

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091118\
 Data File : VX004473.D
 Acq On : 11 Sep 2018 18:47
 Operator : JC/MD
 Sample : VX0911WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0911WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/12/2018 11:26:47 AM

Quant Time: Sep 12 07:08:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 15:21:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	242308	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	354792	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	336197	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	199469	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	167257	53.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.06%	
35) Dibromofluoromethane	5.50	113	140519	43.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.56%	
50) Toluene-d8	8.72	98	553801	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
62) 4-Bromofluorobenzene	11.14	95	197195	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	49449	21.77	ug/l	100
3) Chloromethane	1.32	50	67951	21.74	ug/l	100
4) Vinyl Chloride	1.40	62	70121	21.86	ug/l	99
5) Bromomethane	1.64	94	38640	28.26	ug/l	99
6) Chloroethane	1.72	64	42760	20.61	ug/l	96
7) Trichlorofluoromethane	1.93	101	90504	21.28	ug/l	96
8) Diethyl Ether	2.19	74	40067	21.02	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.38	101	55850	20.70	ug/l	99
10) Methyl Iodide	2.51	142	55472	19.99	ug/l	99
11) Tert butyl alcohol	3.07	59	83174	111.57	ug/l	99
12) 1,1-Dichloroethene	2.37	96	53707	21.21	ug/l	97
13) Acrolein	2.29	56	36209	123.04	ug/l	96
14) Allyl chloride	2.73	41	112784	21.67	ug/l	94
15) Acrylonitrile	3.15	53	195674	108.99	ug/l	99
16) Acetone	2.45	43	159093	104.33	ug/l	98
17) Carbon Disulfide	2.57	76	156280	21.36	ug/l	98
18) Methyl Acetate	2.78	43	91919	21.49	ug/l	95
19) Methyl tert-butyl Ether	3.20	73	189446	21.33	ug/l	97
20) Methylene Chloride	2.85	84	63300	20.24	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	58982	21.08	ug/l	96
22) Diisopropyl ether	3.87	45	197662	21.08	ug/l	96
23) Vinyl Acetate	3.82	43	827570	109.09	ug/l	98
24) 1,1-Dichloroethane	3.70	63	114738	21.68	ug/l	98
25) 2-Butanone	4.71	43	247258	101.88	ug/l	96
26) 2,2-Dichloropropane	4.58	77	73309	20.17	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	65745	21.05	ug/l	99
28) Bromochloromethane	5.01	49	55720	23.02	ug/l	92
29) Tetrahydrofuran	5.16	42	161623	110.43	ug/l	96
30) Chloroform	5.22	83	110777	21.44	ug/l	93
31) Cyclohexane	5.57	56	93767	20.75	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	85976	20.66	ug/l	99
36) 1,1-Dichloropropene	5.80	75	77662	18.03	ug/l	99
37) Ethyl Acetate	4.86	43	92963	18.98	ug/l	100
38) Carbon Tetrachloride	5.78	117	74873	17.80	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091118\
 Data File : VX004473.D
 Acq On : 11 Sep 2018 18:47
 Operator : JC/MD
 Sample : VX0911WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0911WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/12/2018 11:26:47 AM

Quant Time: Sep 12 07:08:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 15:21:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	91925	20.45	ug/l	97
40) Benzene	6.14	78	240860	18.85	ug/l	100
41) Methacrylonitrile	5.06	41	50912	18.86	ug/l	99
42) 1,2-Dichloroethane	6.20	62	80422	18.97	ug/l	99
43) Isopropyl Acetate	6.46	43	132163	20.31	ug/l	98
44) Trichloroethene	7.21	130	65342	19.68	ug/l	95
45) 1,2-Dichloropropane	7.52	63	64011	20.82	ug/l	98
46) Dibromomethane	7.66	93	39963	20.57	ug/l	97
47) Bromodichloromethane	7.90	83	73276	19.94	ug/l	99
48) Methyl methacrylate	7.78	41	68708	21.34	ug/l	96
49) 1,4-Dioxane	7.76	88	32815	430.56	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	459046	99.97	ug/l	96
52) Toluene	8.79	92	149675	19.88	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	81198	18.92	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	90271	20.63	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	61453	18.95	ug/l	96
56) Ethyl methacrylate	9.18	69	86284	18.81	ug/l	96
57) 1,3-Dichloropropane	9.37	76	102285	19.42	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	236097	105.37	ug/l	95
59) 2-Hexanone	9.50	43	348865	99.05	ug/l	96
60) Dibromochloromethane	9.59	129	58664	19.22	ug/l	100
61) 1,2-Dibromoethane	9.68	107	62262	20.10	ug/l	100
64) Tetrachloroethene	9.34	164	73586	17.53	ug/l	97
65) Chlorobenzene	10.14	112	166627	19.95	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	57039	19.81	ug/l	100
67) Ethyl Benzene	10.26	91	276222	20.34	ug/l	98
68) m/p-Xylenes	10.36	106	218160	41.71	ug/l	96
69) o-Xylene	10.70	106	103207	20.52	ug/l	98
70) Styrene	10.71	104	174851	20.99	ug/l	98
71) Bromoform	10.86	173	44874	18.98	ug/l	99
73) Isopropylbenzene	11.02	105	282144	21.48	ug/l	100
74) N-amyl acetate	10.90	43	116304	21.03	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	88750	20.94	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	83788m	21.50	ug/l	
77) Bromobenzene	11.26	156	74699	20.57	ug/l	97
78) n-propylbenzene	11.36	91	323992	21.45	ug/l	100
79) 2-Chlorotoluene	11.42	91	192415	21.00	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	236998	21.46	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.08	75	25319	20.11	ug/l	98
82) 4-Chlorotoluene	11.51	91	227445	21.27	ug/l	100
83) tert-Butylbenzene	11.77	119	222945	21.20	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	246105	21.83	ug/l	98
85) sec-Butylbenzene	11.95	105	286161	21.36	ug/l	99
86) p-Isopropyltoluene	12.07	119	254657	21.52	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	137023	20.23	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	140226	20.03	ug/l	99
89) n-Butylbenzene	12.39	91	220561	20.46	ug/l	98
90) Hexachloroethane	12.60	117	37497	19.80	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	138678	20.22	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	19322	21.36	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091118\
Data File : VX004473.D
Acq On : 11 Sep 2018 18:47
Operator : JC/MD
Sample : VX0911WBSD01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0911WBSD01

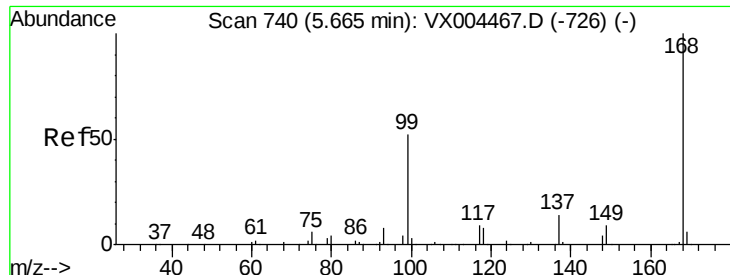
Manual Integrations
APPROVED

MMDadoda
9/12/2018 11:26:47 AM

Quant Time: Sep 12 07:08:06 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 11 15:21:13 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	99475	20.49	ug/l	98
94) Hexachlorobutadiene	13.79	225	49548	19.54	ug/l	96
95) Naphthalene	13.83	128	290253	21.31	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	102511	20.55	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX004473.D

Acq: 11 Sep 2018 18:47

Instrument :

MSVOA_X

ClientSampleId :

VX0911WBSD01

Tot Ion:168 Resp: 242308

Ion Ratio Lower Upper

168 100

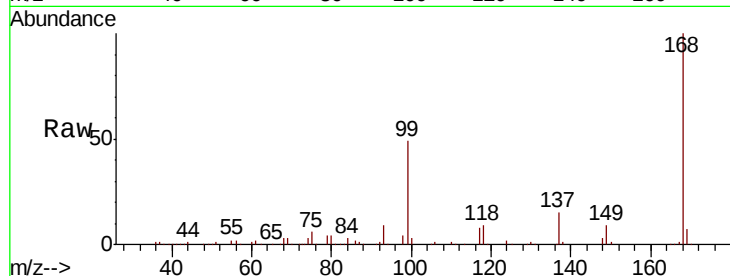
99 49.2 39.9 59.9

Manual Integrations

APPROVED

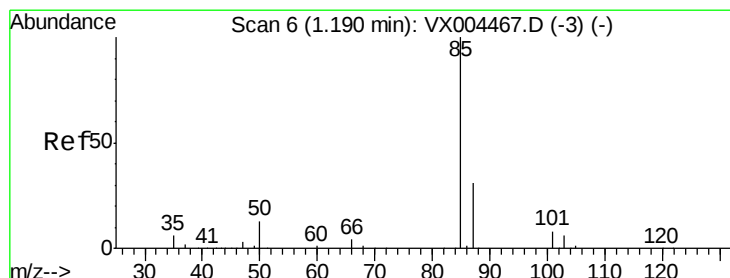
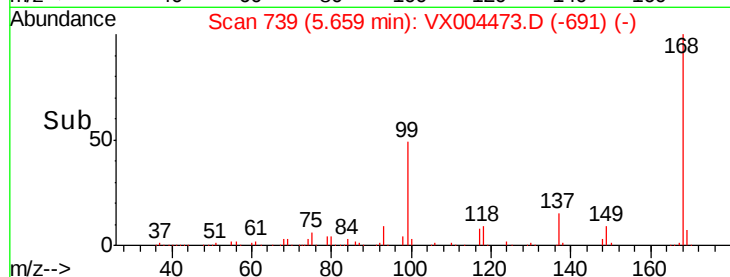
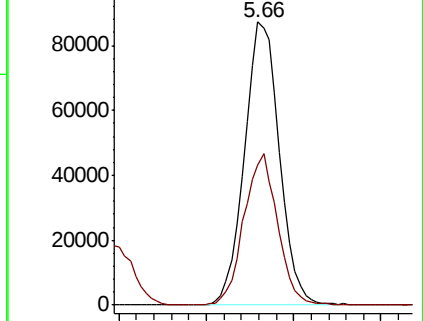
MMDadoda

9/12/2018 11:26:47 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 21.77 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.01 min

Lab File: VX004473.D

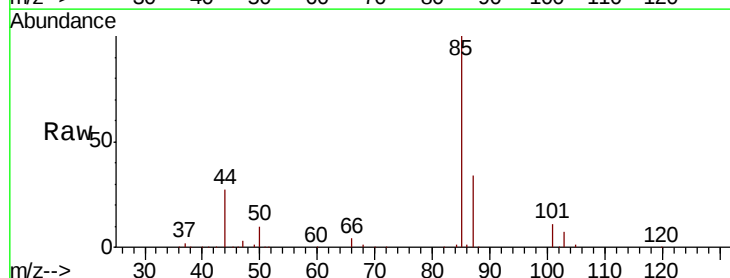
Acq: 11 Sep 2018 18:47

Tgt Ion: 85 Resp: 49449

Ion Ratio Lower Upper

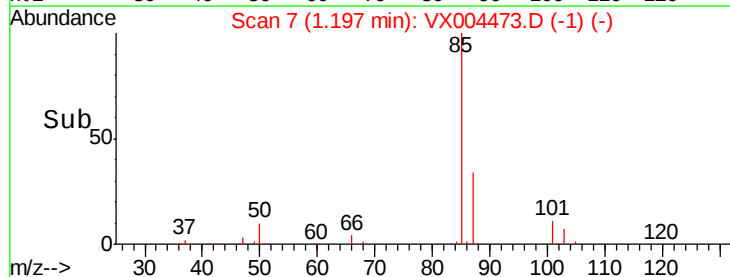
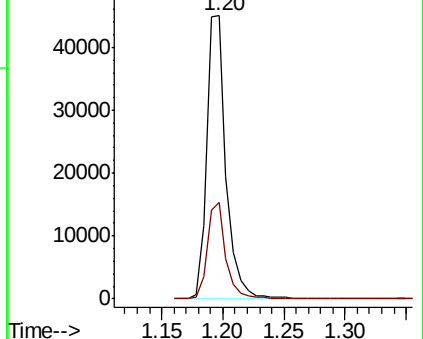
85 100

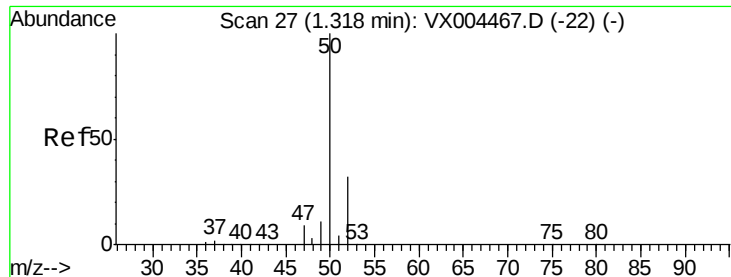
87 34.0 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 21.74 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004473.D

Acq: 11 Sep 2018 18:47

Instrument :

MSVOA_X

ClientSampleId :

VX0911WBSD01

Tot Ion: 50 Resp: 67951

Ion Ratio Lower Upper

50 100

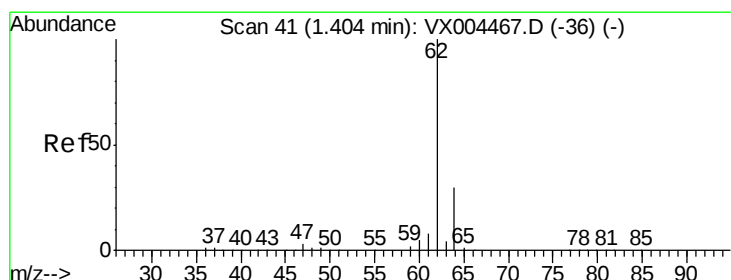
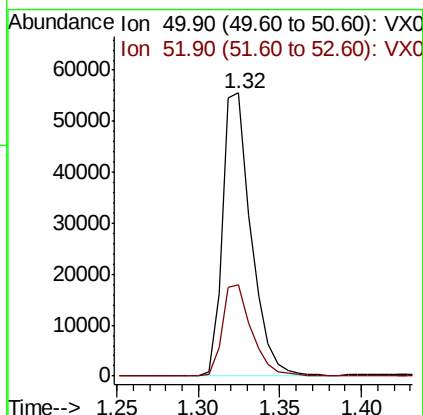
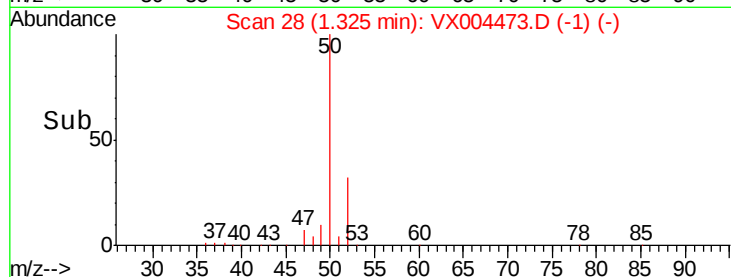
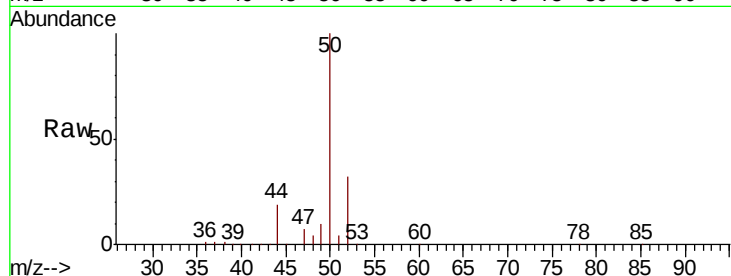
52 32.4 26.2 39.2

Manual Integrations

APPROVED

MMDadoda

9/12/2018 11:26:47 AM



#4

Vinyl Chloride

Concen: 21.86 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX004473.D

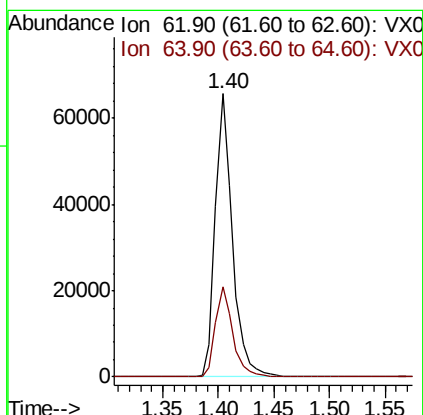
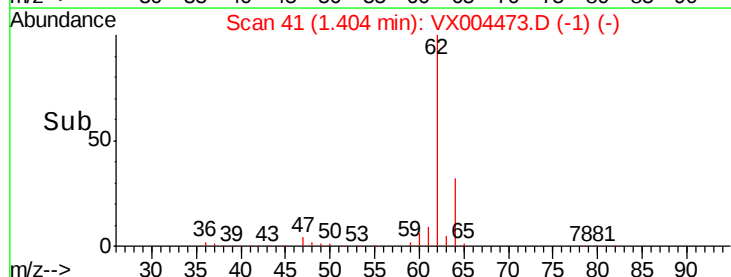
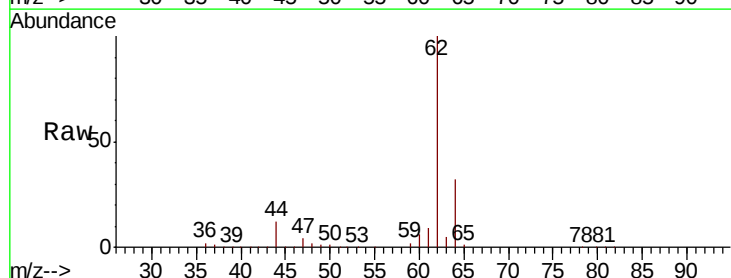
Acq: 11 Sep 2018 18:47

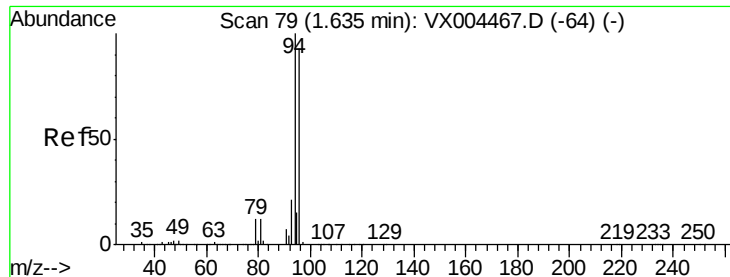
Tgt Ion: 62 Resp: 70121

Ion Ratio Lower Upper

62 100

64 32.0 25.8 38.8





#5

Bromomethane

Concen: 28.26 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004473.D

Acq: 11 Sep 2018 18:47

Tot Ion: 94 Resp: 38640

Ion Ratio Lower Upper

94 100

96 94.2 74.5 111.7

Instrument :

