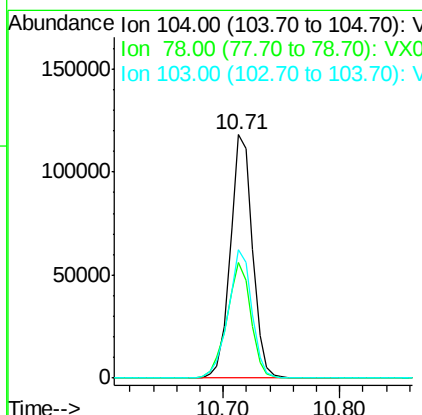
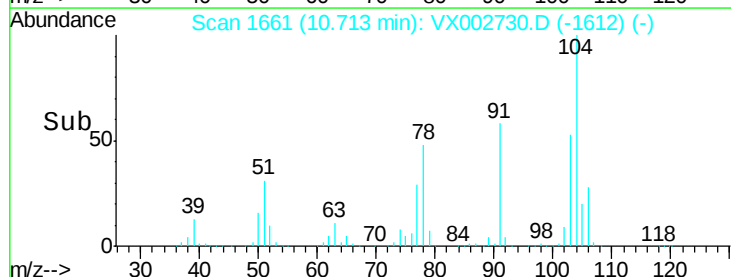
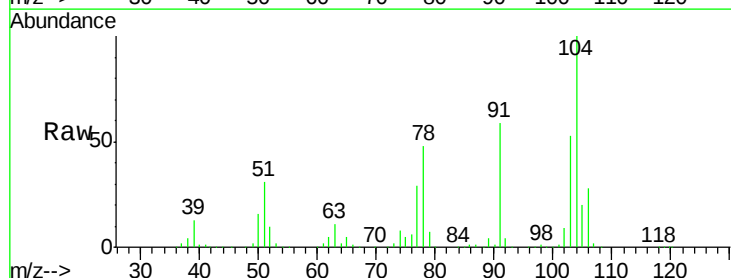
Manual Integrations
APPROVED

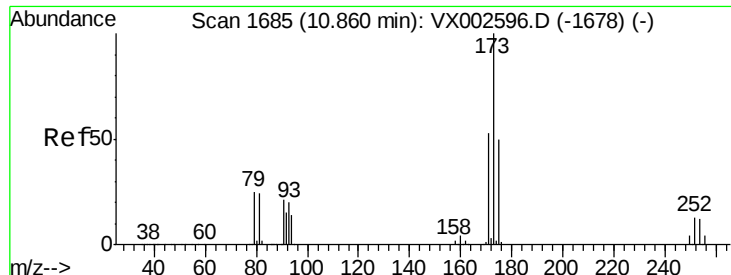
MMDadoda
6/20/2018 6:26:57 PM



#70
Styrene
Concen: 19.62 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX002730.D
Acq: 19 Jun 2018 22:57

Tgt Ion:104 Resp: 156251
Ion Ratio Lower Upper
104 100
78 51.5 41.0 61.6
103 56.4 44.2 66.4





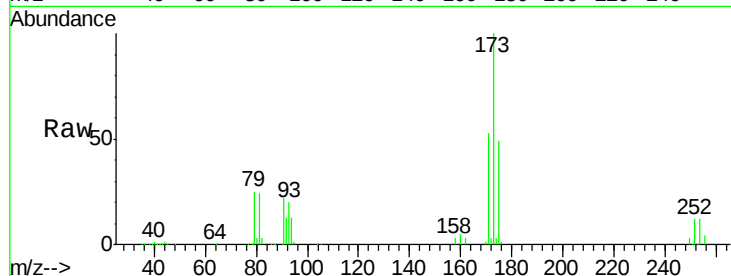
#71
Bromoform
Concen: 20.04 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX002730.D
Acq: 19 Jun 2018 22:57

Instrument :
MSVOA_X
ClientSampleId :
VX0619WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.7	74.1
254	0.1	0.2	0.2#

Manual Integrations
APPROVED

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

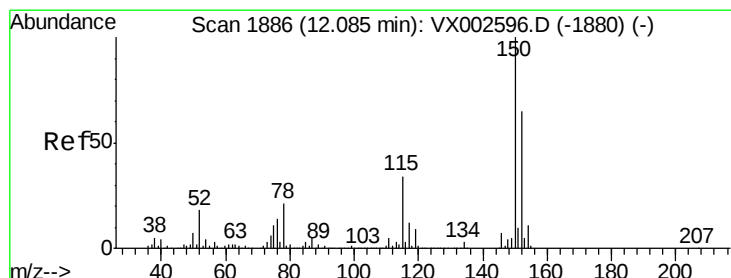
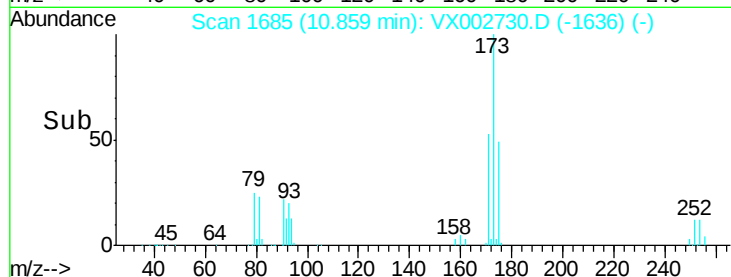
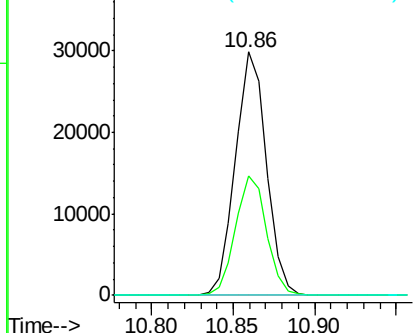


Abundance

Ion 172.70 (172.40 to 173.40): V

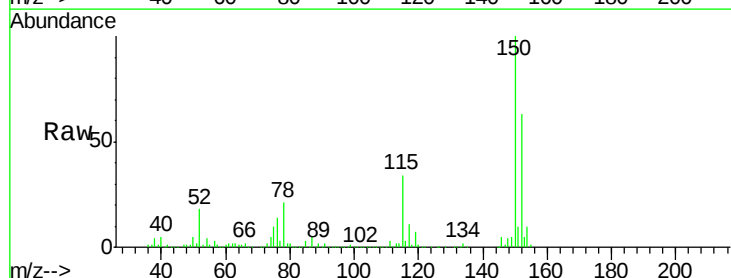
Ion 174.70 (174.40 to 175.40): V

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: VX002730.D
Acq: 19 Jun 2018 22:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.5	40.1	120.2
150	164.4	0.0	347.2

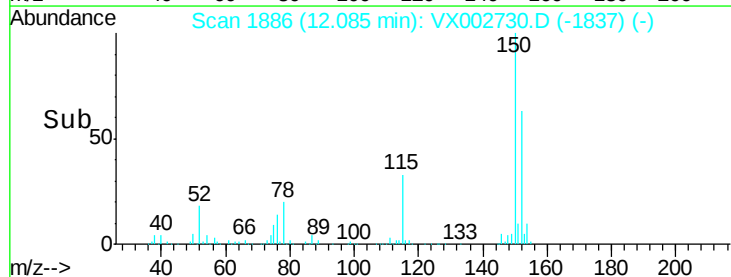
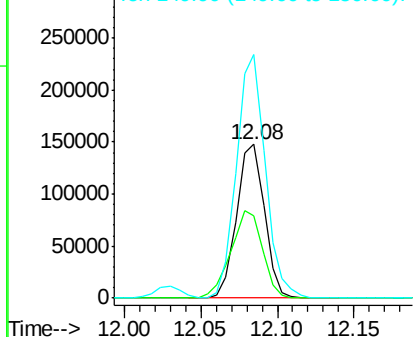


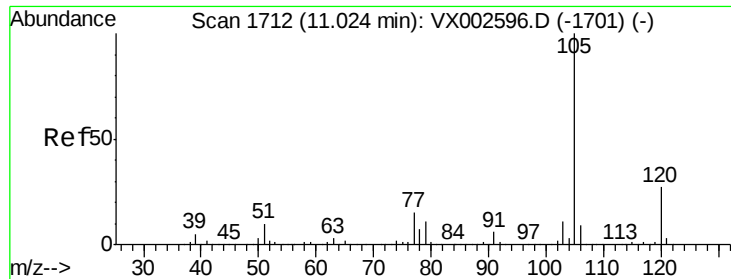
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.62 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

Instrument :

MSVOA_X

ClientSampleId :