MSVOA_X

ClientSampled :

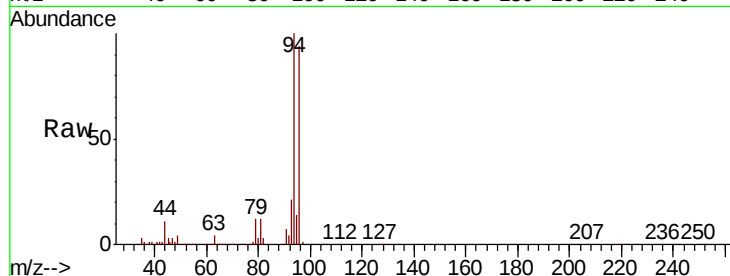
VX0911WBSD01

Manual Integrations

APPROVED

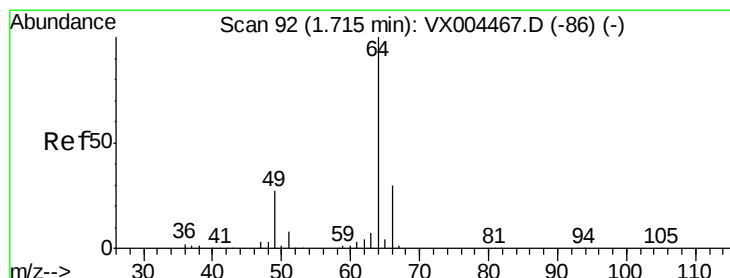
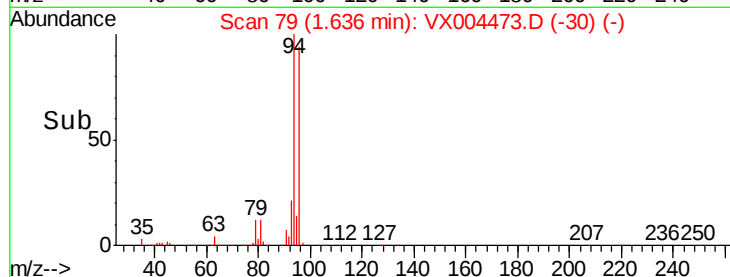
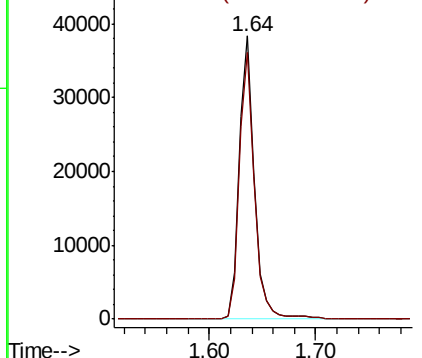
MMDadoda

9/12/2018 11:26:47 AM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 20.61 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX004473.D

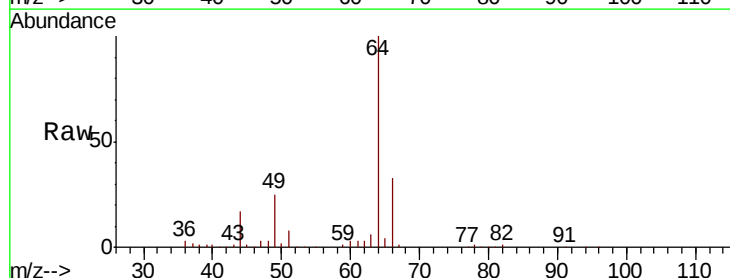
Acq: 11 Sep 2018 18:47

Tgt Ion: 64 Resp: 42760

Ion Ratio Lower Upper

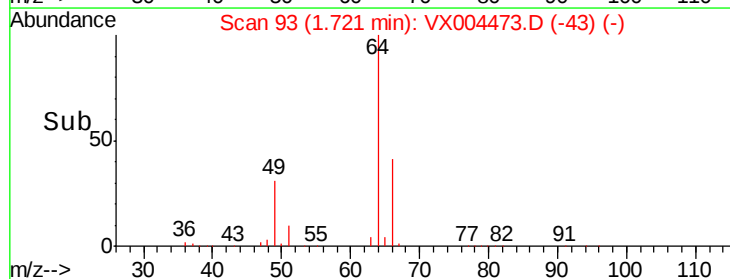
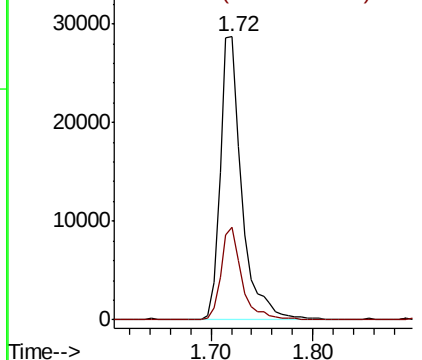
64 100

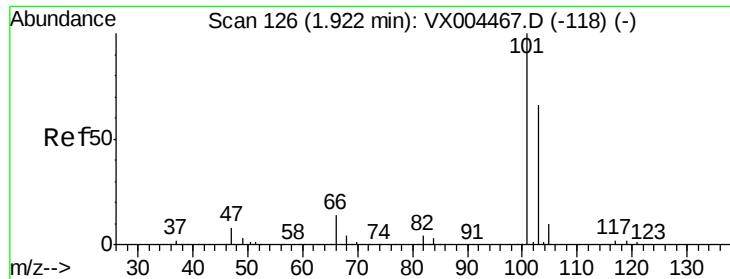
66 32.9 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

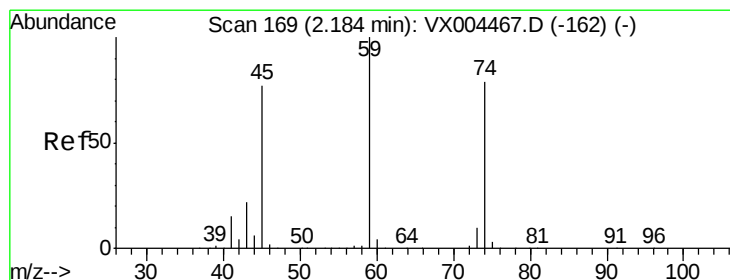
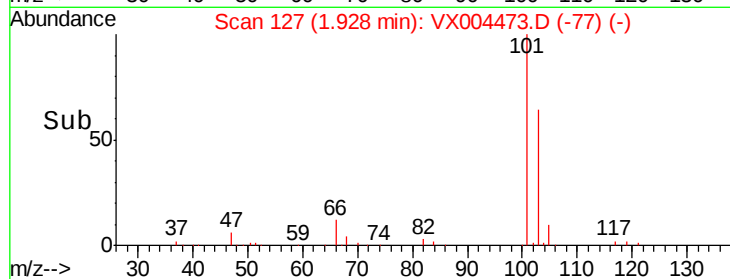
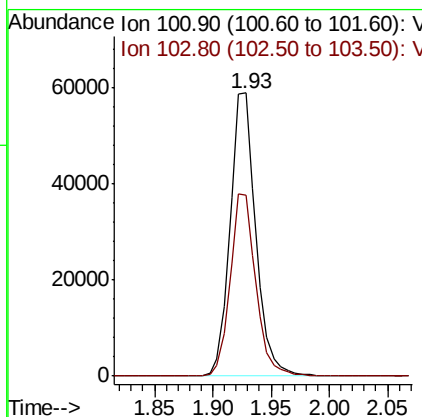
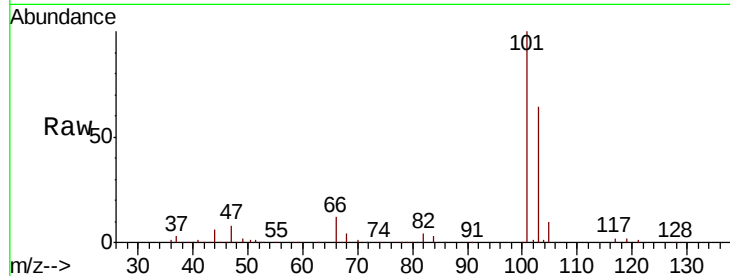
Trichlorofluoromethane
 Concen: 21.28 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX004473.D
 Acq: 11 Sep 2018 18:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0911WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	48.9	73.3

Manual Integrations
 APPROVED

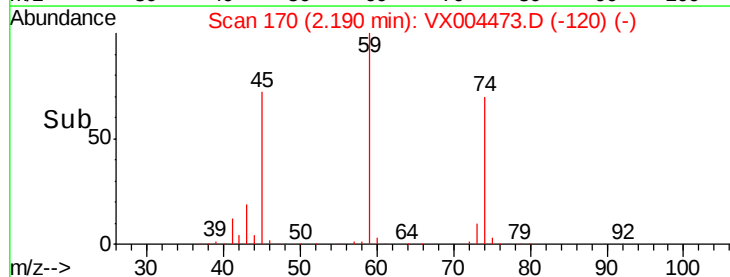
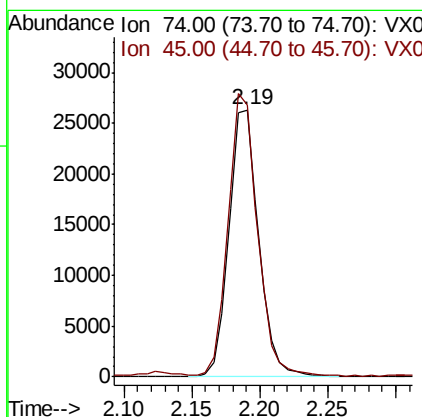
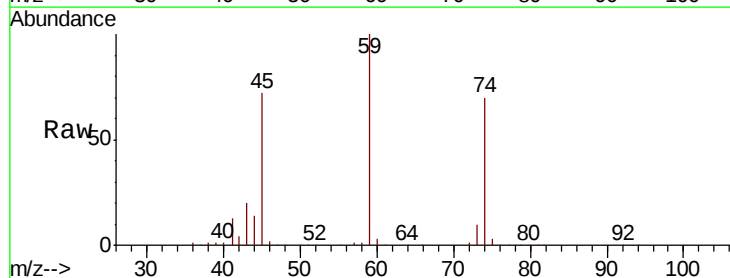
MMDadoda
 9/12/2018 11:26:47 AM

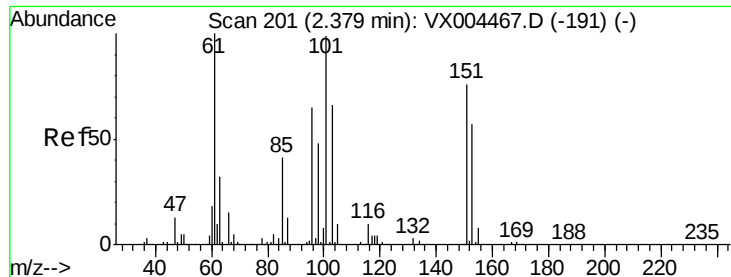


#8

Diethyl Ether
 Concen: 21.02 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX004473.D
 Acq: 11 Sep 2018 18:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.0	48.3	144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.70 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX004473.D

Acq: 11 Sep 2018 18:47

Instrument :

MSVOA_X

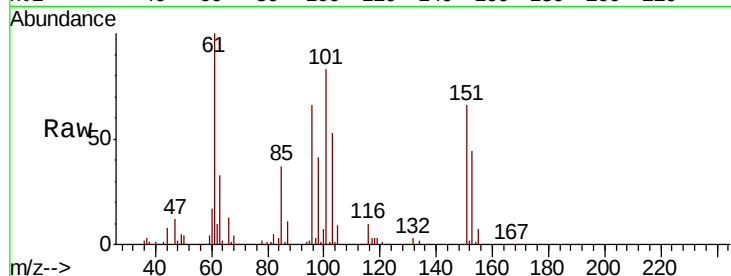
ClientSampleId :

VX0911WBSD01

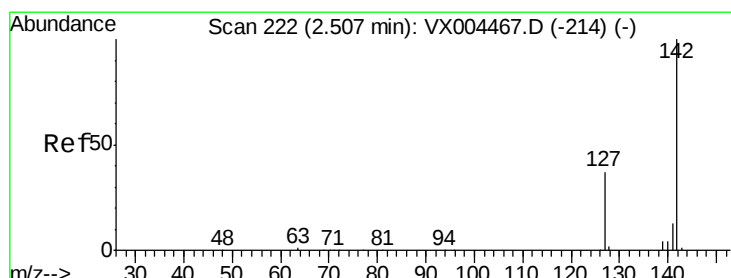
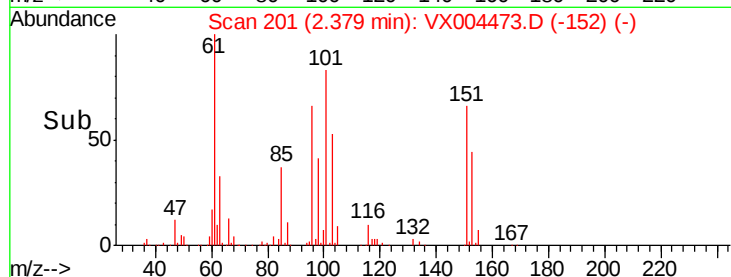
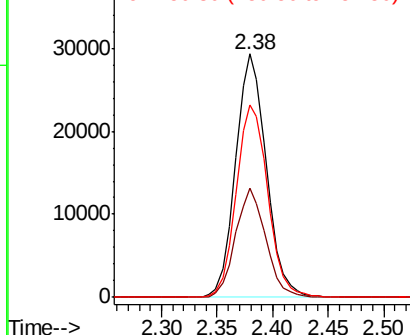
Tot Ion:	101	Resp:	55850
Ion Ratio	Lower	Upper	
101	100		
85	44.2	34.2	51.4
151	81.4	65.0	97.6

Manual Integrations
APPROVED

MMDadoda
9/12/2018 11:26:47 AM



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.99 ug/l

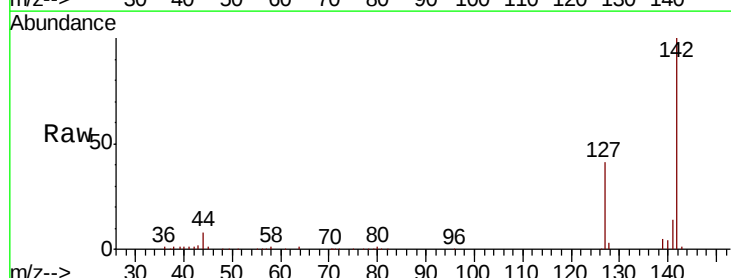
RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

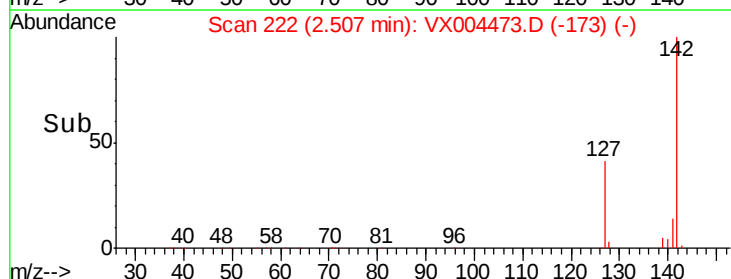
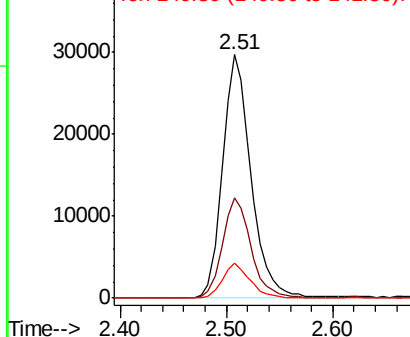
Lab File: VX004473.D

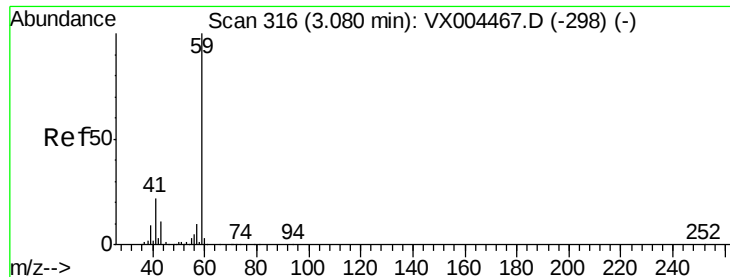
Acq: 11 Sep 2018 18:47

Tgt Ion:	142	Resp:	55472
Ion Ratio	Lower	Upper	
142	100		
127	41.6	33.8	50.6
141	14.0	11.4	17.0



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

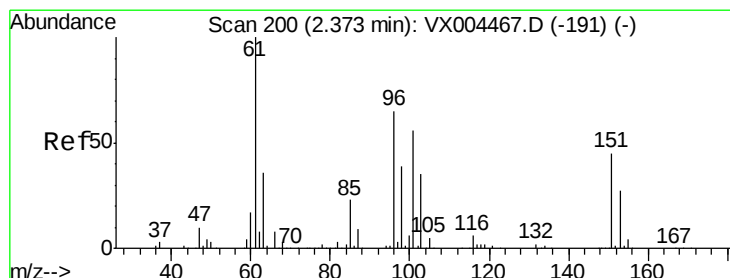
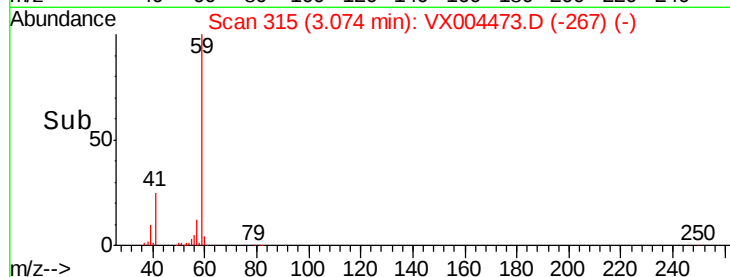
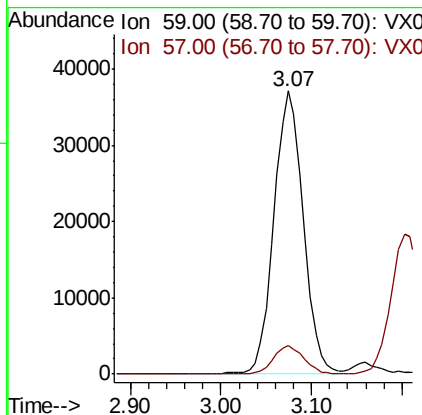
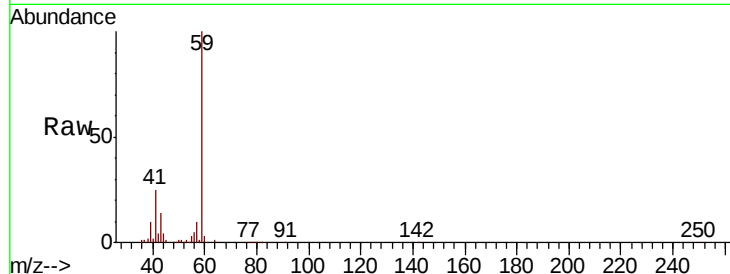
Tert butyl alcohol
Concen: 111.57 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX004473.D
Acq: 11 Sep 2018 18:47

Instrument :
MSVOA_X
ClientSampleId :
VX0911WBSD01

Tot Ion	59	57	Ratio	100	10.6	Resp	83174	Lower	Upper
59	100								
57		10.6						8.2	12.4

Manual Integrations
APPROVED

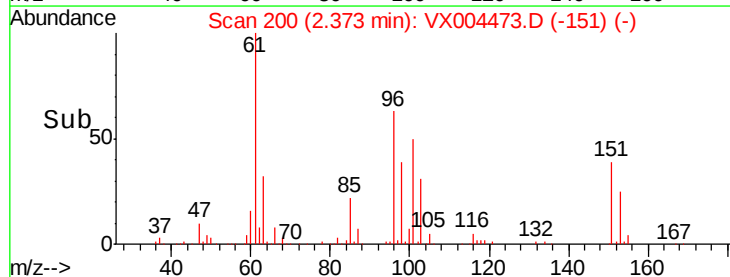
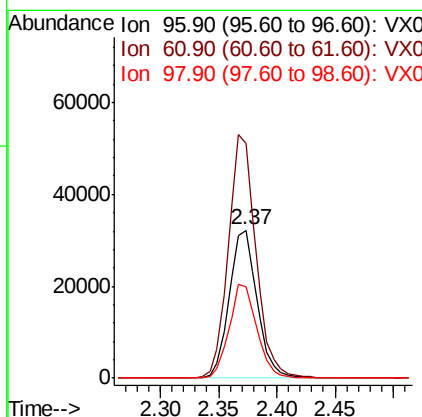
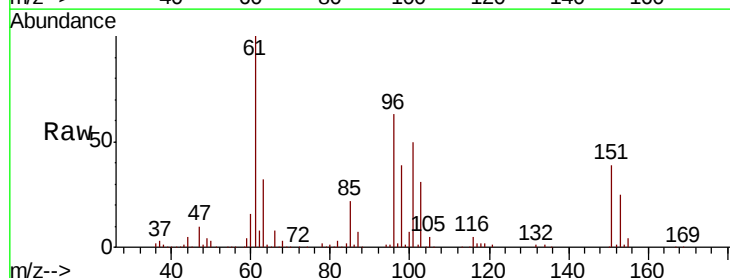
MMDadoda
9/12/2018 11:26:47 AM

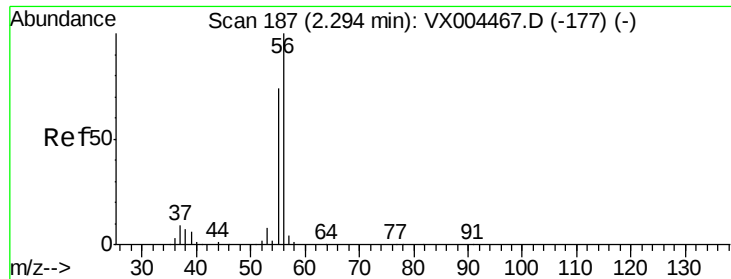


#12

1,1-Dichloroethene
Concen: 21.21 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX004473.D
Acq: 11 Sep 2018 18:47

Tgt Ion	96	61	98	Ratio	100	158.6	61.8	Resp	53707	Lower	Upper
96	100										
61		158.6								128.8	193.2
98		61.8								52.2	78.2





#13

Acrolein

Concen: 123.04 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX004473.D

Acq: 11 Sep 2018 18:47

Instrument :

MSVOA_X

ClientSampleId :

VX0911WBSD01

Tot Ion: 56 Resp: 36209

Ion Ratio Lower Upper

56 100

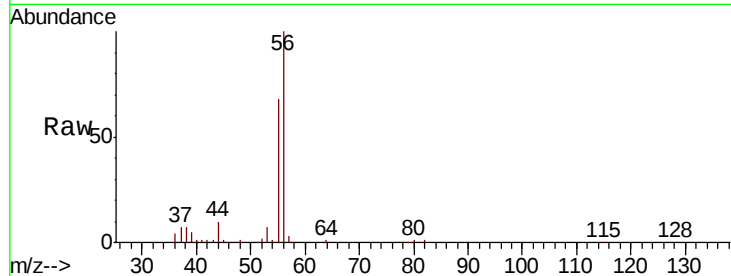
55 71.4 54.7 82.1

Manual Integrations

APPROVED

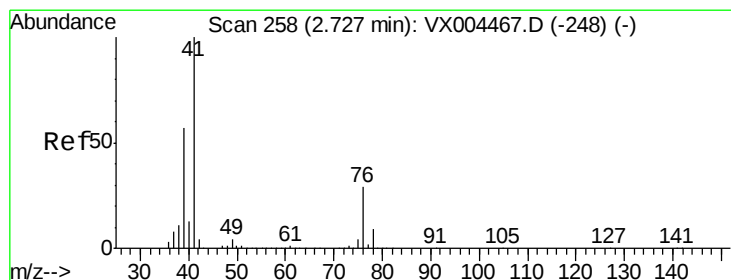
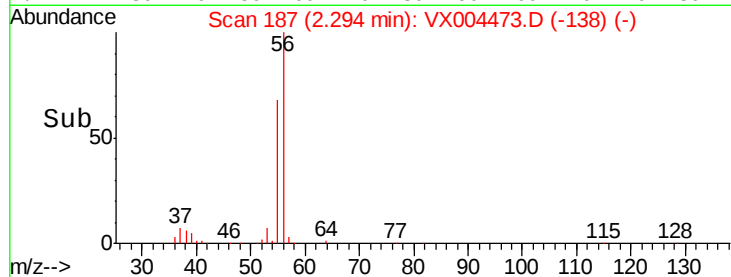
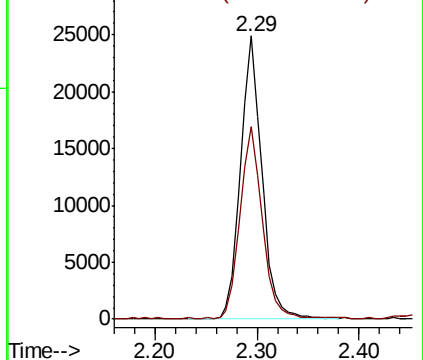
MMDadoda

9/12/2018 11:26:47 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 21.67 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX004473.D

Acq: 11 Sep 2018 18:47

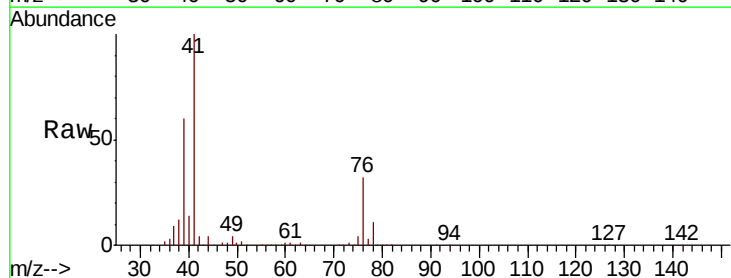
Tgt Ion: 41 Resp: 112784

Ion Ratio Lower Upper

41 100

39 56.3 48.9 73.3

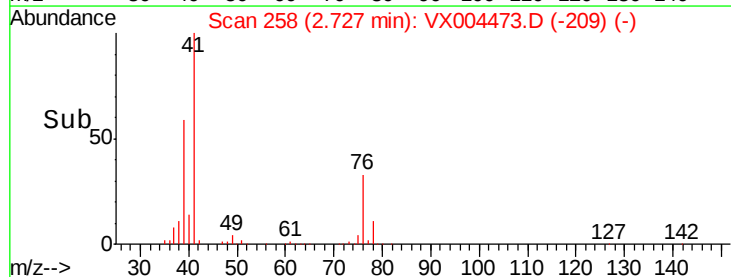
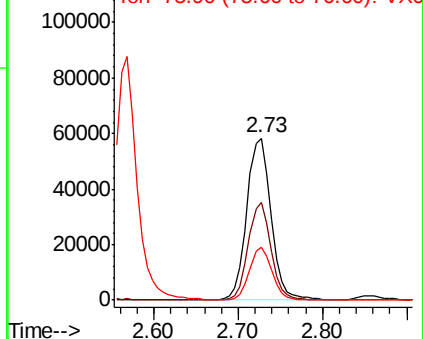
76 30.6 26.7 40.1

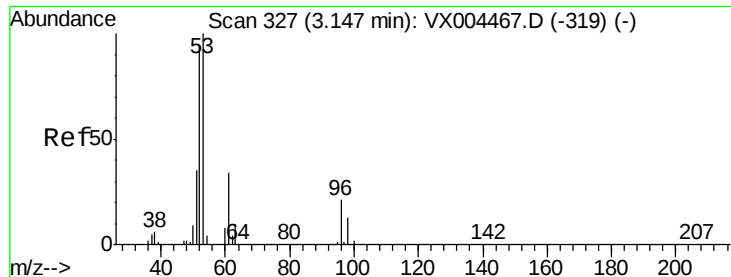


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 108.99 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX004473.D

Acq: 11 Sep 2018 18:47

Instrument :

MSVOA_X

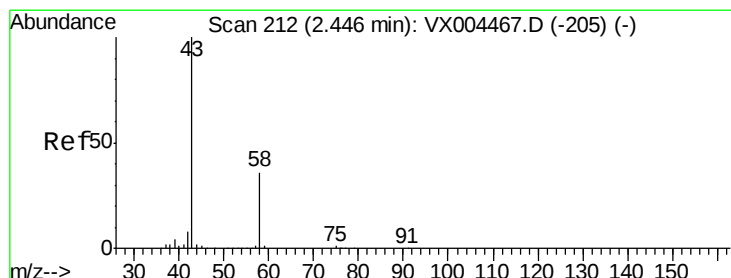
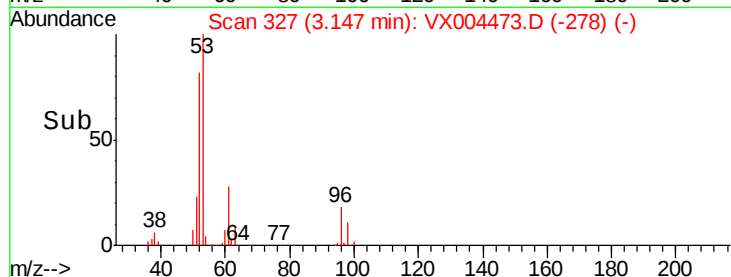
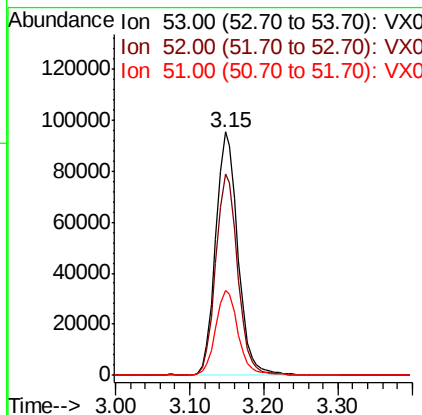
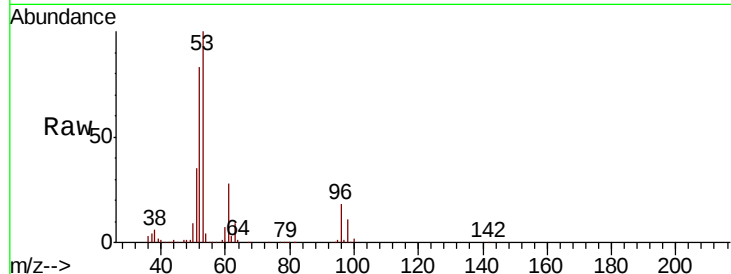
ClientSampleId :

VX0911WBSD01

Tot Ion:	53	Resp:	195674
Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.2	97.8
51	35.4	28.2	42.2

Manual Integrations
APPROVED

MMDadoda
9/12/2018 11:26:47 AM



#16

Acetone

Concen: 104.33 ug/l

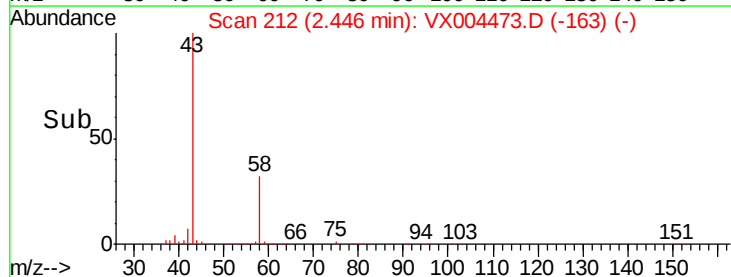
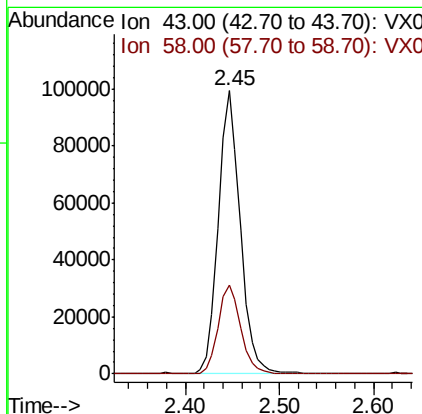
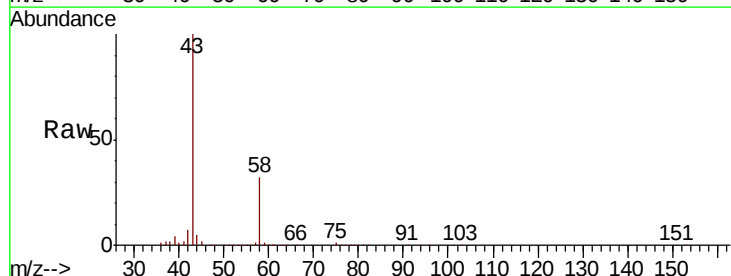
RT: 2.45 min Scan# 212

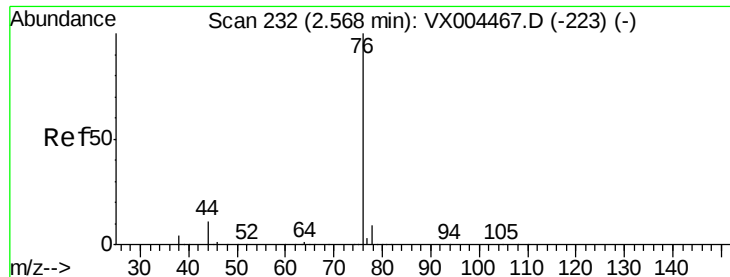
Delta R.T. 0.00 min

Lab File: VX004473.D

Acq: 11 Sep 2018 18:47

Tgt Ion:	43	Resp:	159093
Ion	Ratio	Lower	Upper
43	100		
58	31.6	26.2	39.4





#17

Carbon Disulfide

Concen: 21.36 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX004473.D

Acq: 11 Sep 2018 18:47

Instrument :

MSVOA_X

ClientSampleId :

VX0911WBSD01

Tot Ion: 76 Resp: 156280

Ion Ratio Lower Upper

76 100

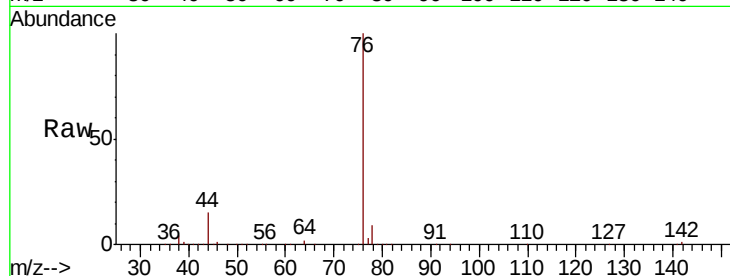
78 9.4 7.0 10.6

Manual Integrations

APPROVED

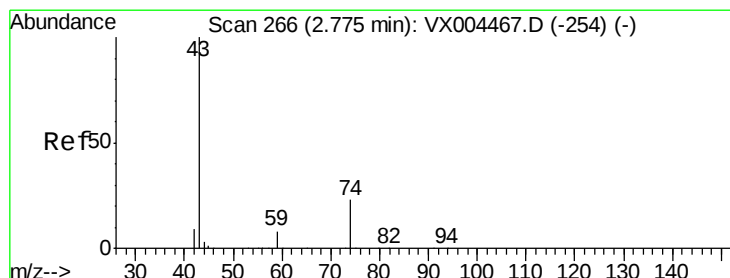
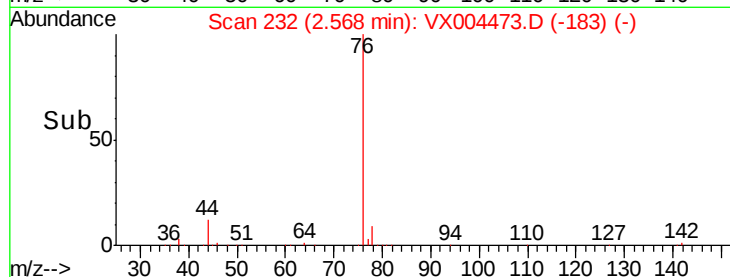
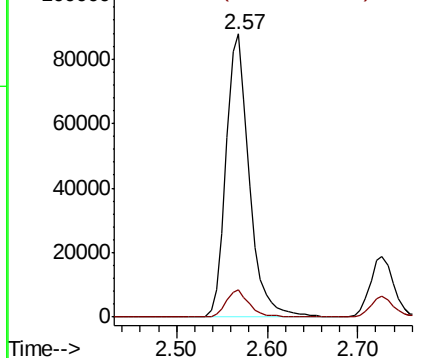
MMDadoda