VX0619WBSD01

Tot Ion: 105 Resp: 256951

Ion Ratio Lower Upper

105 100

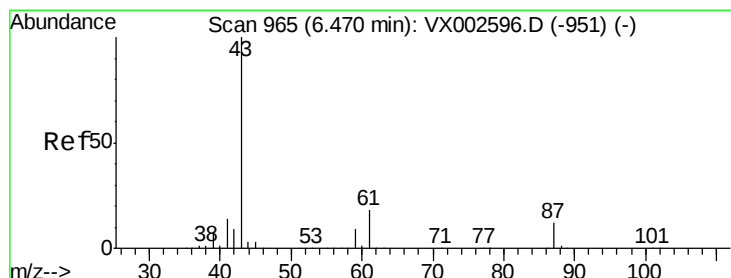
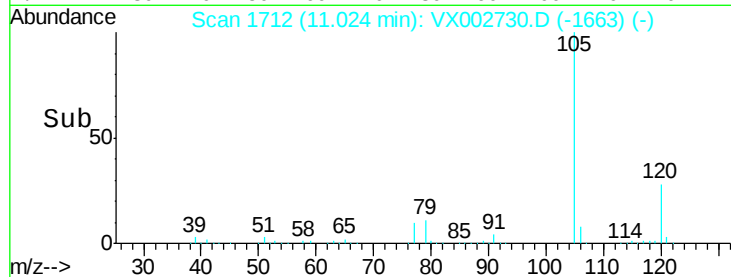
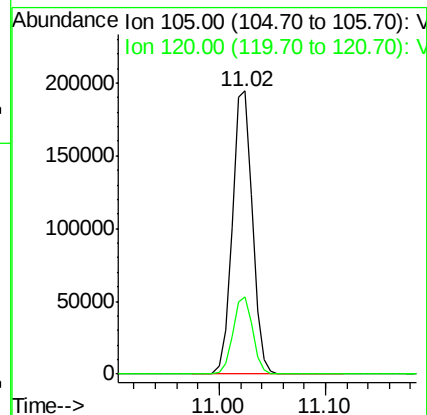
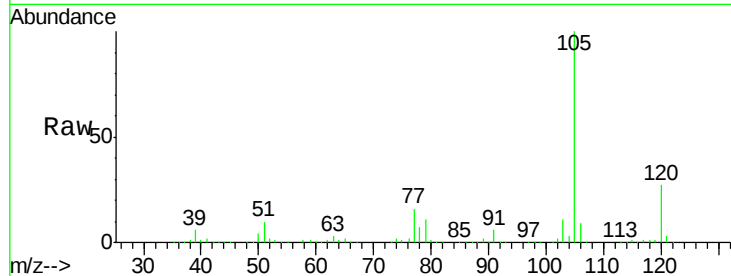
120 26.9 13.5 40.4

Manual Integrations

APPROVED

MMDadoda

6/20/2018 6:26:57 PM



#74

N-ethyl acetate

Concen: 20.17 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

Tgt Ion: 43 Resp: 124824

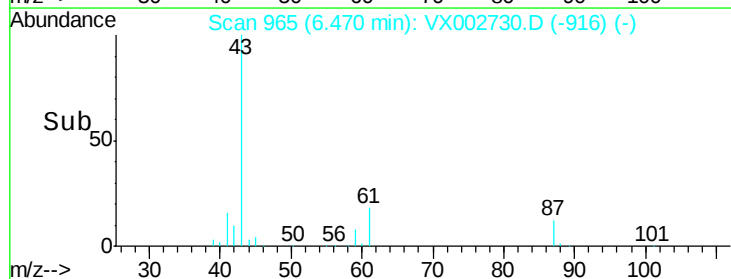
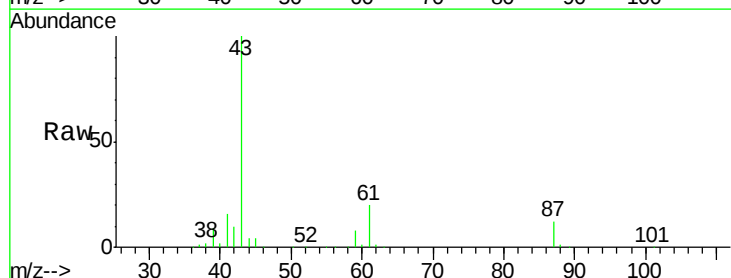
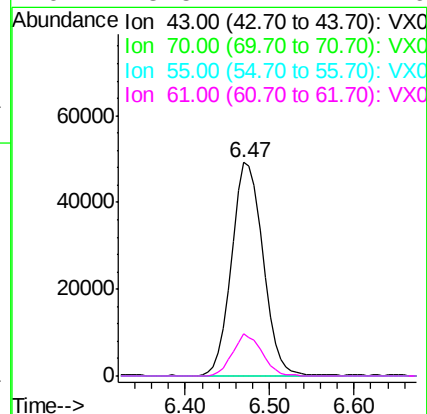
Ion Ratio Lower Upper

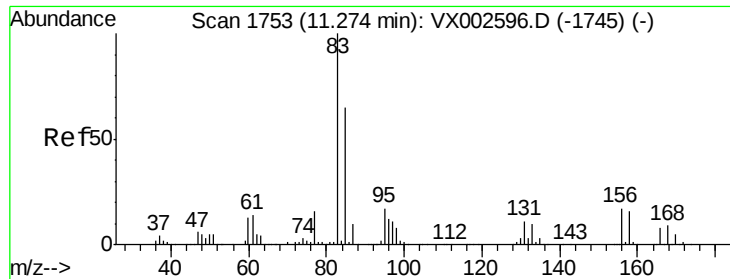
43 100

70 0.0 0.0 0.0

55 0.2 0.0 0.0#

61 18.5 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 22.11 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

Instrument :

MSVOA_X

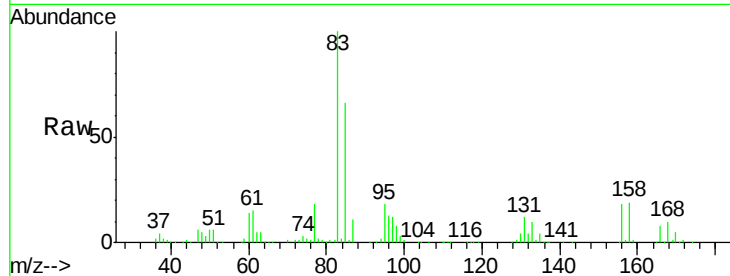
ClientSampleId :

VX0619WBSD01

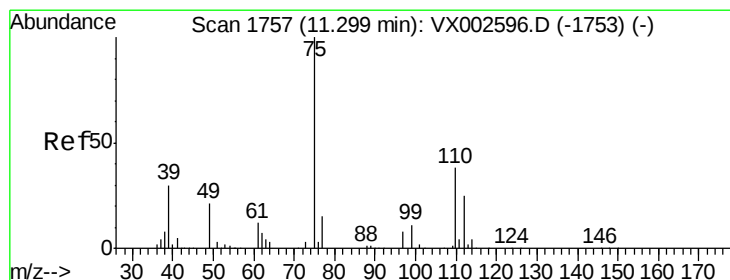
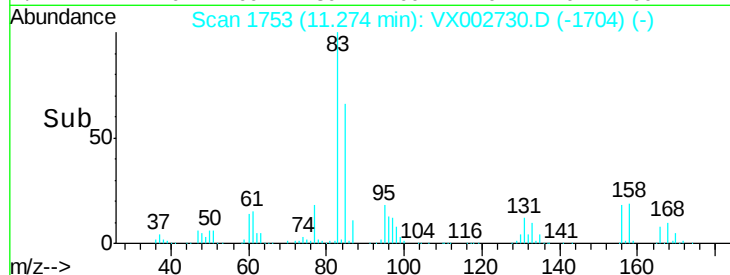
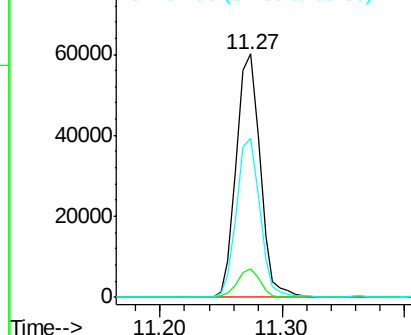
Tot Ion:	83	Resp:	81334
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.6	16.8
85	64.1	32.4	97.2

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: 21.77 ug/l m

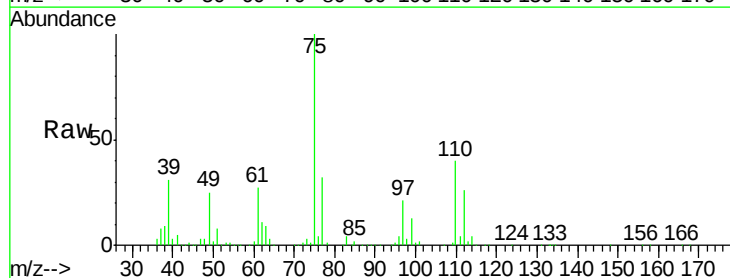
RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