9/12/2018 11:26:47 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 21.49 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX004473.D

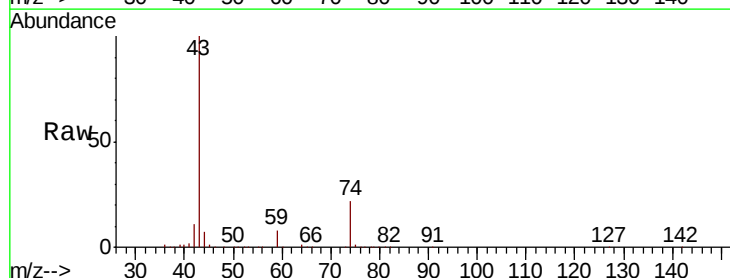
Acq: 11 Sep 2018 18:47

Tgt Ion: 43 Resp: 91919

Ion Ratio Lower Upper

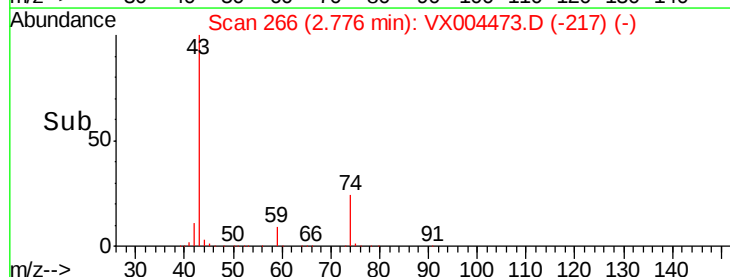
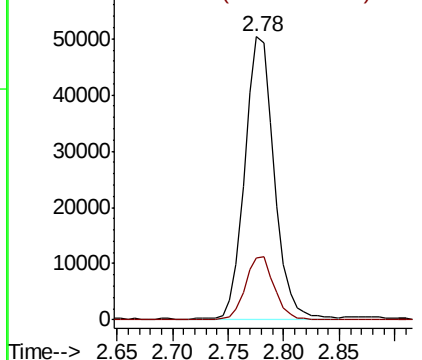
43 100

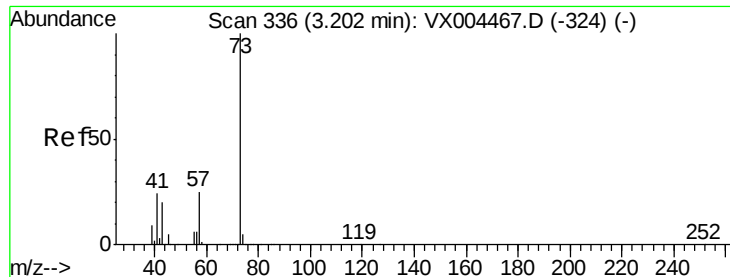
74 21.7 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#19

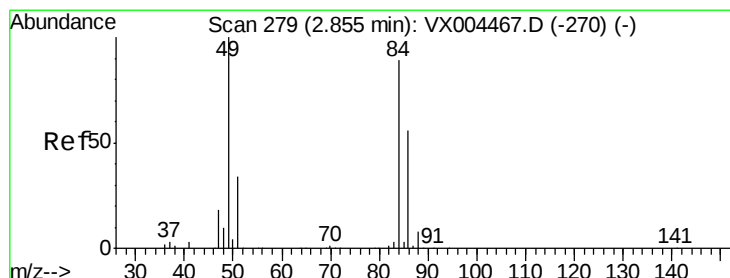
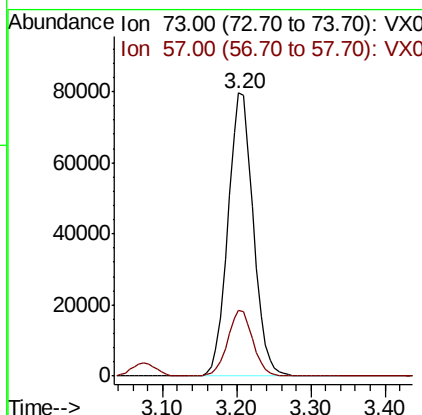
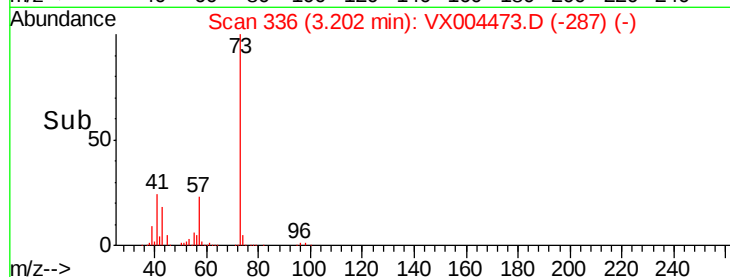
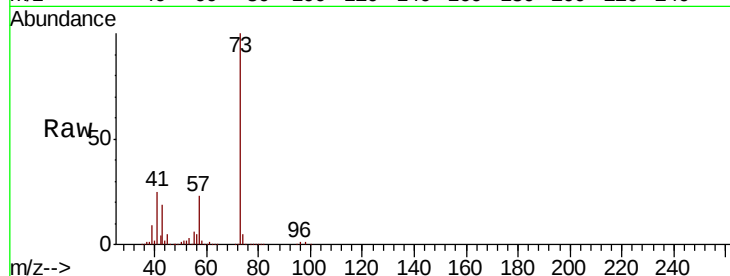
Methyl tert-butyl Ether
 Concen: 21.33 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. 0.00 min
 Lab File: VX004473.D
 Acq: 11 Sep 2018 18:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0911WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
73	73	100		
57	57	23.0	17.1	25.7

Manual Integrations
 APPROVED

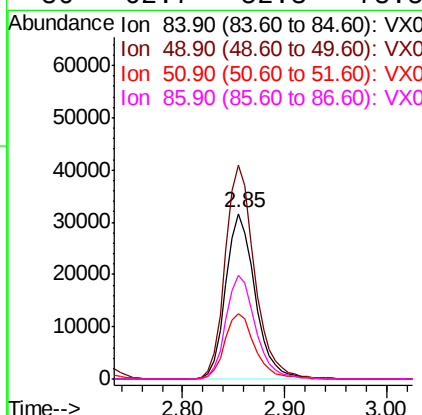
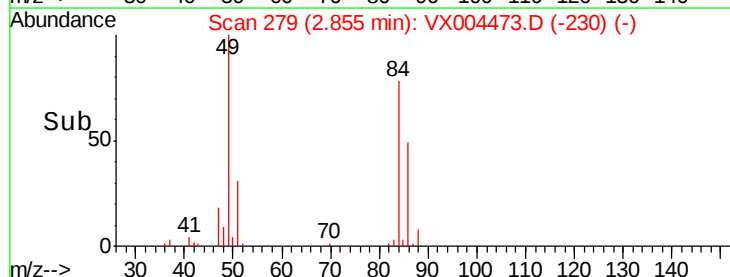
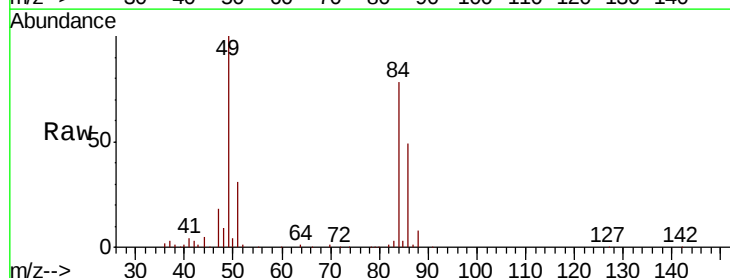
MMDadoda
 9/12/2018 11:26:47 AM

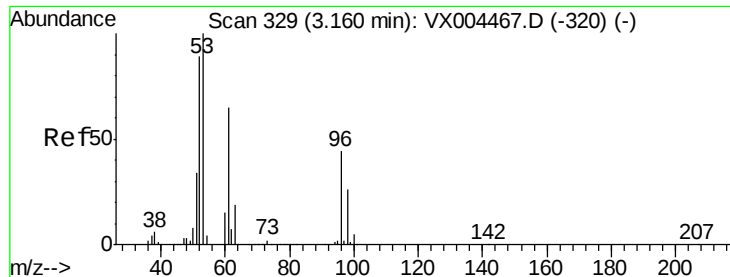


#20

Methylene Chloride
 Concen: 20.24 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX004473.D
 Acq: 11 Sep 2018 18:47

Tgt Ion	Ion	Ratio	Lower	Upper
84	84	100		
49	49	129.0	101.2	151.8
51	51	39.1	29.5	44.3
86	86	62.7	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 21.08 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX004473.D

Acq: 11 Sep 2018 18:47

Instrument :

MSVOA_X

ClientSampleId :

VX0911WBSD01

Tot Ion: 96 Resp: 58982

Ion Ratio Lower Upper

96 100

61 147.0 113.8 170.6

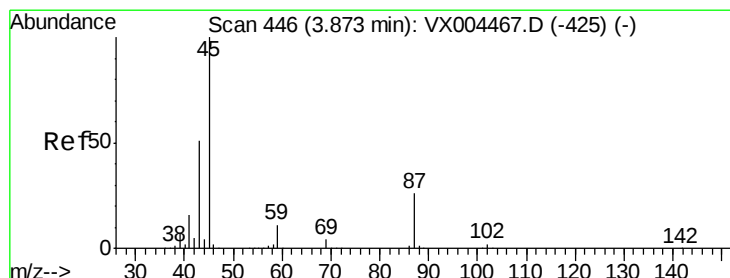
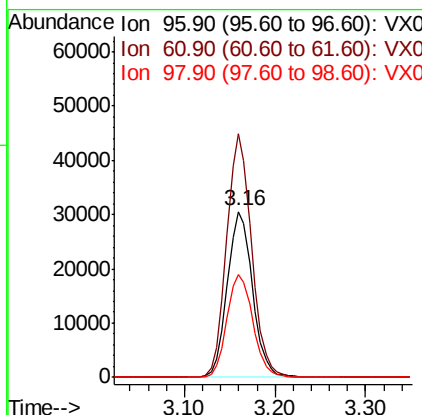
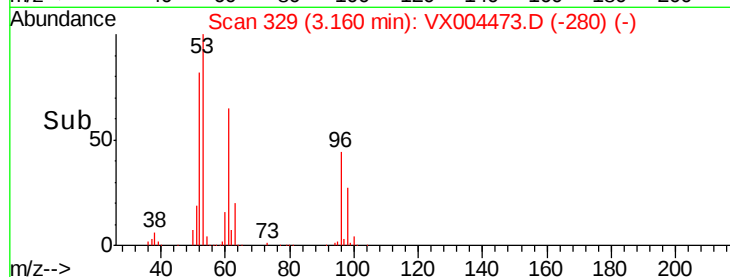
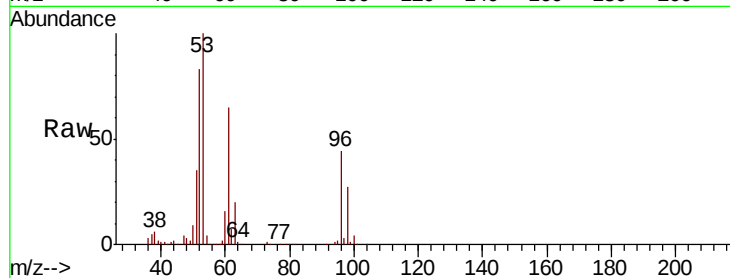
98 61.7 51.8 77.8

Manual Integrations

APPROVED

MMDadoda

9/12/2018 11:26:47 AM



#22

Diisopropyl ether

Concen: 21.08 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.00 min

Lab File: VX004473.D

Acq: 11 Sep 2018 18:47

Tgt Ion: 45 Resp: 197662

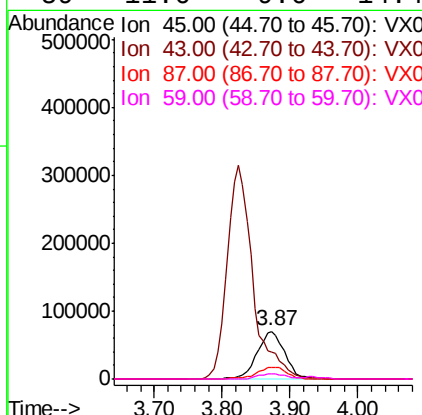
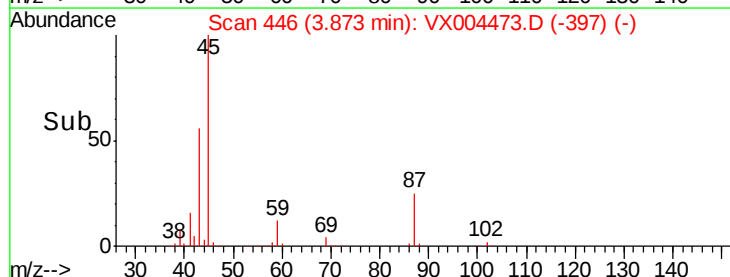
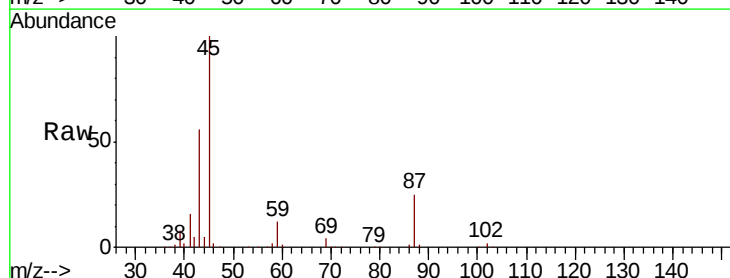
Ion Ratio Lower Upper

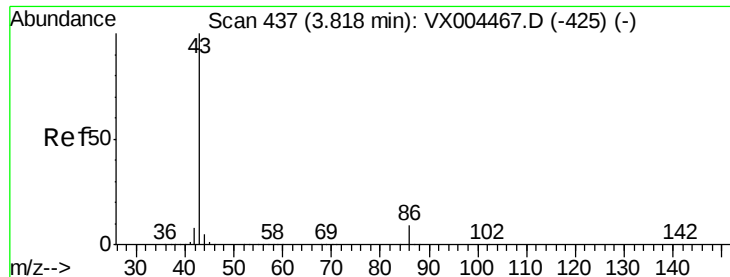
45 100

43 55.7 42.8 64.2

87 25.2 22.6 34.0

59 11.6 9.6 14.4





#23

Vinyl Acetate

Concen: 109.09 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX004473.D

Acq: 11 Sep 2018 18:47

Instrument :

MSVOA_X

ClientSampleId :

VX0911WBSD01

Tot Ion: 43 Resp: 827570

Ion Ratio Lower Upper

43 100

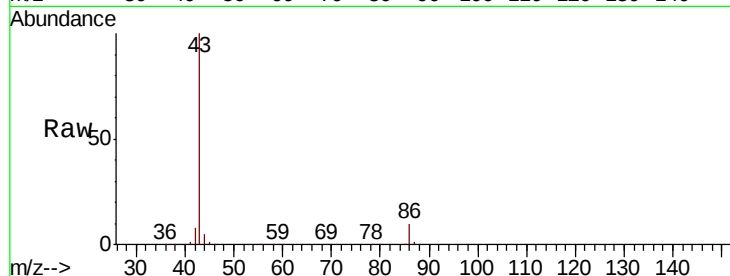
86 10.2 8.9 13.3

Manual Integrations

APPROVED

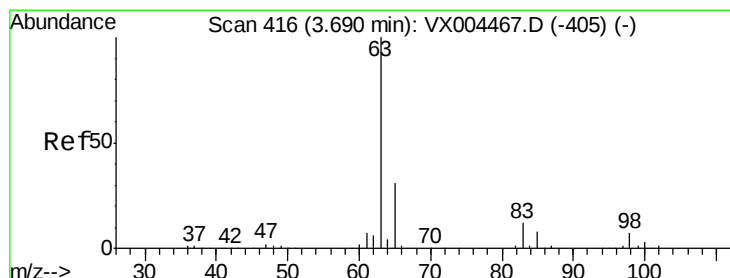
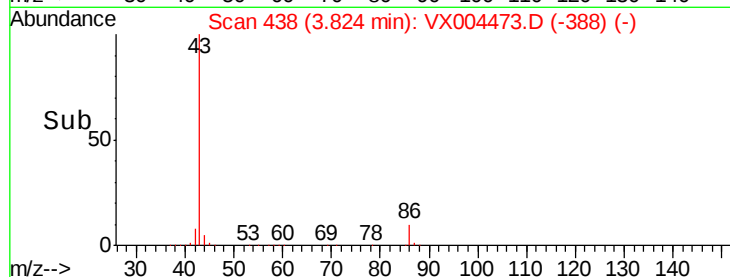
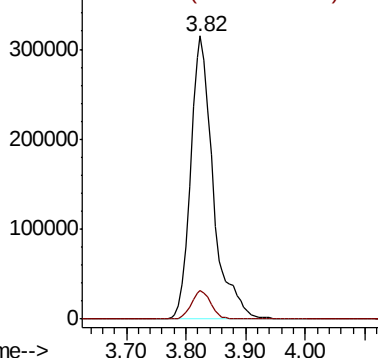
MMDadoda

9/12/2018 11:26:47 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 21.68 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX004473.D