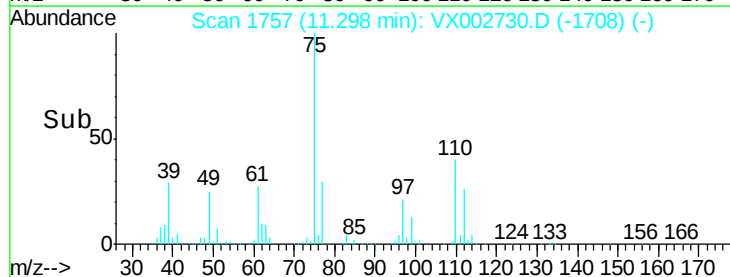
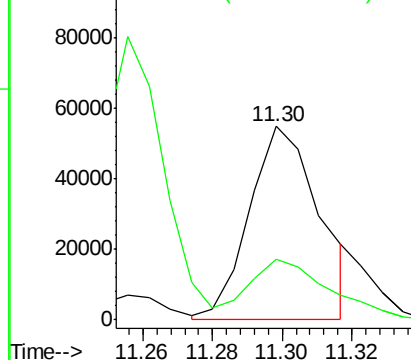
Lab File: VX002730.D

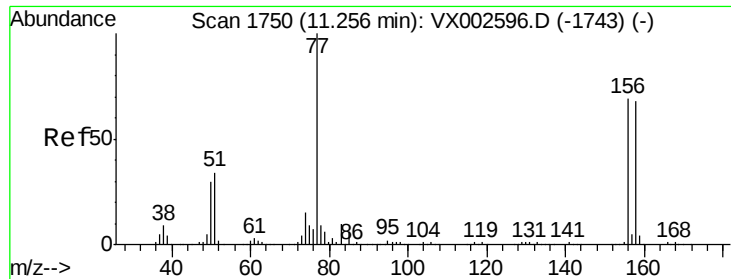
Acq: 19 Jun 2018 22:57

Tgt Ion:	75	Resp:	76537
Ion Ratio	Lower	Upper	
75	100		
77	36.2	22.8	68.3



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





#77

Bromobenzene

Concen: 20.92 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

Instrument :

MSVOA_X

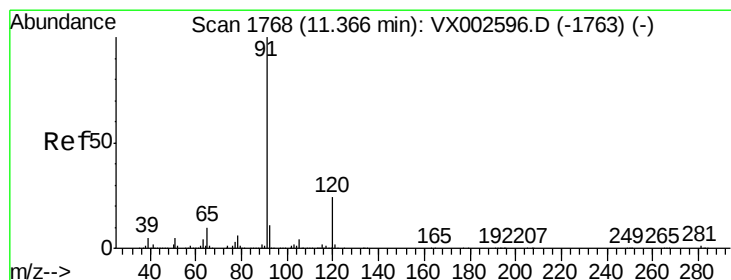
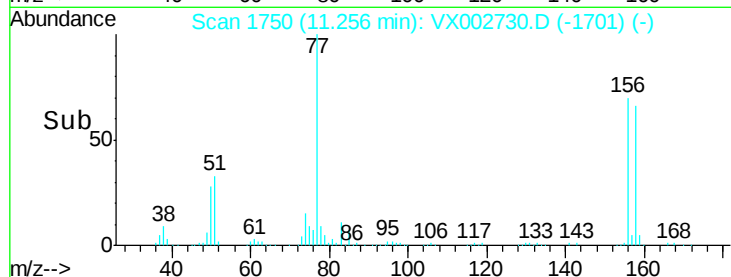
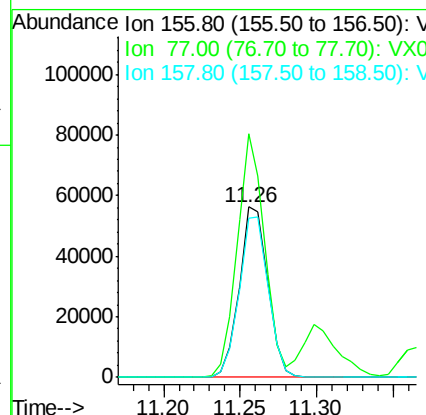
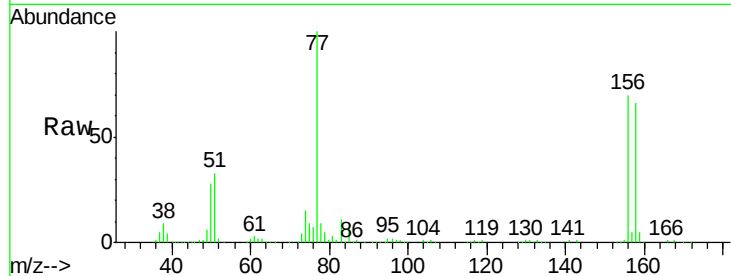
ClientSampleId :

VX0619WBSD01

Tot Ion:	156	Resp:	72606
Ion	Ratio	Lower	Upper
156	100		
77	137.1	71.4	214.2
158	96.5	48.9	146.6

Manual Integrations
APPROVED

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



#78

n-propylbenzene

Concen: 20.23 ug/l

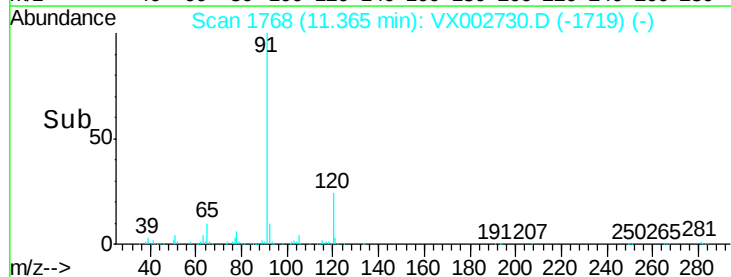
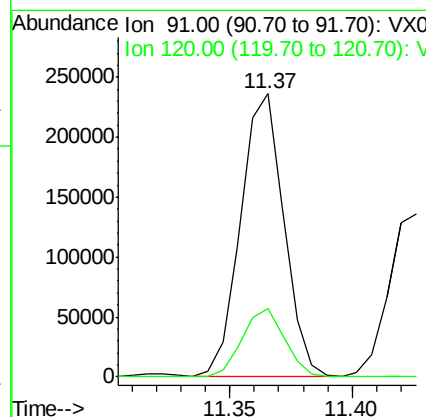
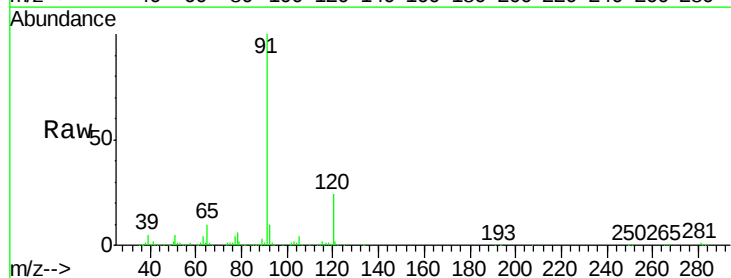
RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

Tgt Ion:	91	Resp:	289107
Ion	Ratio	Lower	Upper
91	100		
120	24.0	11.8	35.4





#79

2-Chlorotoluene

Concen: 20.26 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

Instrument :

MSVOA_X

ClientSampleId :

VX0619WBSD01

Tot Ion: 91 Resp: 172843

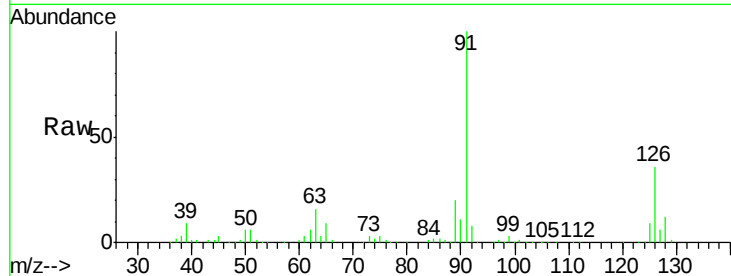
Ion Ratio Lower Upper

91 100

126 36.3 17.7 53.1

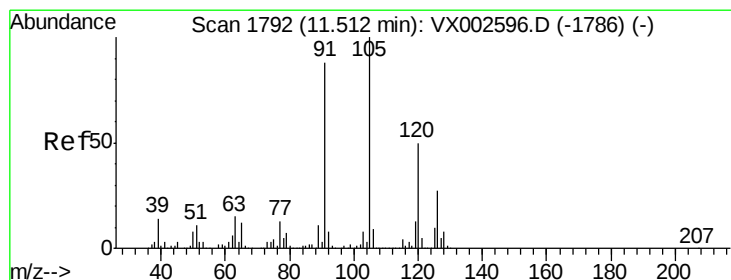
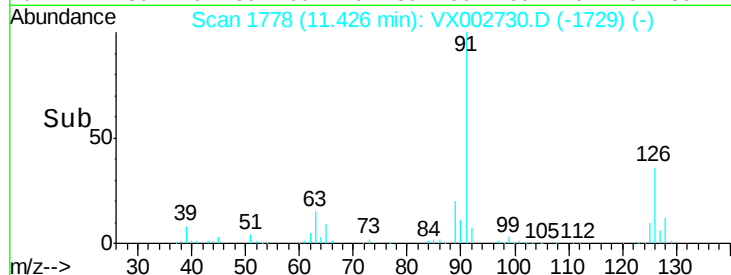
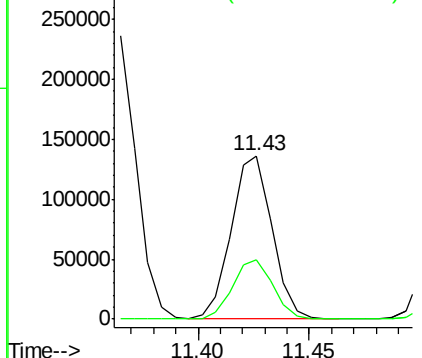
Manual Integrations
APPROVED