Acq: 11 Sep 2018 18:47

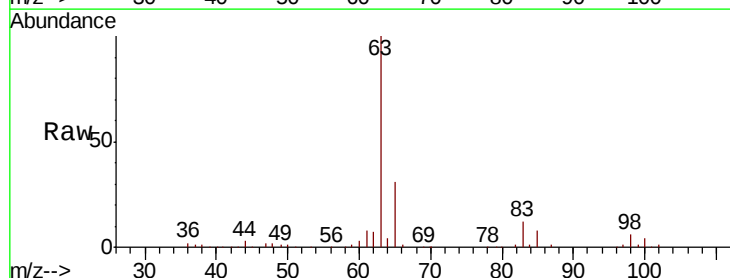
Tgt Ion: 63 Resp: 114738

Ion Ratio Lower Upper

63 100

98 6.1 3.5 10.4

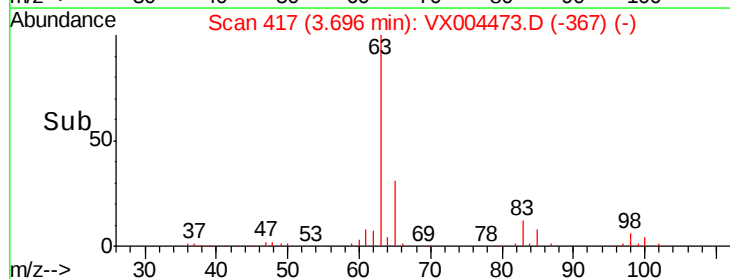
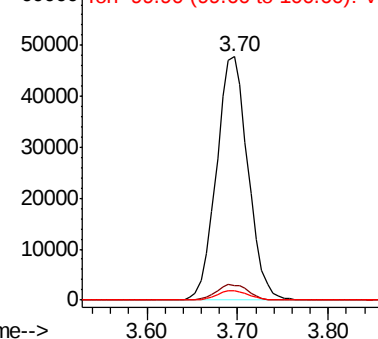
100 4.0 2.4 7.1

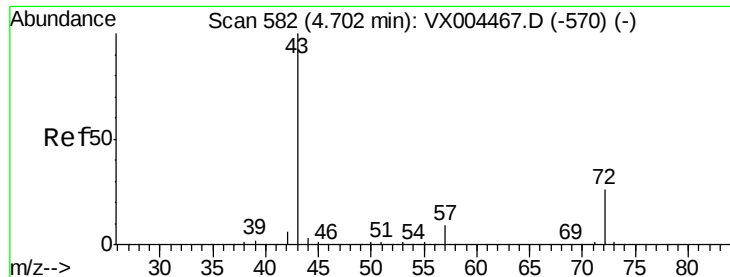


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 101.88 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX004473.D

Acq: 11 Sep 2018 18:47

Instrument :

MSVOA_X

ClientSampleId :

VX0911WBSD01

Tot Ion: 43 Resp: 247258

Ion Ratio Lower Upper

43 100

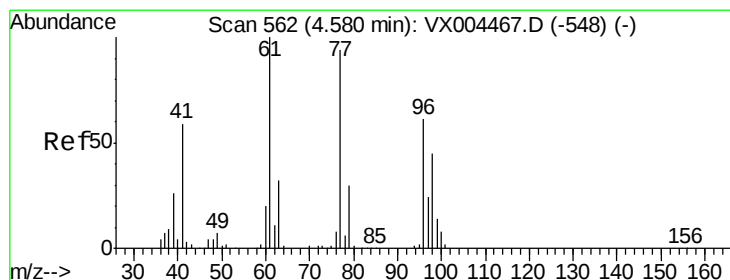
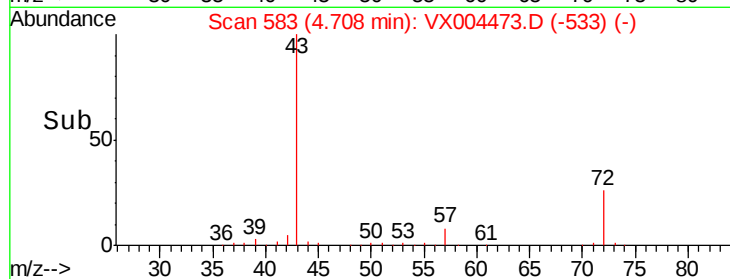
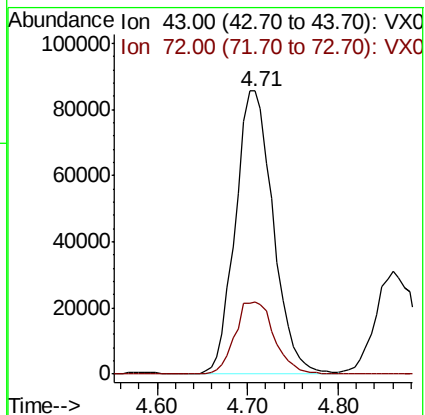
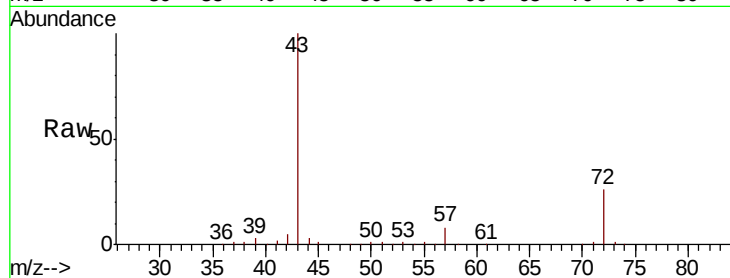
72 25.6 22.0 33.0

Manual Integrations

APPROVED

MMDadoda

9/12/2018 11:26:47 AM



#26

2,2-Dichloropropane

Concen: 20.17 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX004473.D

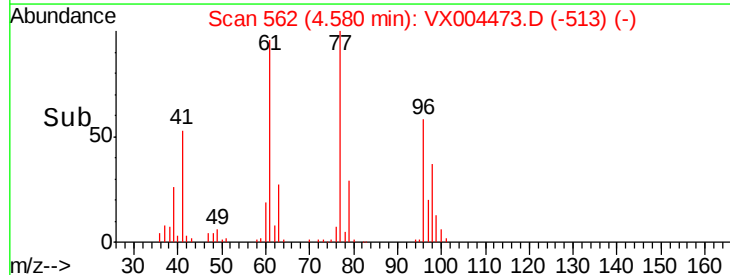
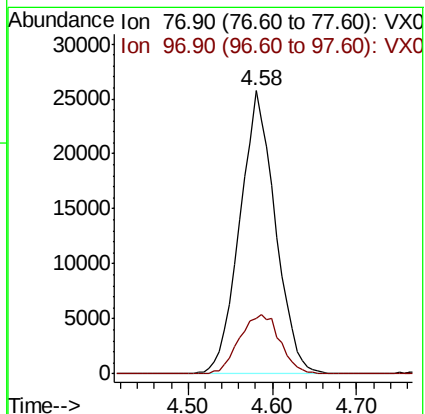
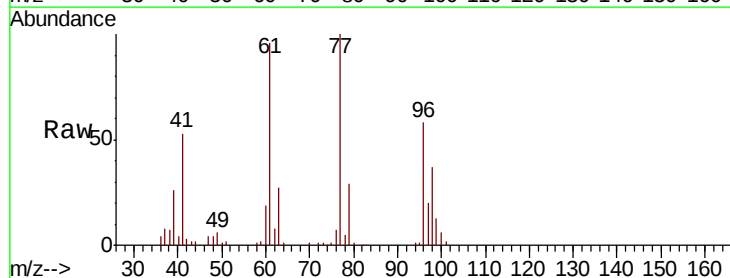
Acq: 11 Sep 2018 18:47

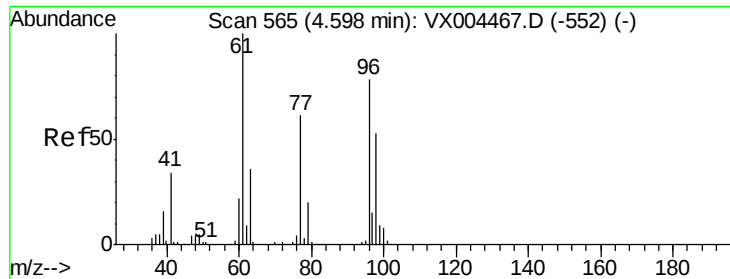
Tgt Ion: 77 Resp: 73309

Ion Ratio Lower Upper

77 100

97 24.1 11.7 35.0





#27

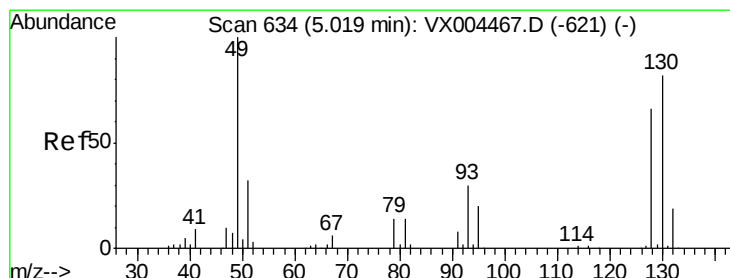
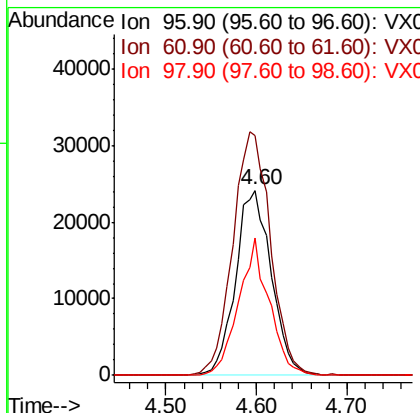
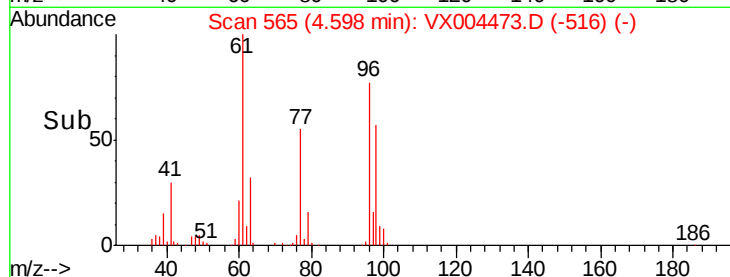
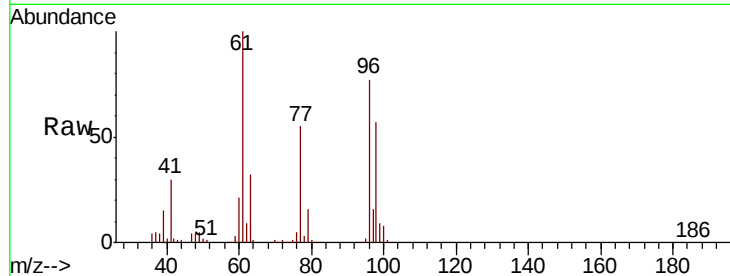
cis-1,2-Dichloroethene
Concen: 21.05 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX004473.D
Acq: 11 Sep 2018 18:47

Instrument :
MSVOA_X
ClientSampleId :
VX0911WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.8	0.0	282.6
98	63.5	0.0	130.2

Manual Integrations
APPROVED

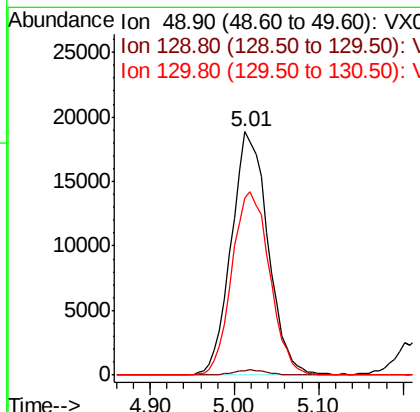
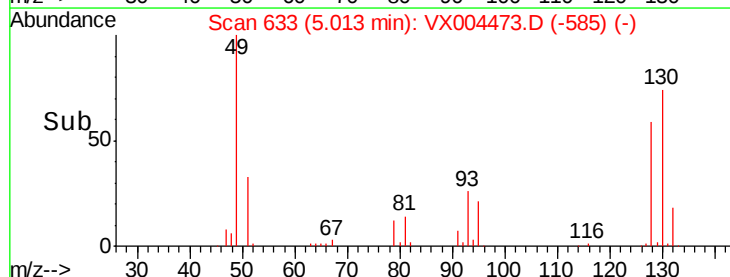
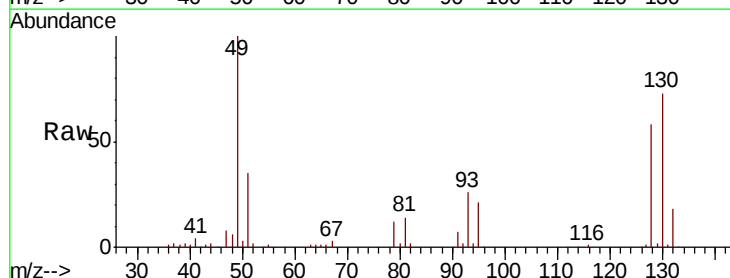
MMDadoda
9/12/2018 11:26:47 AM

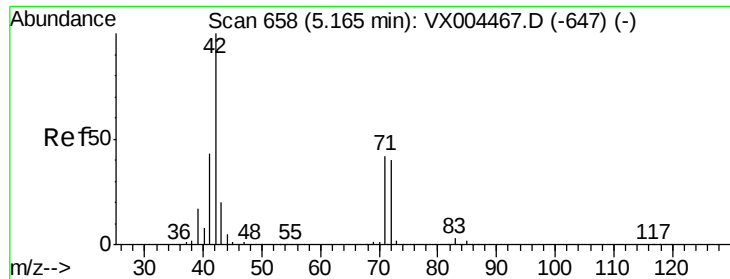


#28

Bromochloromethane
Concen: 23.02 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX004473.D
Acq: 11 Sep 2018 18:47

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.2
130	77.2	67.5	101.3





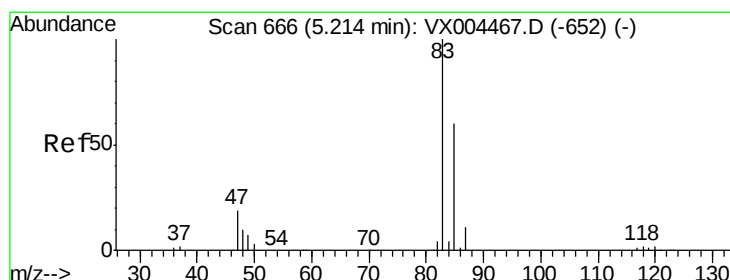
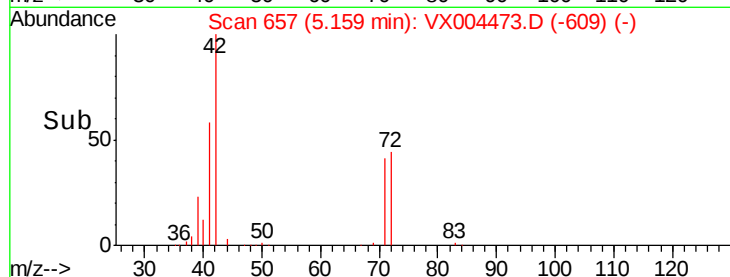
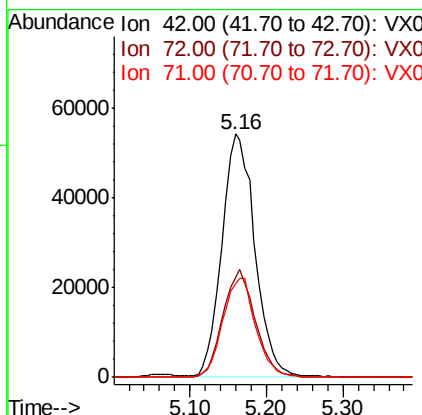
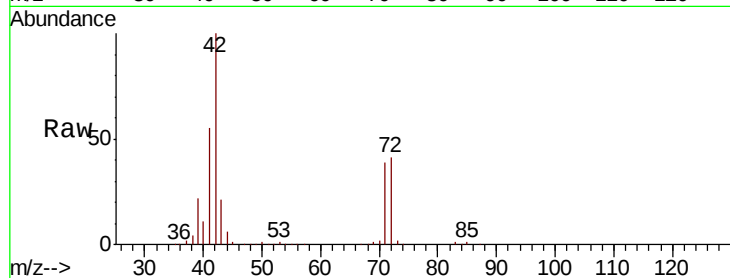
#29
Tetrahydrofuran
Concen: 110.43 ug/l
RT: 5.16 min Scan# 657
Delta R.T. -0.01 min
Lab File: VX004473.D
Acq: 11 Sep 2018 18:47

Instrument :
MSVOA_X
ClientSampleId :
VX0911WBSD01

Tot Ion:	42	Resp:	161623
Ion Ratio		Lower	Upper
42	100		
72	43.7	37.4	56.0
71	40.7	34.5	51.7

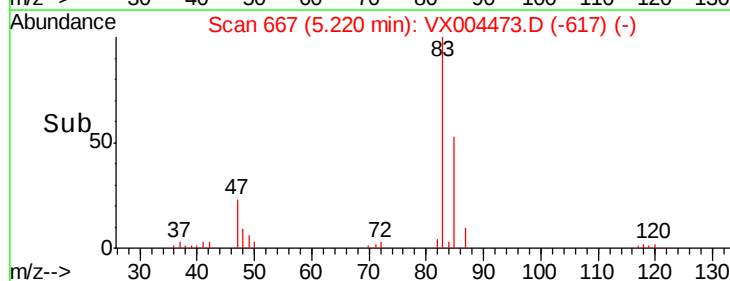
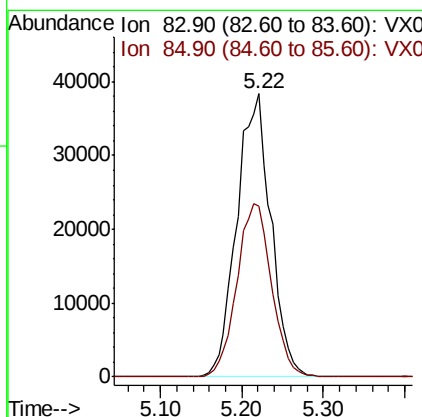
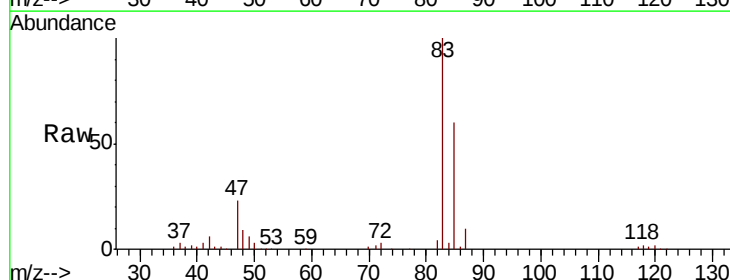
Manual Integrations
APPROVED