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



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.62 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002730.D

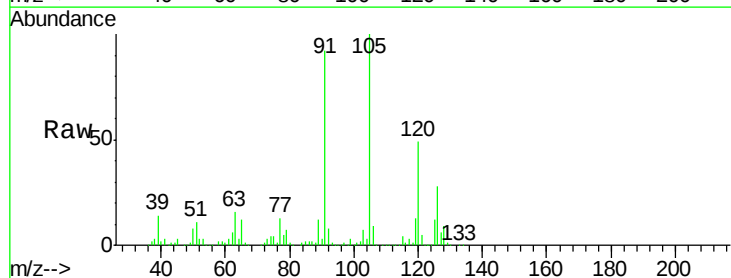
Acq: 19 Jun 2018 22:57

Tgt Ion: 105 Resp: 217076

Ion Ratio Lower Upper

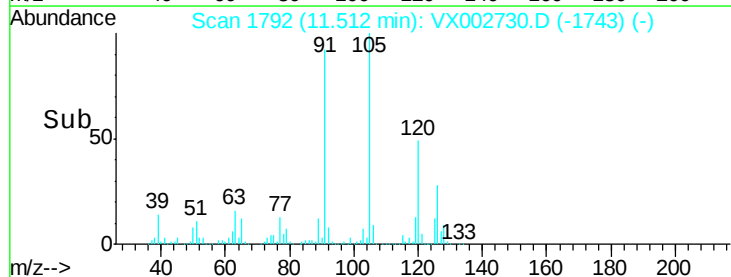
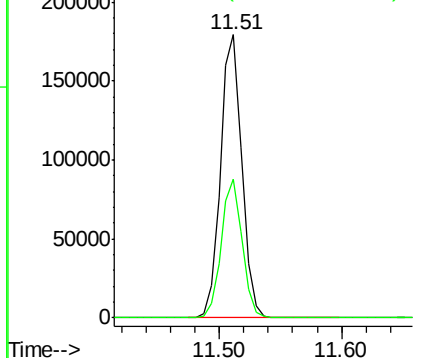
105 100

120 48.1 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 17.59 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

Instrument :

MSVOA_X

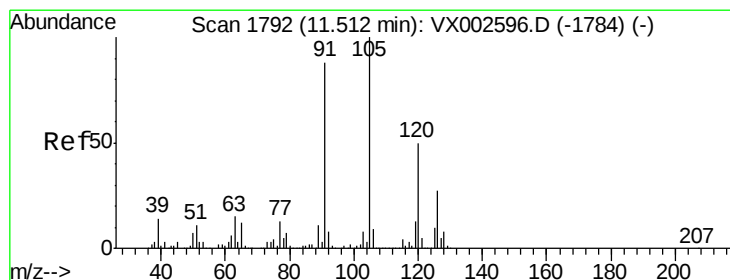
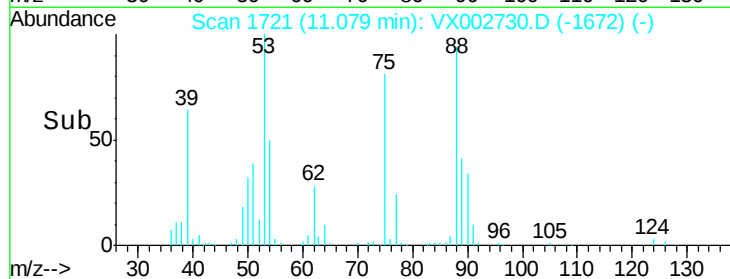
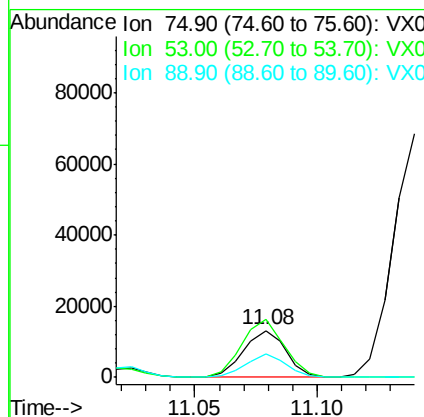
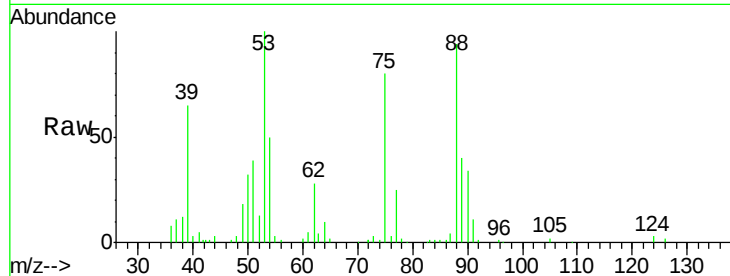
ClientSampleId :

VX0619WBSD01

Tot Ion:	75	Resp:	16071
Ion	Ratio	Lower	Upper
75	100		
53	122.9	86.8	130.2
89	48.1	38.2	57.2

Manual Integrations
APPROVED

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



#82

4-Chlorotoluene

Concen: 20.20 ug/l

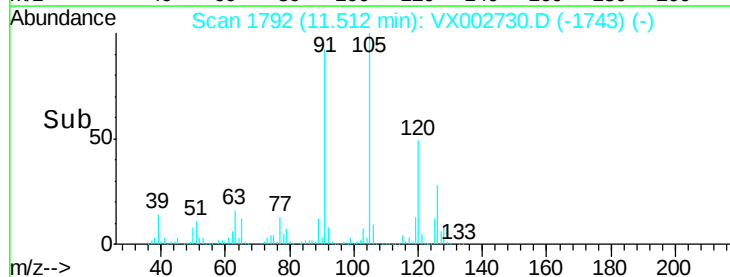
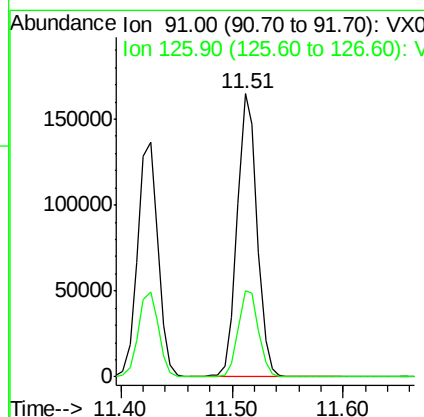
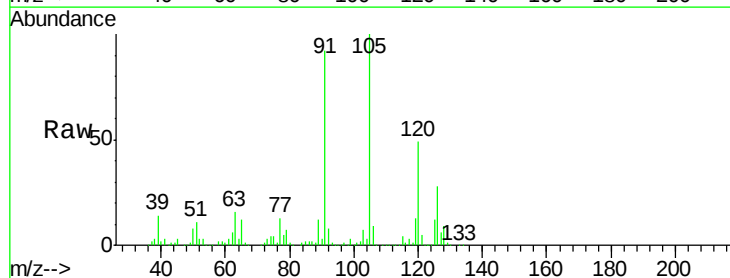
RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

Tgt Ion:	91	Resp:	203361
Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.4	46.4