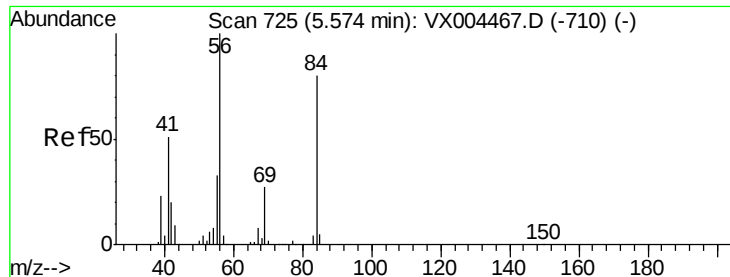
MMDadoda
9/12/2018 11:26:47 AM



#30
Chloroform
Concen: 21.44 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX004473.D
Acq: 11 Sep 2018 18:47

Tgt Ion:	83	Resp:	110777
Ion Ratio		Lower	Upper
83	100		
85	60.2	52.6	79.0





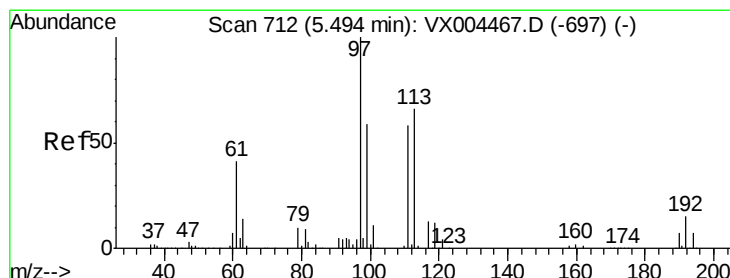
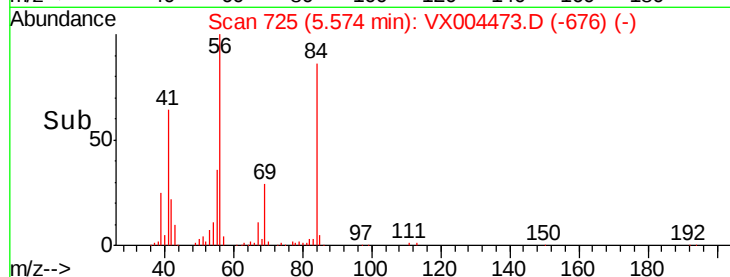
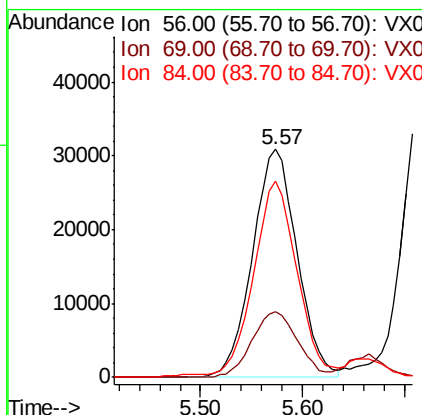
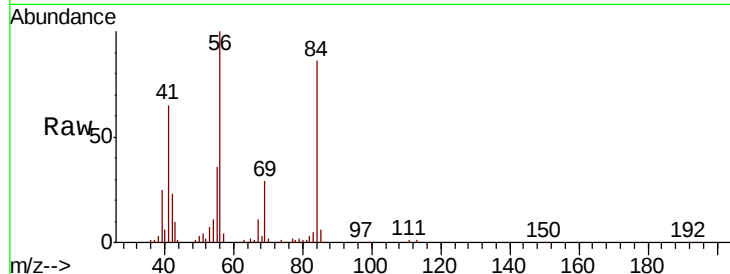
#31
Cyclohexane
Concen: 20.75 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX004473.D
Acq: 11 Sep 2018 18:47

Instrument :
MSVOA_X
ClientSampleId :
VX0911WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.6	25.4	38.2
84	85.0	71.4	107.2

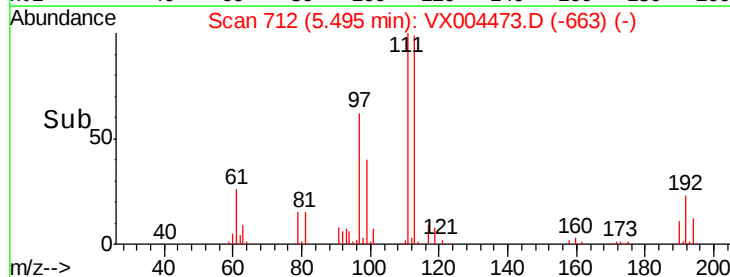
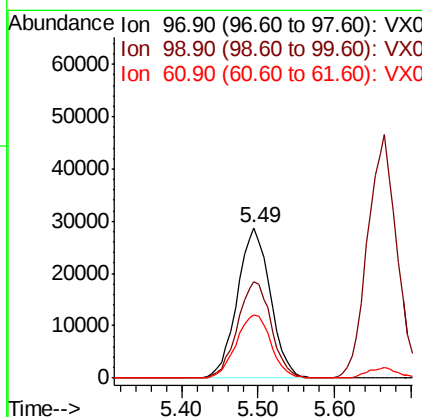
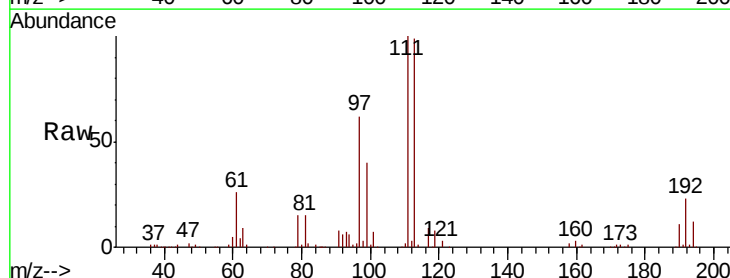
Manual Integrations
APPROVED

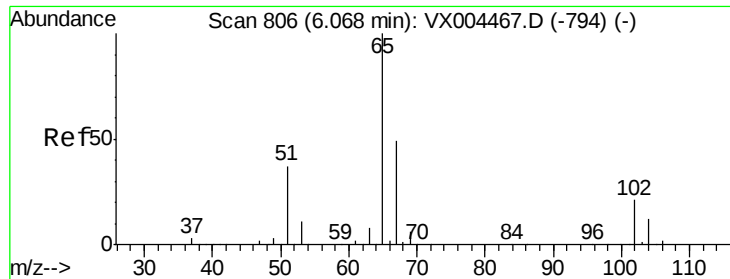
MMDadoda
9/12/2018 11:26:47 AM



#32
1,1,1-Trichloroethane
Concen: 20.66 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX004473.D
Acq: 11 Sep 2018 18:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.4	52.0	78.0
61	44.3	34.9	52.3





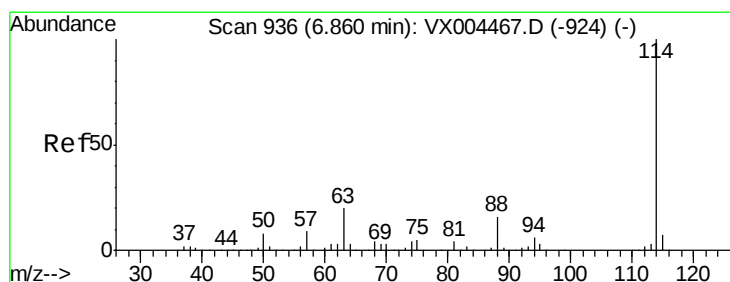
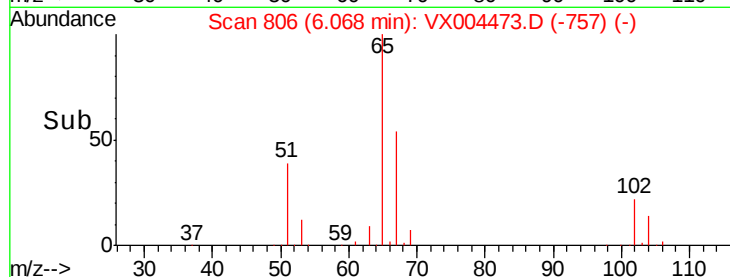
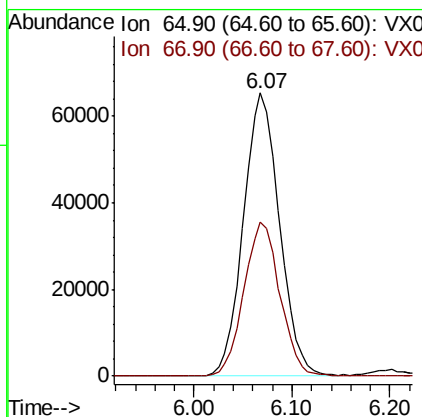
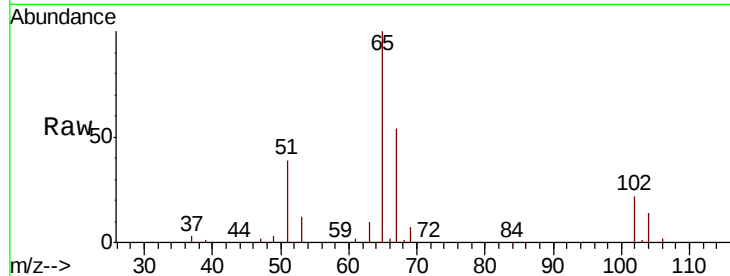
#33
 1,2-Dichloroethane-d4
 Concen: 53.53 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX004473.D
 Acq: 11 Sep 2018 18:47

Instrument :
 MSVOA_X
 ClientSampled :
 VX0911WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	167257		
67	54.4	0.0	106.8	

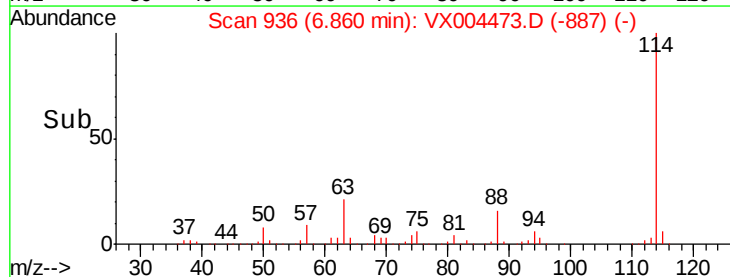
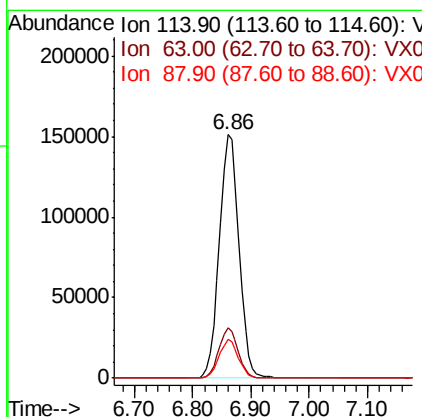
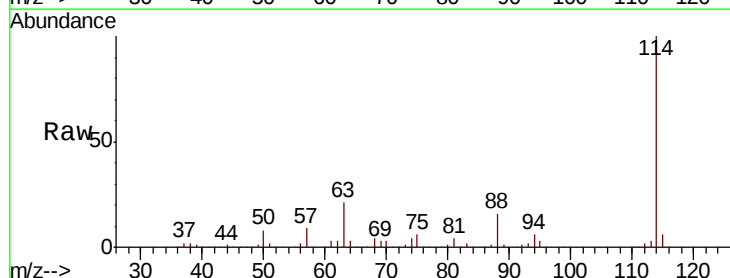
Manual Integrations
 APPROVED

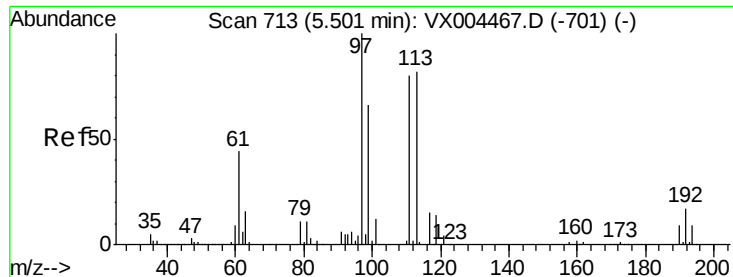
MMDadoda
 9/12/2018 11:26:47 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX004473.D
 Acq: 11 Sep 2018 18:47

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	354792		
63	20.8	0.0	39.0	
88	15.8	0.0	30.4	





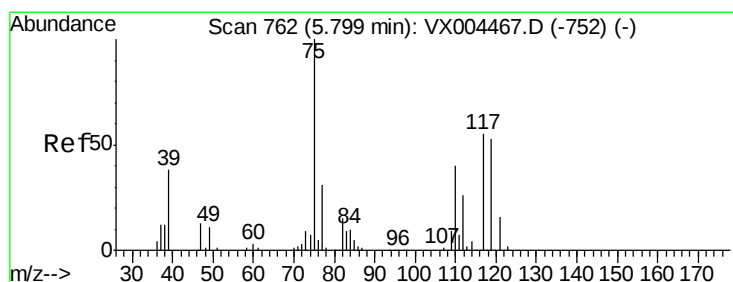
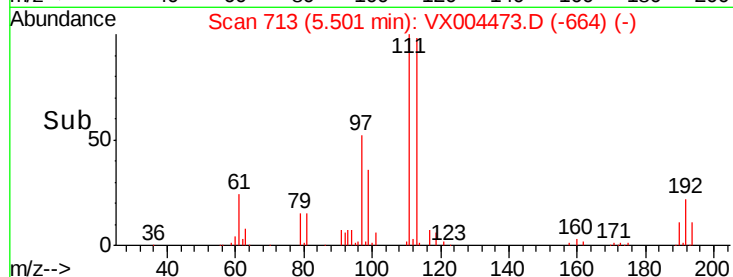
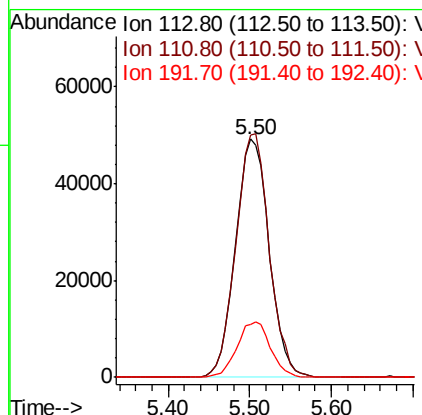
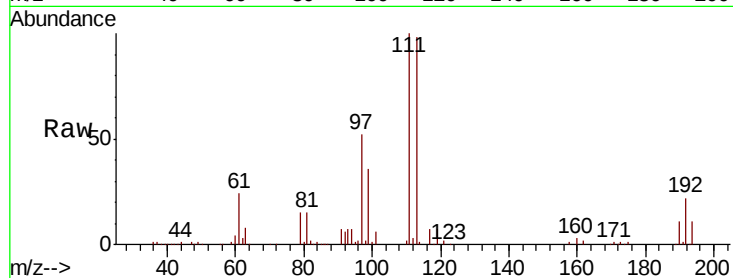
#35
 Dibromofluoromethane
 Concen: 43.28 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX004473.D
 Acq: 11 Sep 2018 18:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0911WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	140519		
111	101.3	82.4	123.6	
192	23.2	19.4	29.2	

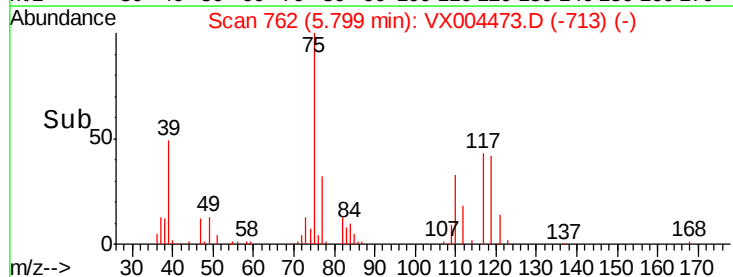
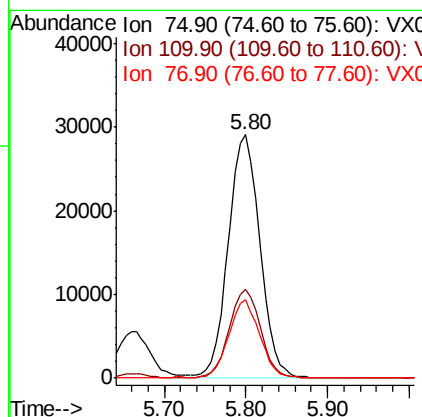
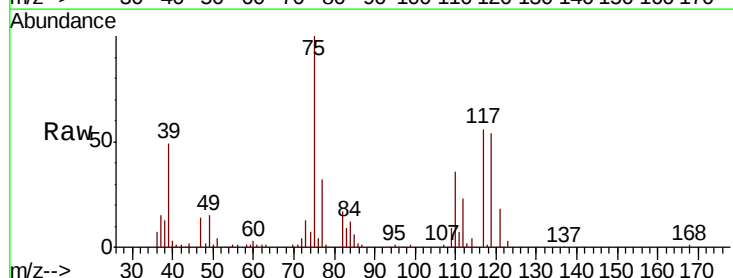
Manual Integrations
 APPROVED

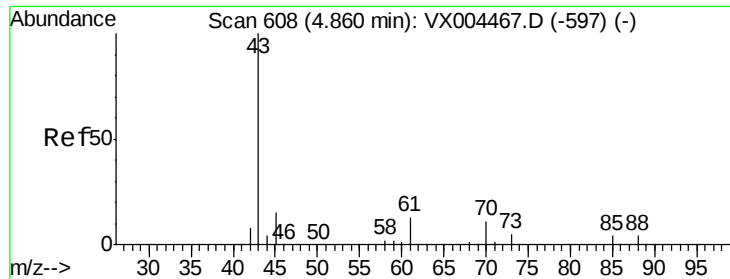
MMDadoda
 9/12/2018 11:26:47 AM



#36
 1,1-Dichloropropene
 Concen: 18.03 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX004473.D
 Acq: 11 Sep 2018 18:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	77662		
110	36.3	18.0	54.0	
77	31.6	24.6	36.8	