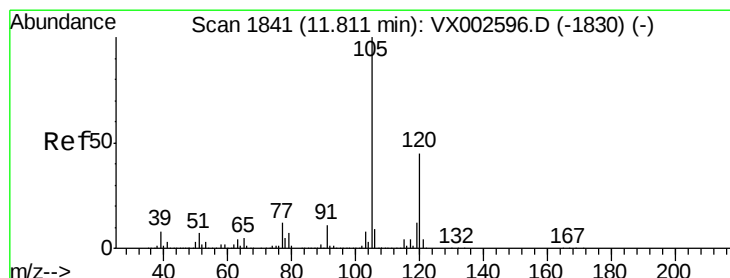
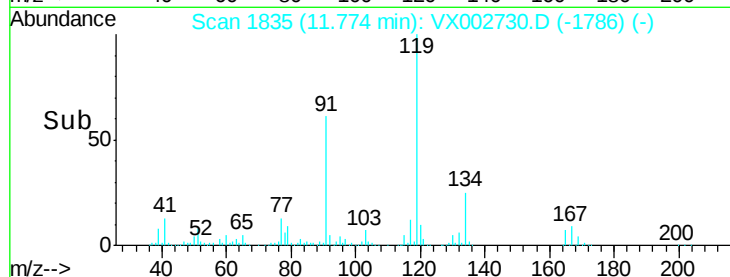
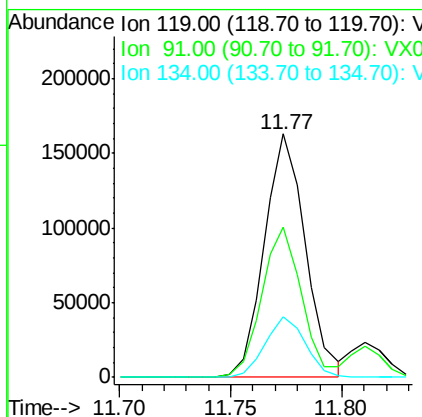
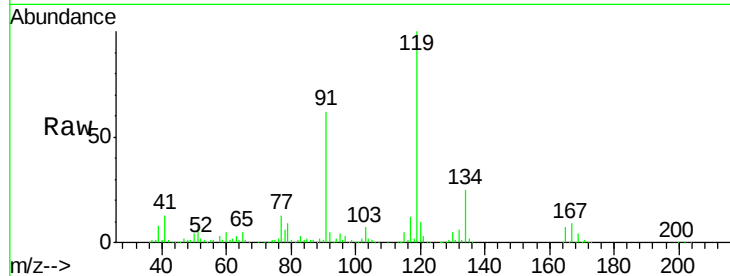
#83
 tert-Butylbenzene
 Concen: 20.54 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX002730.D
 Acq: 19 Jun 2018 22:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0619WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	208339		
91	60.0		30.3	90.9
134	24.4		11.7	35.1

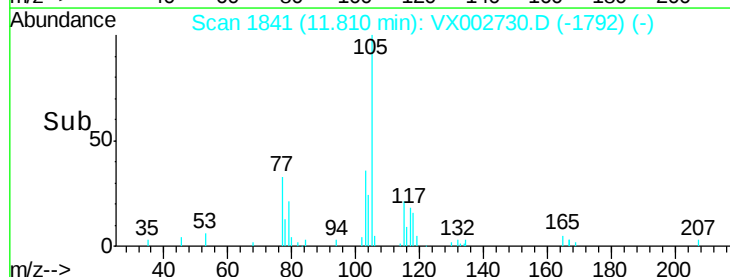
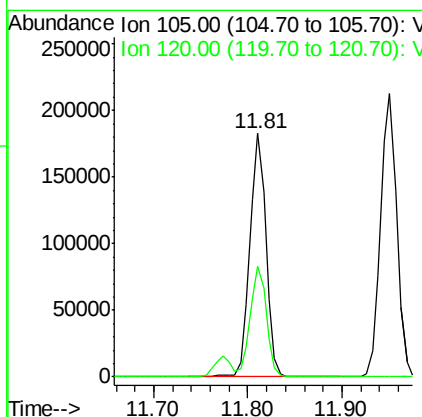
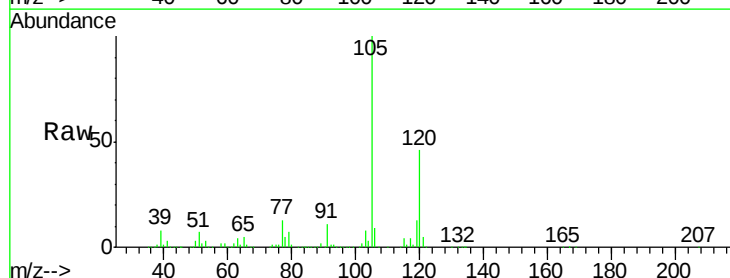
Manual Integrations
 APPROVED

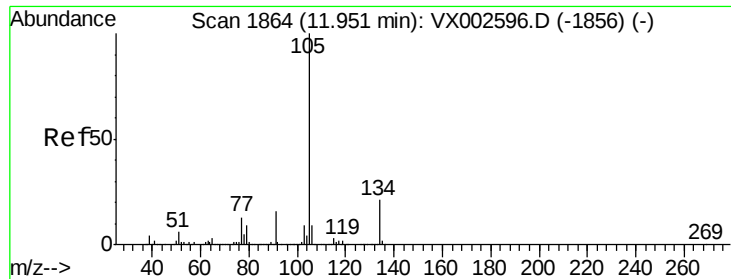
MMDadoda
 6/20/2018 6:26:57 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.50 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX002730.D
 Acq: 19 Jun 2018 22:57

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	220201		
120	45.7		22.3	66.8





#85

sec-Butylbenzene

Concen: 20.18 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

Instrument :

MSVOA_X

ClientSampleId :

VX0619WBSD01

Tot Ion:105 Resp: 254507

Ion Ratio Lower Upper

105 100

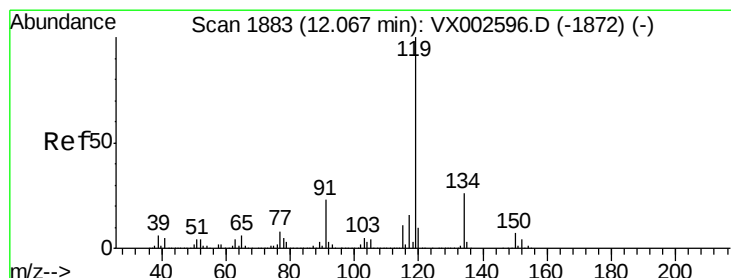
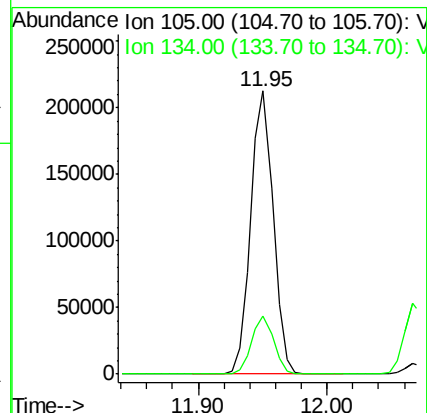
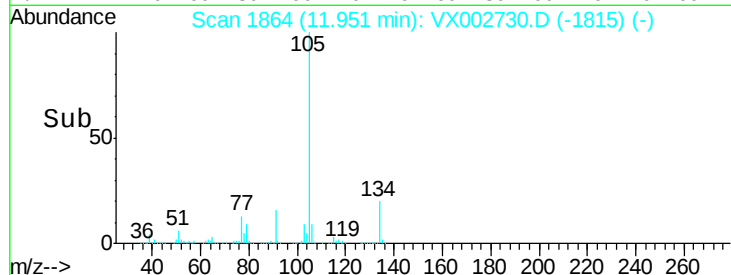
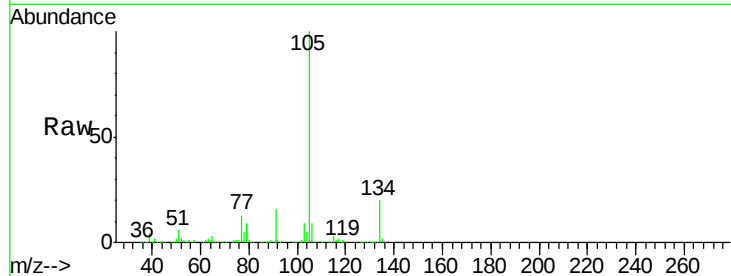
134 20.3 10.4 31.1

Manual Integrations

APPROVED

MMDadoda

6/20/2018 6:26:57 PM



#86

p-Isopropyltoluene

Concen: 20.08 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

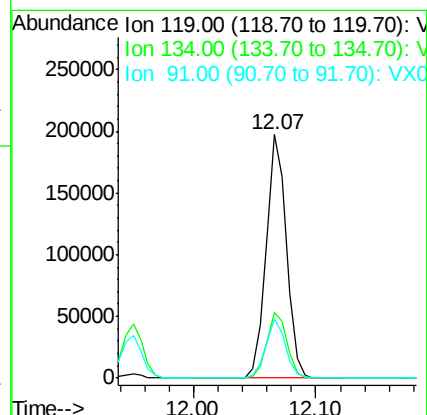
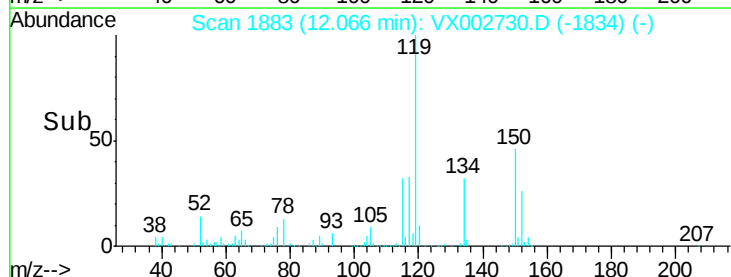
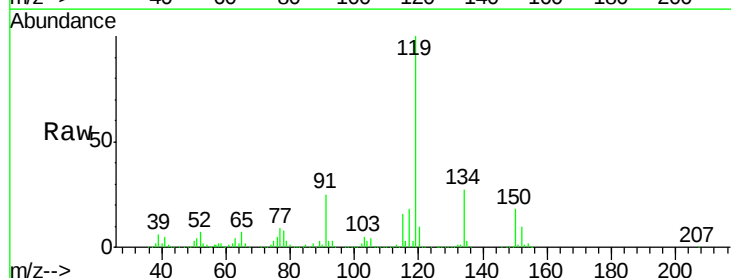
Tgt Ion:119 Resp: 229089

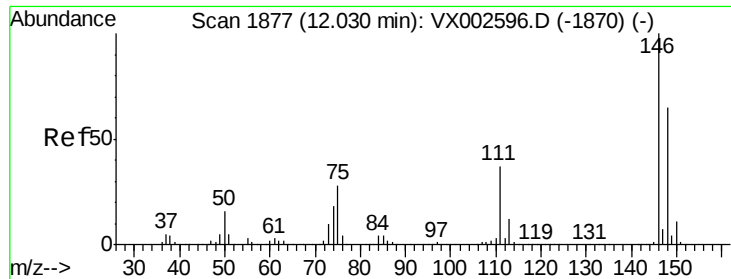
Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.1

91 23.9 11.9 35.7





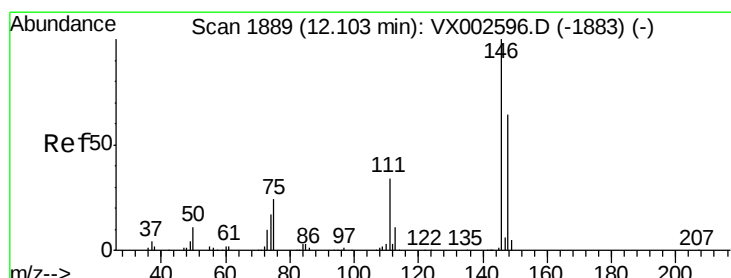
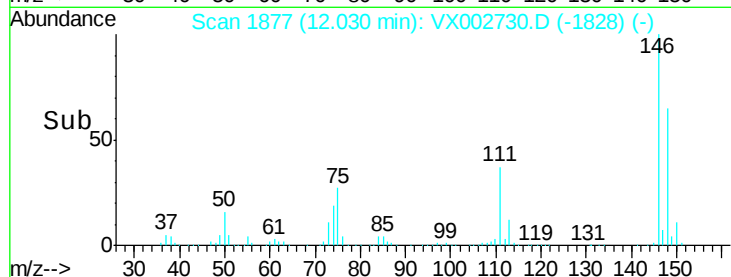
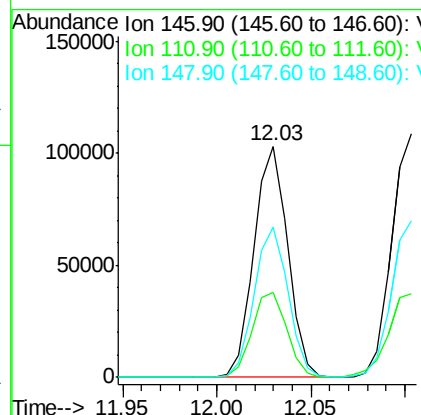
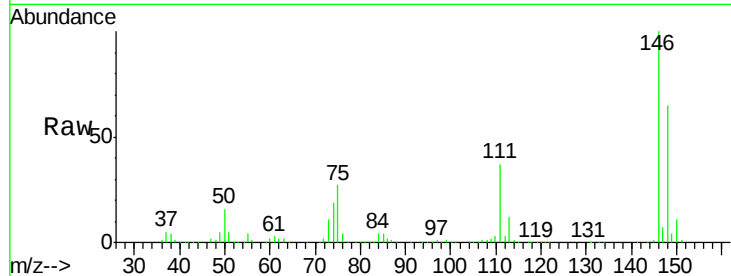
#87
 1,3-Dichlorobenzene
 Concen: 20.11 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX002730.D
 Acq: 19 Jun 2018 22:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0619WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.9	56.7
148	65.4	32.1	96.3

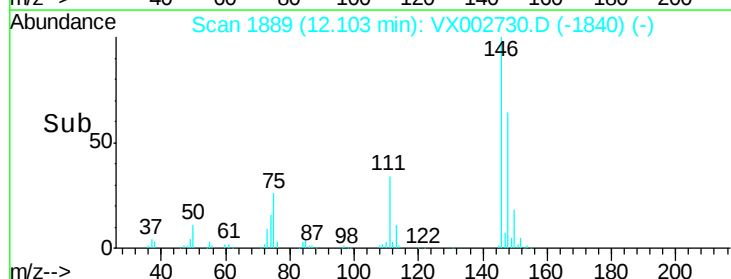
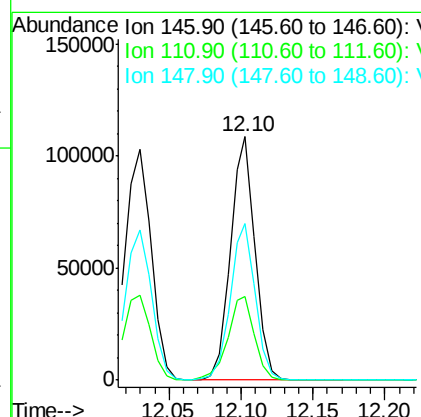
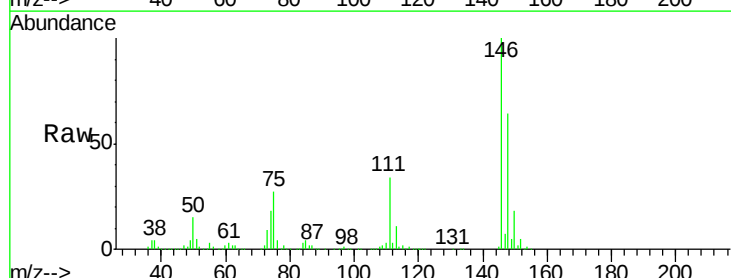
Manual Integrations
 APPROVED

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



#88
 1,4-Dichlorobenzene
 Concen: 20.09 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX002730.D
 Acq: 19 Jun 2018 22:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.7	56.1
148	65.7	32.4	97.0





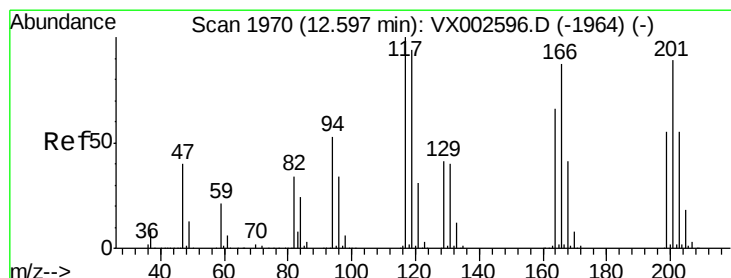
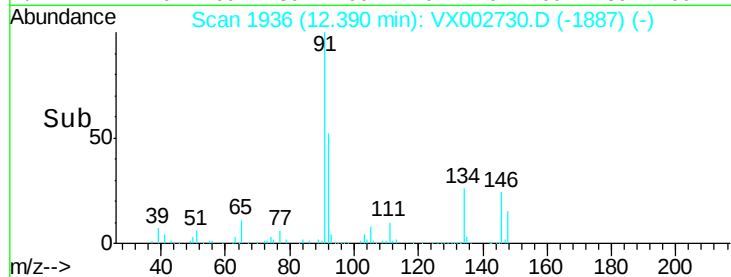
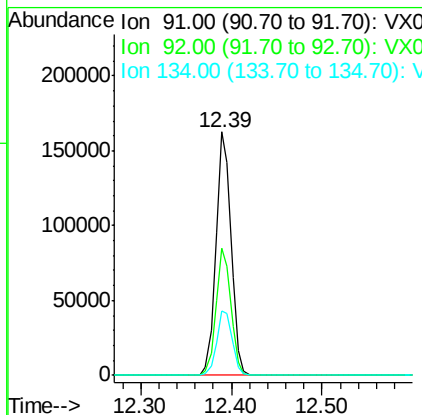
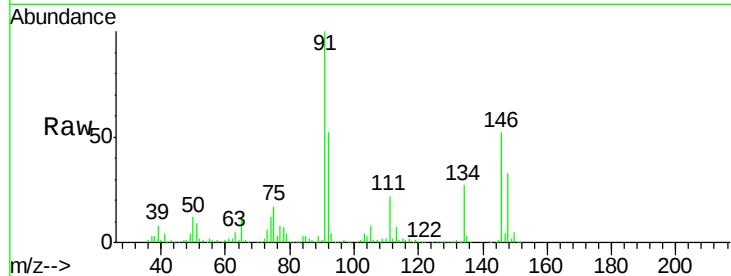
#89
n-Butylbenzene
Concen: 19.06 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX002730.D
Acq: 19 Jun 2018 22:57