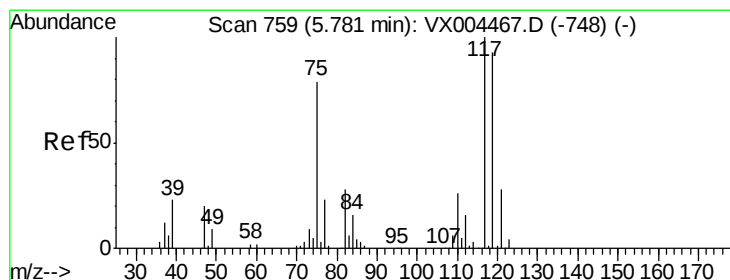
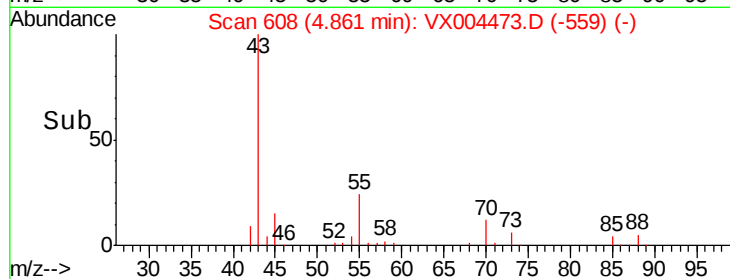
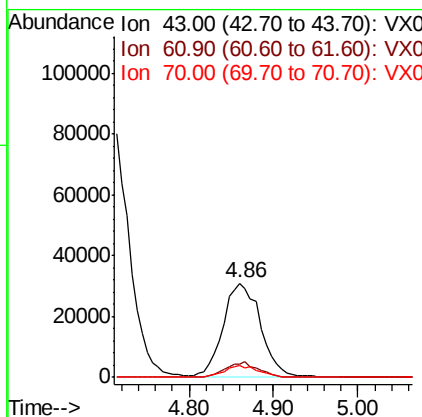
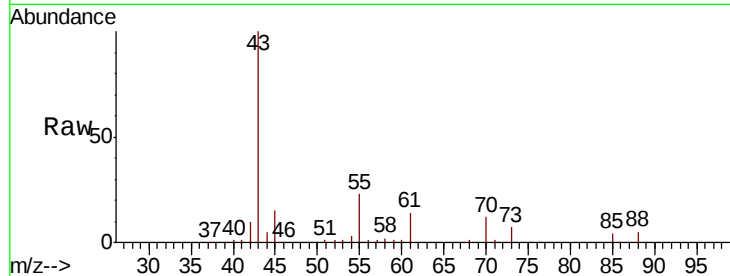
#37
Ethyl Acetate
Concen: 18.98 ug/l
RT: 4.86 min Scan# 608
Delta R.T. 0.00 min
Lab File: VX004473.D
Acq: 11 Sep 2018 18:47

Instrument :
MSVOA_X
ClientSampleID :
VX0911WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.5	17.3
70	11.3	9.0	13.6

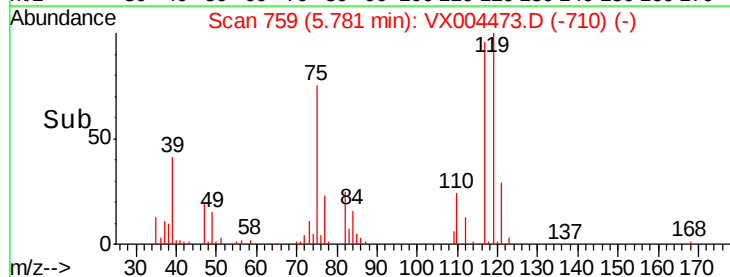
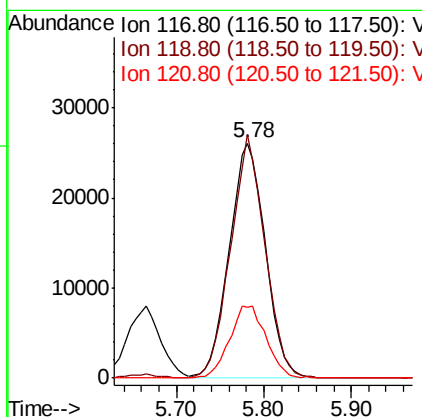
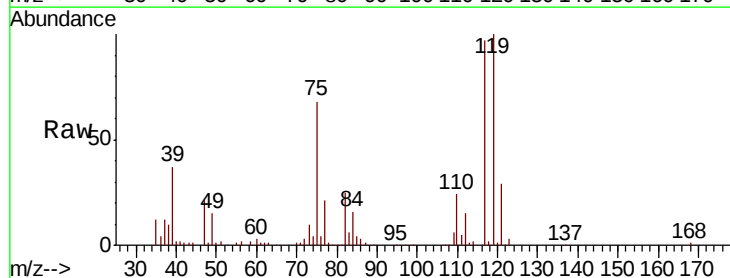
Manual Integrations
APPROVED

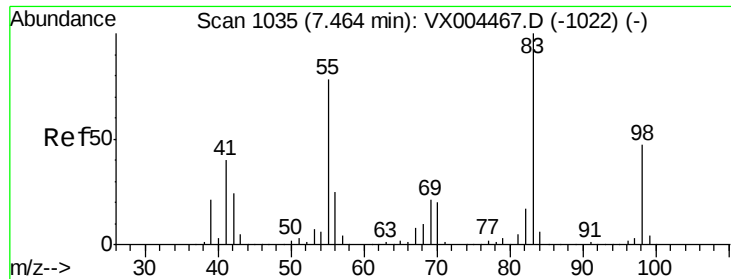
MMDadoda
9/12/2018 11:26:47 AM



#38
Carbon Tetrachloride
Concen: 17.80 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX004473.D
Acq: 11 Sep 2018 18:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	103.5	78.8	118.2
121	30.1	24.9	37.3





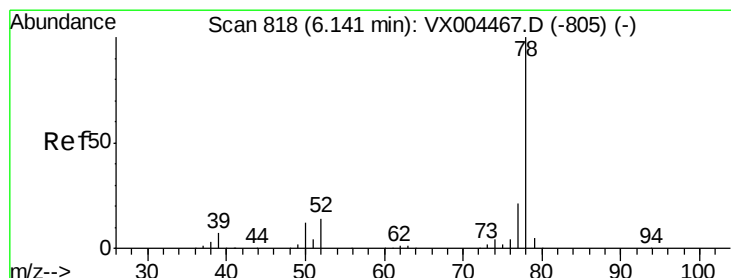
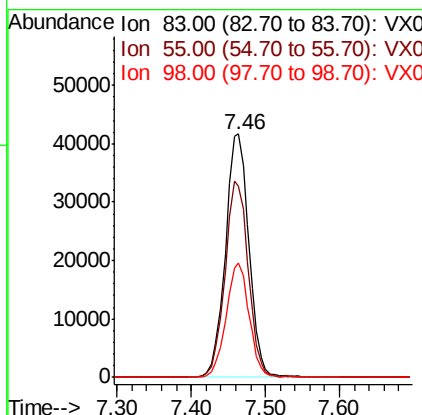
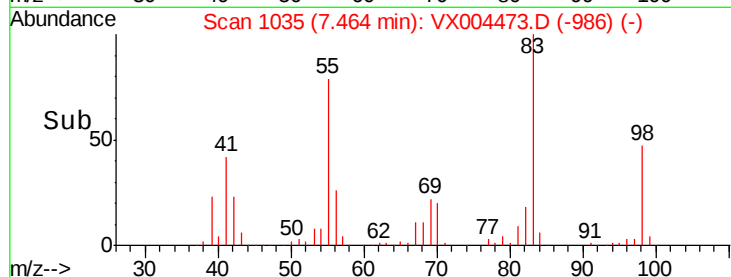
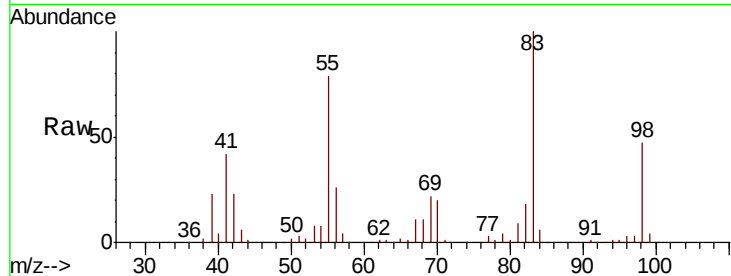
#39
Methylvlcyclohexane
Concen: 20.45 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX004473.D
Acq: 11 Sep 2018 18:47

Instrument :
MSVOA_X
ClientSampleId :
VX0911WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.7	61.0	91.4
98	46.9	39.6	59.4

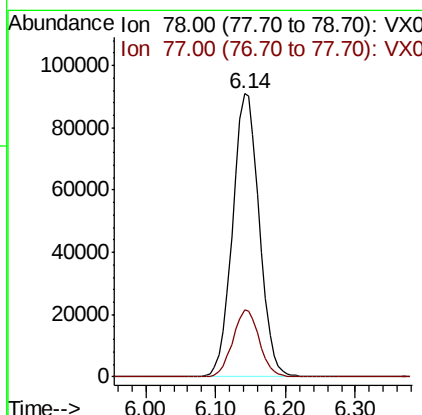
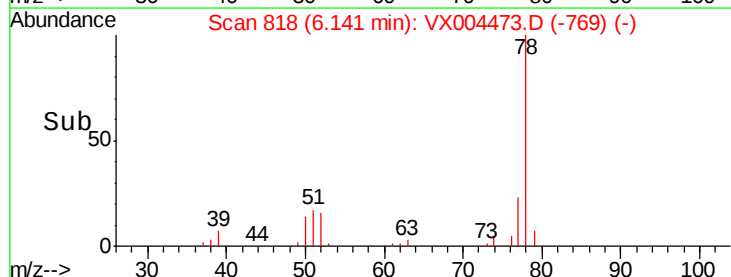
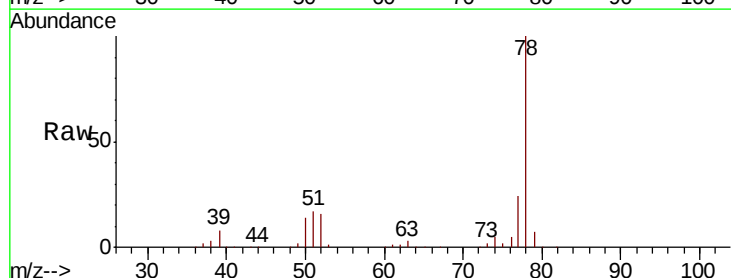
Manual Integrations
APPROVED

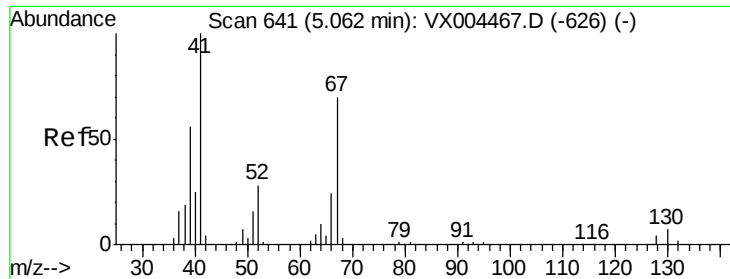
MMDadoda
9/12/2018 11:26:47 AM



#40
Benzene
Concen: 18.85 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX004473.D
Acq: 11 Sep 2018 18:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.4





#41

Methacrylonitrile

Concen: 18.86 ug/l

RT: 5.06 min Scan# 641

Delta R.T. 0.00 min

Lab File: VX004473.D

Acq: 11 Sep 2018 18:47

Instrument :

MSVOA_X

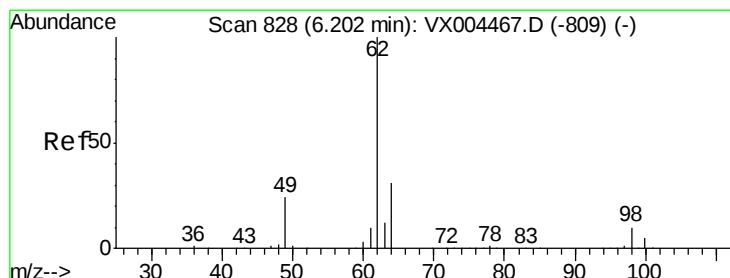
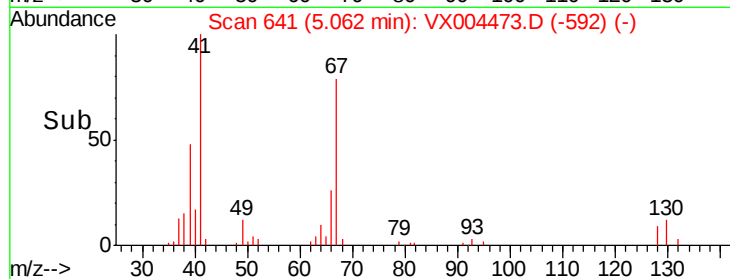
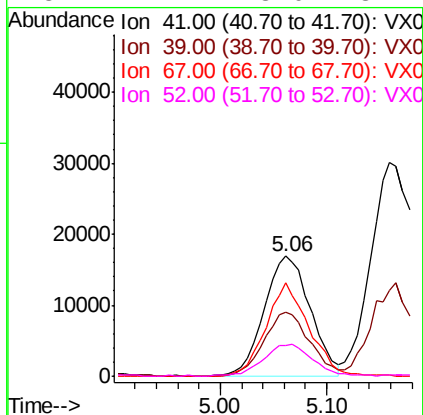
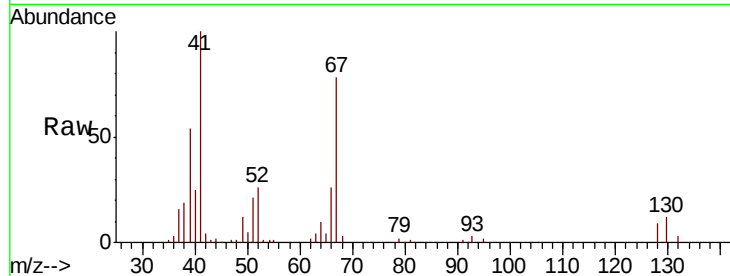
ClientSampleId :

VX0911WBSD01

Tot Ion:	41	Resp:	50912
Ion	Ratio	Lower	Upper
41	100		
39	53.1	42.4	63.6
67	72.2	59.2	88.8
52	27.4	23.0	34.4

Manual Integrations
APPROVED

MMDadoda
9/12/2018 11:26:47 AM



#42

1,2-Dichloroethane

Concen: 18.97 ug/l

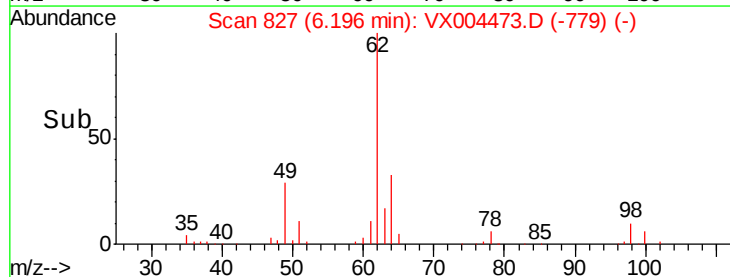
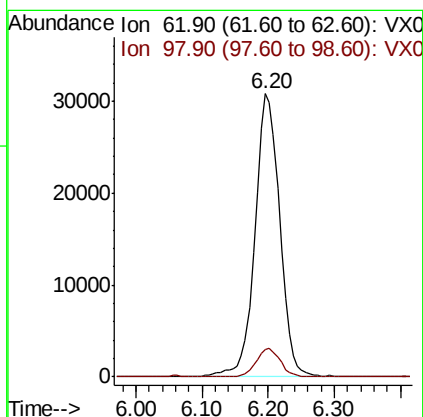
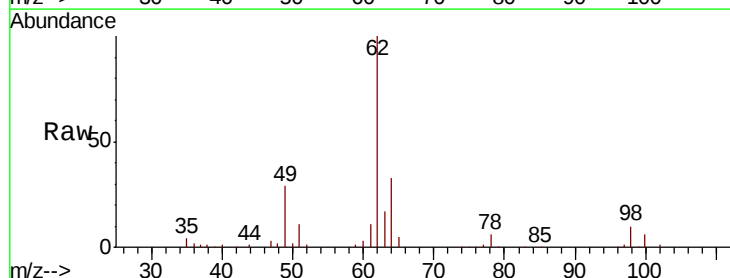
RT: 6.20 min Scan# 827

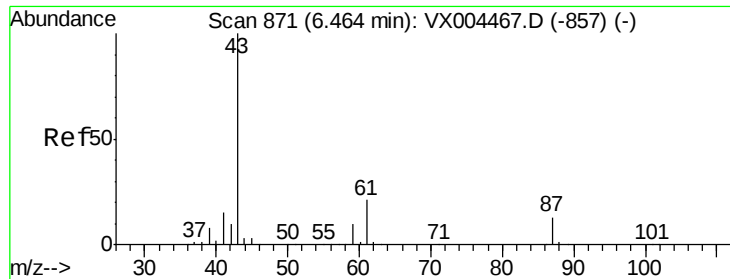
Delta R.T. -0.01 min

Lab File: VX004473.D

Acq: 11 Sep 2018 18:47

Tgt Ion:	62	Resp:	80422
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	20.6





#43

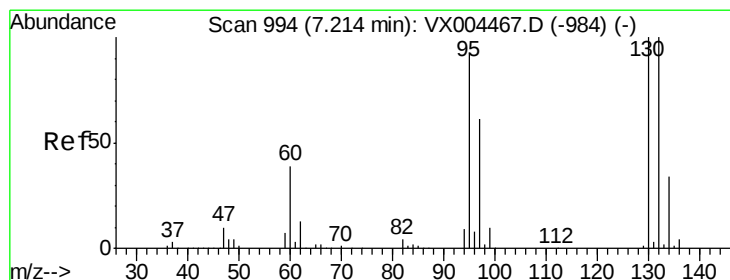
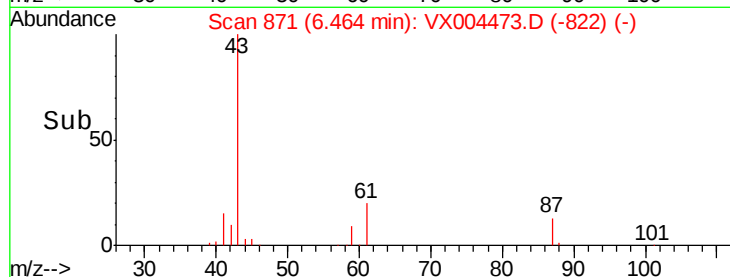
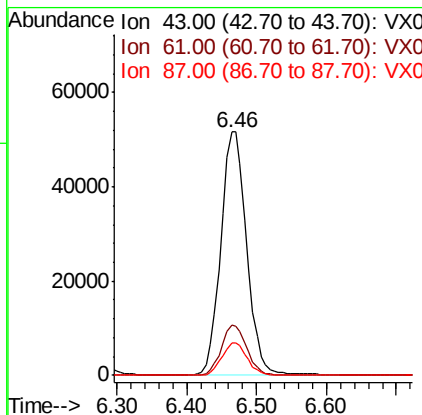
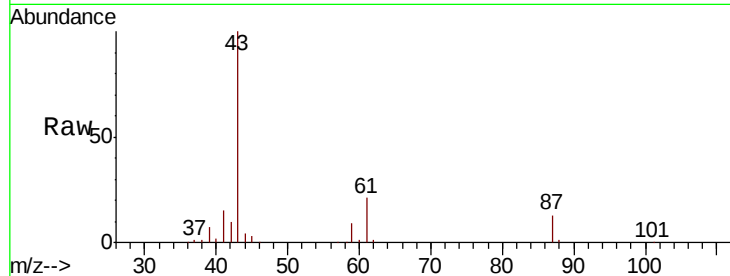
Isopropyl Acetate
 Concen: 20.31 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. 0.00 min
 Lab File: VX004473.D
 Acq: 11 Sep 2018 18:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0911WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.4	17.0	25.4
87	13.2	11.4	17.2