Instrument :
MSVOA_X
ClientSampleId :
VX0619WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.4	26.0	78.0
134	26.9	13.5	40.5

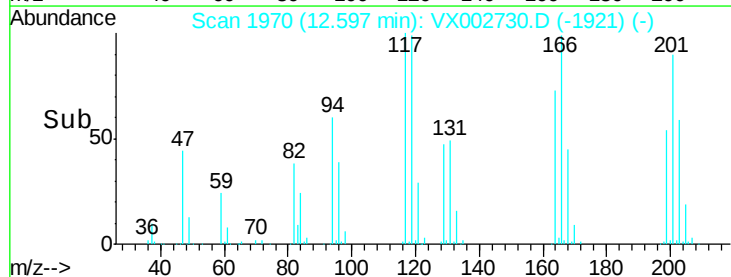
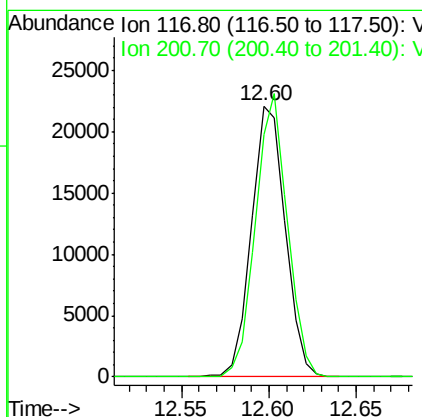
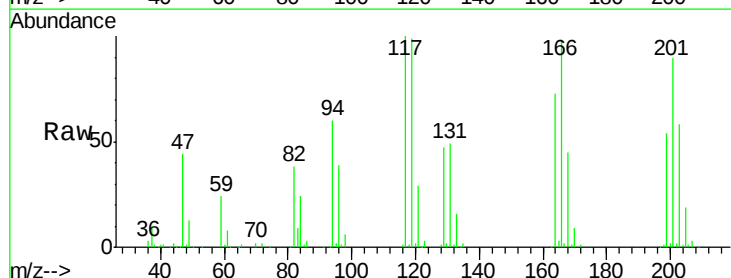
Manual Integrations
APPROVED

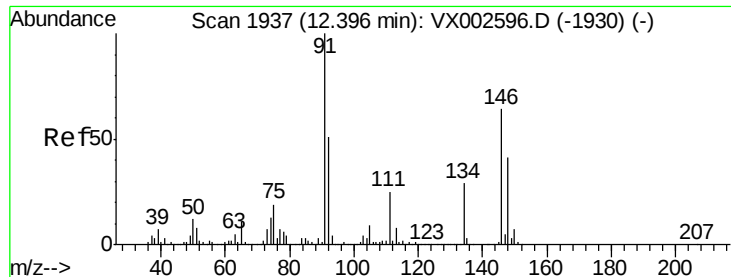
MMDadoda
6/20/2018 6:26:57 PM



#90
Hexachloroethane
Concen: 18.45 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX002730.D
Acq: 19 Jun 2018 22:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	98.4	49.0	147.0





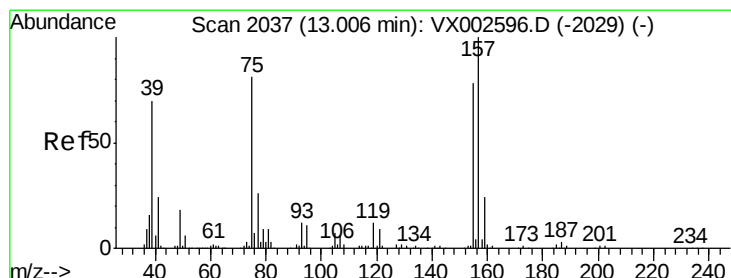
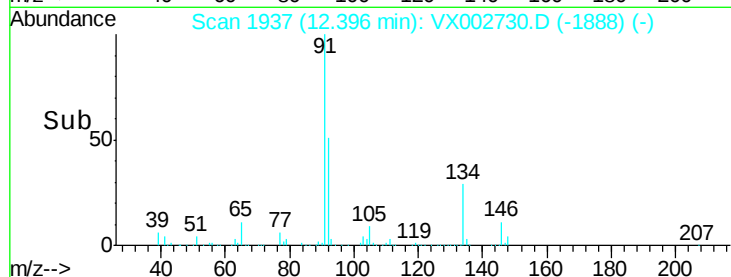
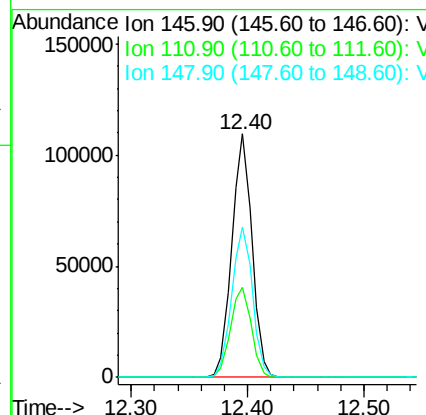
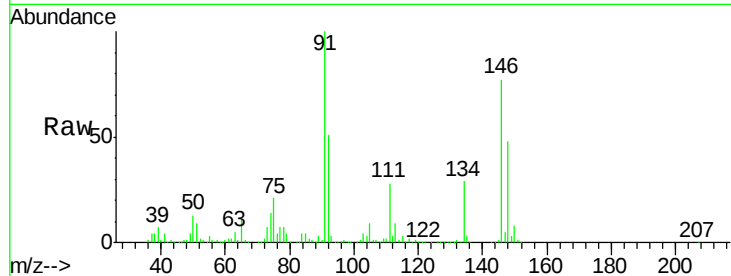
#91
1,2-Dichlorobenzene
Concen: 20.59 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX002730.D
Acq: 19 Jun 2018 22:57

Instrument :
MSVOA_X
ClientSampleId :
VX0619WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.4	58.1
148	63.7	31.7	95.1

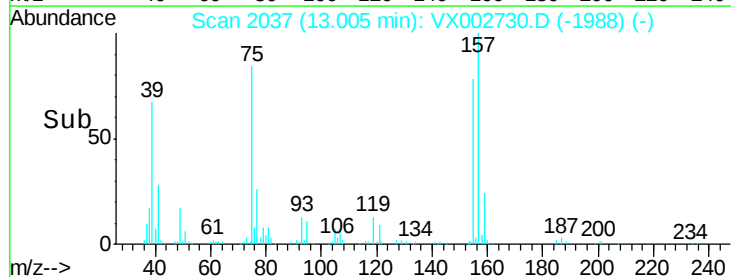
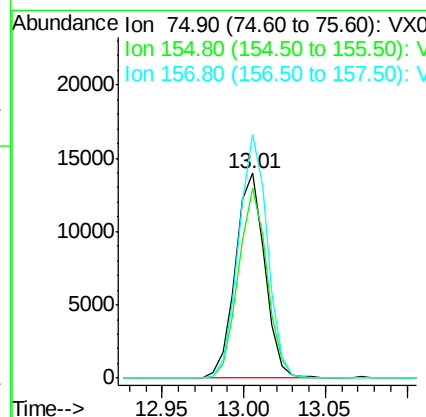
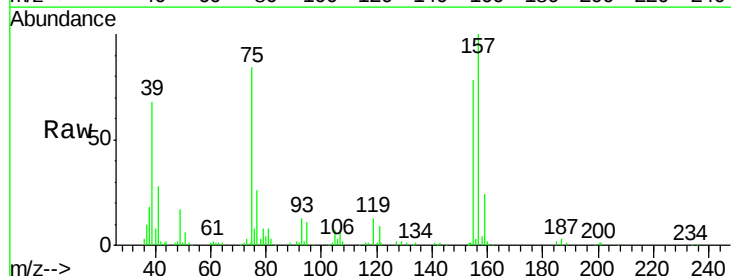
Manual Integrations
APPROVED

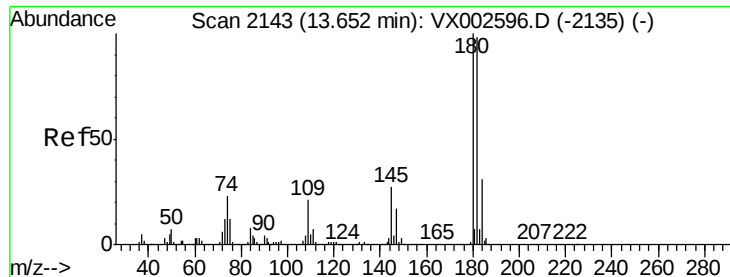
MMDadoda
6/20/2018 6:26:57 PM



#92
1,2-Dibromo-3-Chloropropane
Concen: 22.67 ug/l
RT: 13.01 min Scan# 2037
Delta R.T. -0.00 min
Lab File: VX002730.D
Acq: 19 Jun 2018 22:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.3	45.8	137.4
157	116.4	60.1	180.3





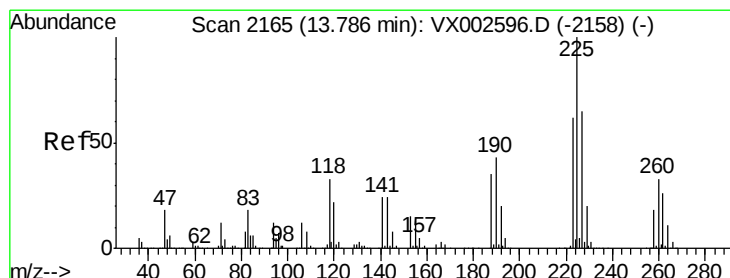
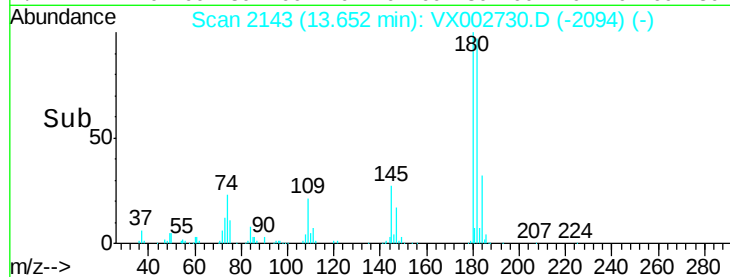
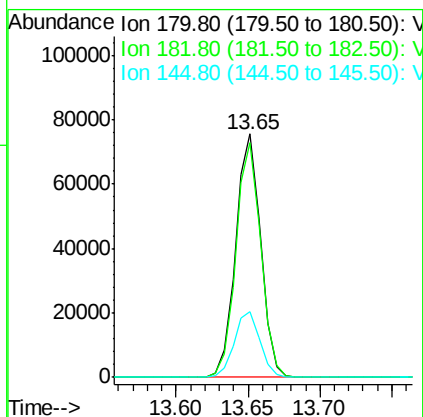
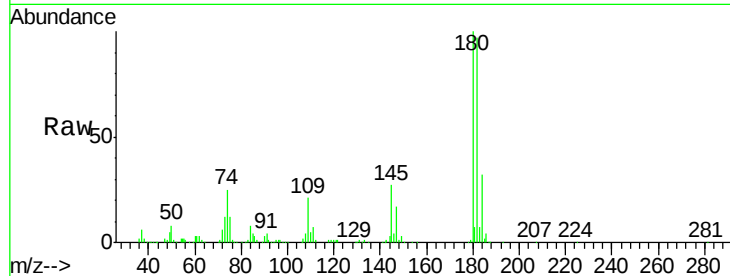
#93
 1,2,4-Trichlorobenzene
 Concen: 19.66 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002730.D
 Acq: 19 Jun 2018 22:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0619WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.7	143.1
145	27.7	14.1	42.4

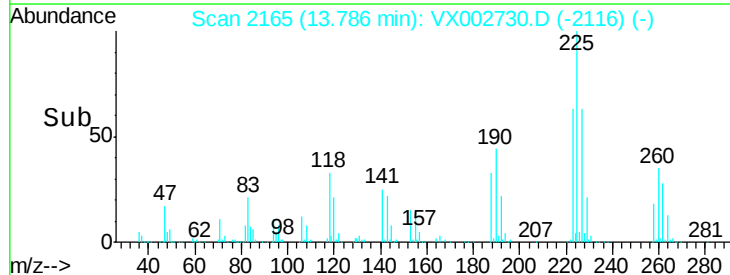
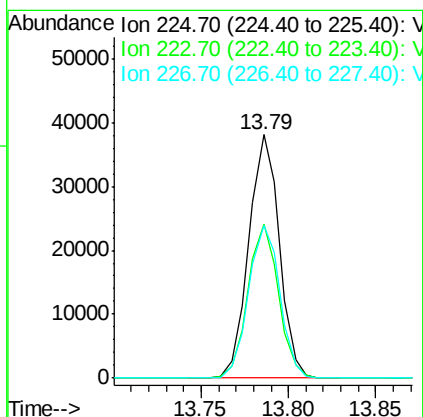
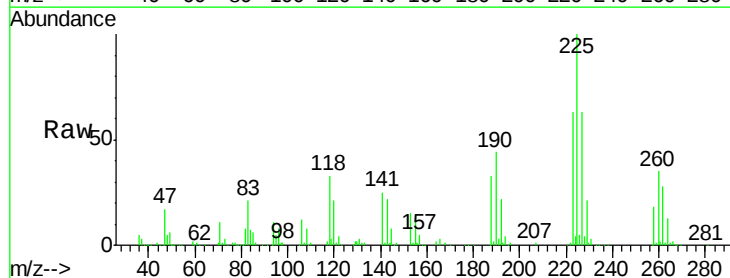
Manual Integrations
 APPROVED

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



#94
 Hexachlorobutadiene
 Concen: 18.83 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002730.D
 Acq: 19 Jun 2018 22:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.6	95.0
227	64.2	32.4	97.2





#95

Naphthalene

Concen: 20.99 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

Instrument :

MSVOA_X

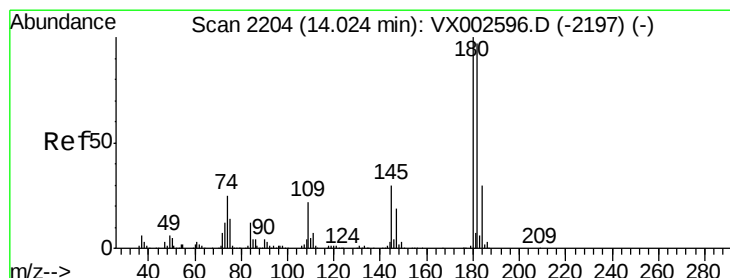
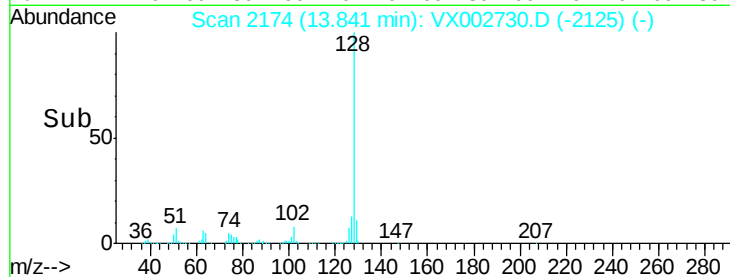
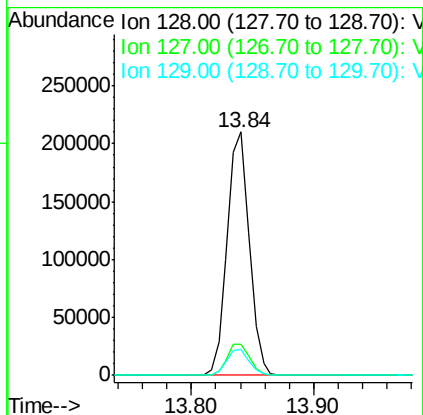
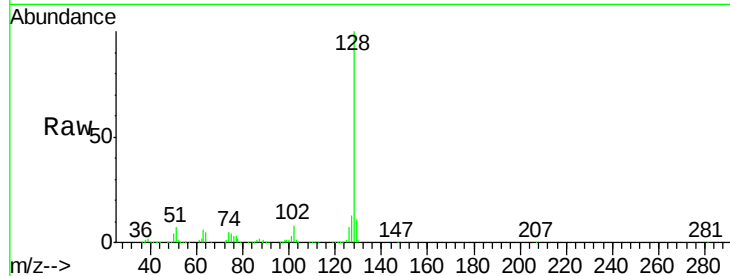
ClientSampleId :

VX0619WBSD01

Tot Ion:	128	Resp:	262630
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.4	15.6
129	10.7	8.6	13.0

Manual Integrations
APPROVED

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



#96

1,2,3-Trichlorobenzene

Concen: 20.57 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

Tgt Ion:	180	Resp:	96071
Ion Ratio	Lower	Upper	
180	100		
182	96.5	48.0	144.0
145	29.7	14.8	44.3