Manual Integrations
 APPROVED

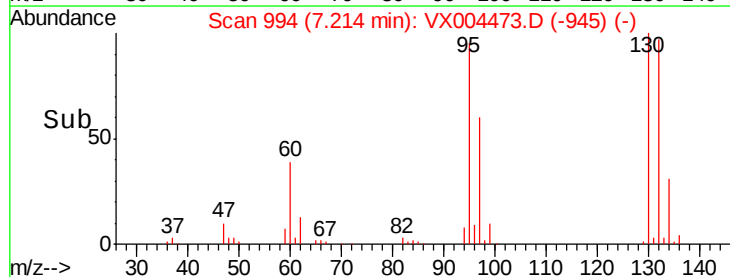
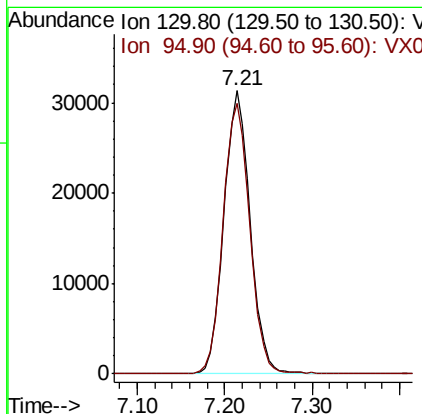
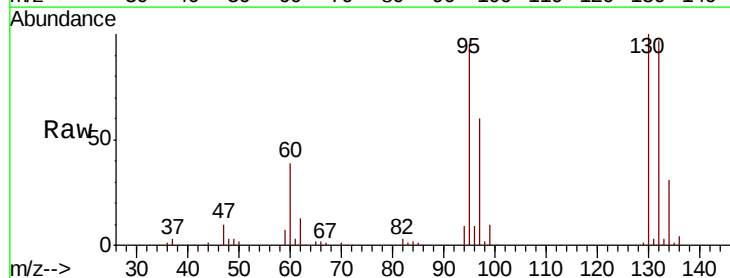
MMDadoda
 9/12/2018 11:26:47 AM

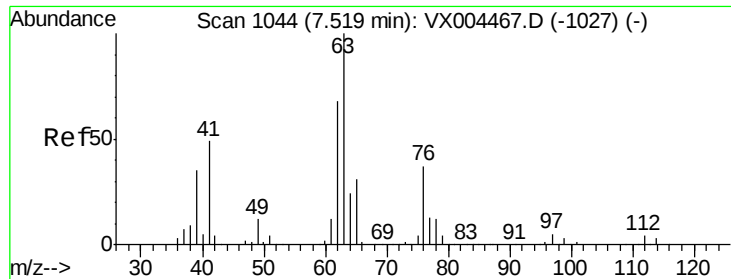


#44

Trichloroethene
 Concen: 19.68 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX004473.D
 Acq: 11 Sep 2018 18:47

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.4	0.0	181.6





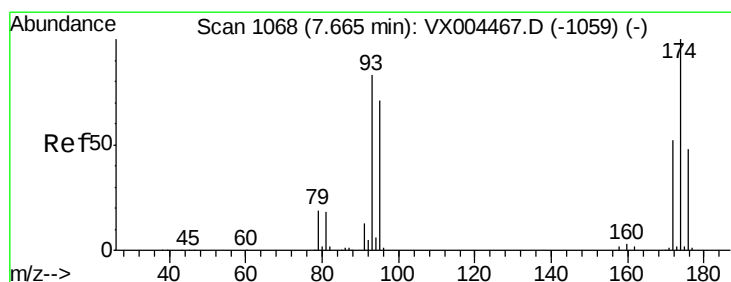
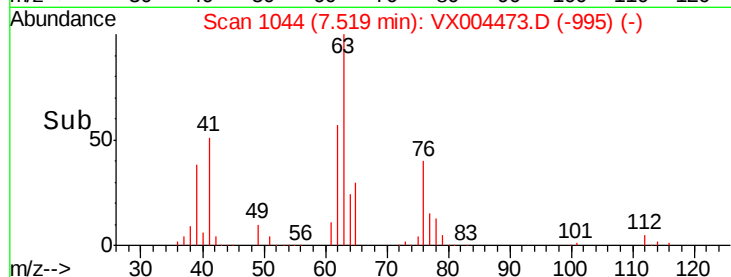
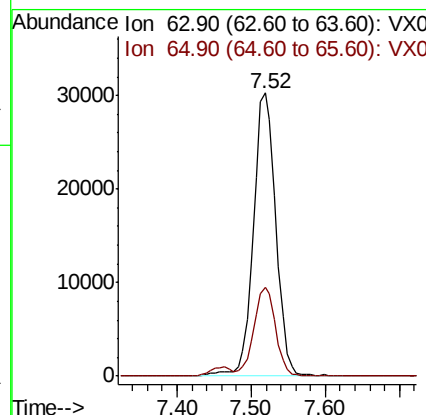
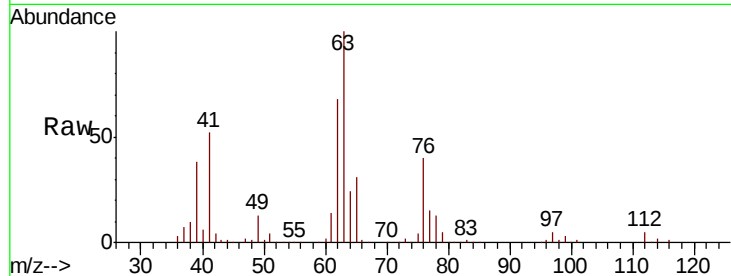
#45
 1,2-Dichloropropane
 Concen: 20.82 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.00 min
 Lab File: VX004473.D
 Acq: 11 Sep 2018 18:47

Instrument :
 MSVOA_X
 ClientSampled :
 VX0911WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.3	36.5

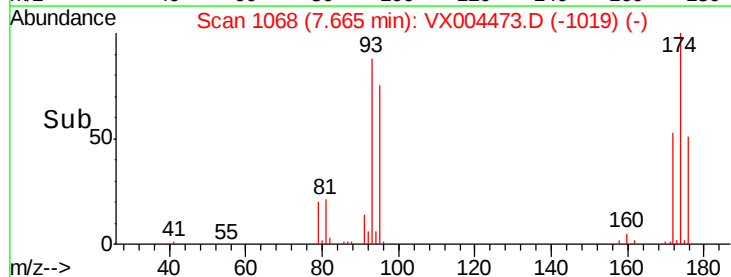
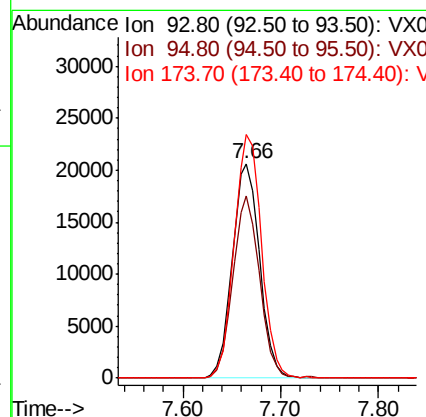
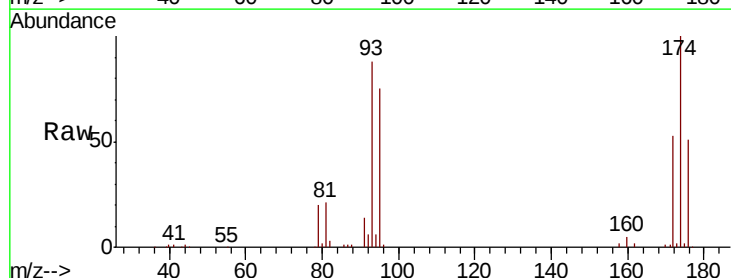
Manual Integrations
 APPROVED

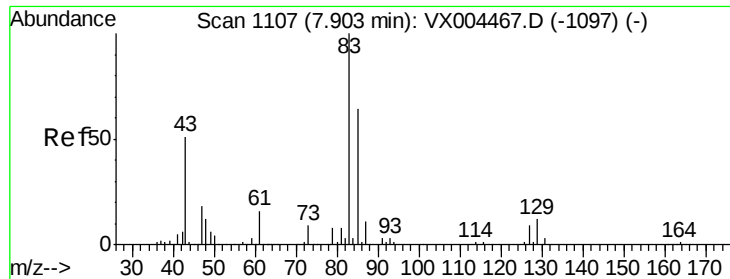
MMDadoda
 9/12/2018 11:26:47 AM



#46
 Dibromomethane
 Concen: 20.57 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VX004473.D
 Acq: 11 Sep 2018 18:47

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.9	65.5	98.3
174	113.7	94.2	141.4





#47

Bromodichloromethane

Concen: 19.94 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VX004473.D

Acq: 11 Sep 2018 18:47

Instrument :

MSVOA_X

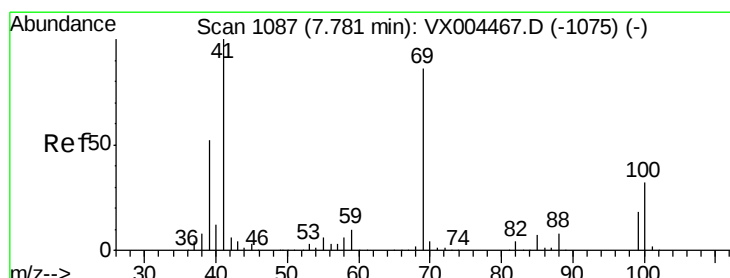
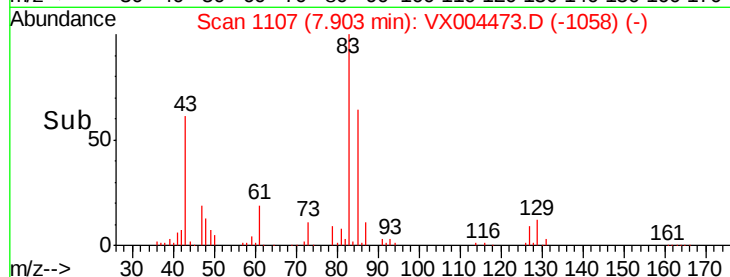
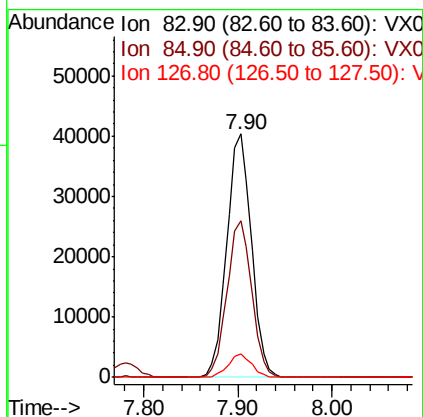
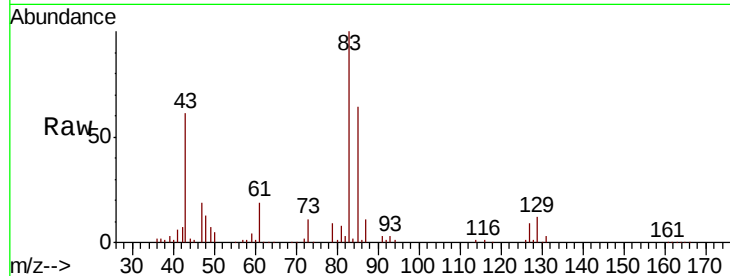
ClientSampleId :

VX0911WBSD01

Tot Ion:	83	Resp:	73276
Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.9	76.3
127	9.4	7.3	10.9

Manual Integrations
APPROVED

MMDadoda
9/12/2018 11:26:47 AM



#48

Methyl methacrylate

Concen: 21.34 ug/l

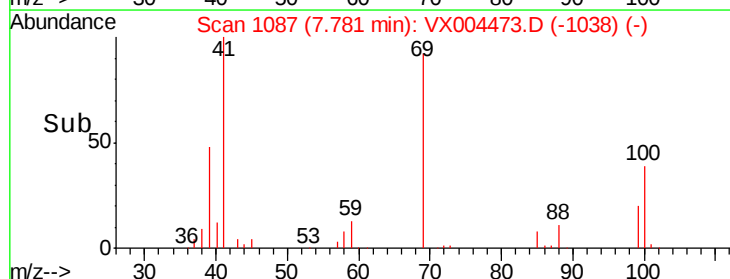
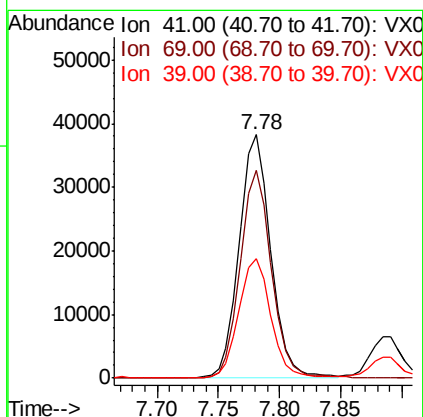
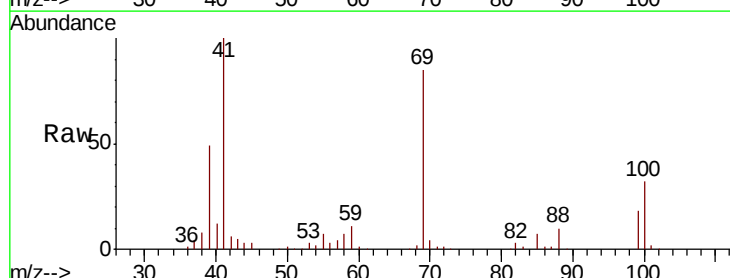
RT: 7.78 min Scan# 1087

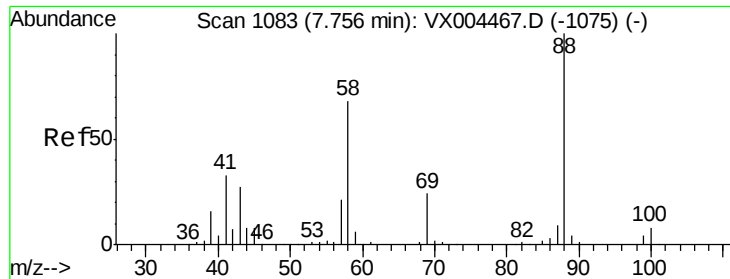
Delta R.T. 0.00 min

Lab File: VX004473.D

Acq: 11 Sep 2018 18:47

Tgt Ion:	41	Resp:	68708
Ion	Ratio	Lower	Upper
41	100		
69	84.7	70.2	105.4
39	49.7	42.7	64.1





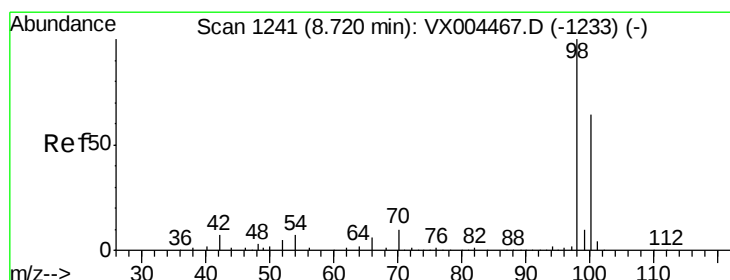
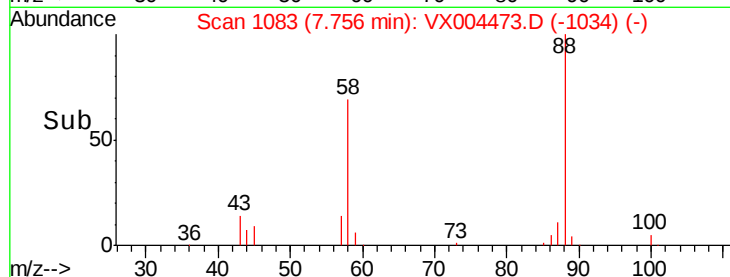
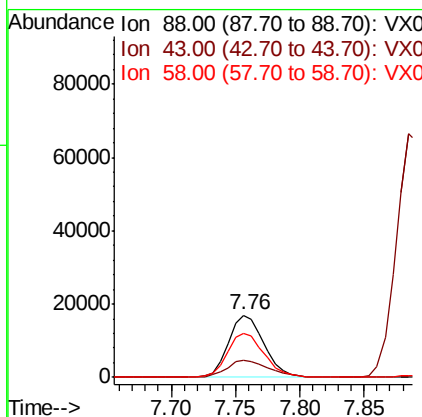
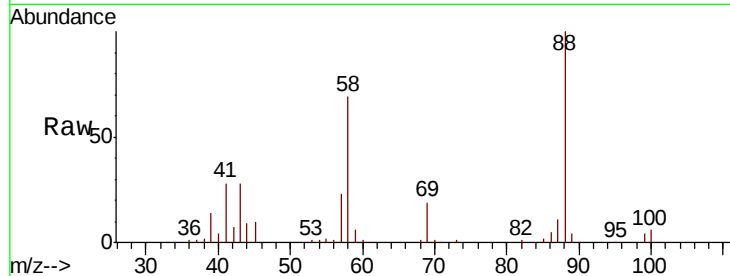
#49
1,4-Dioxane
Concen: 430.56 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.00 min
Lab File: VX004473.D
Acq: 11 Sep 2018 18:47

Instrument :
MSVOA_X
ClientSampleId :
VX0911WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.1	24.7	37.1
58	73.0	55.3	82.9

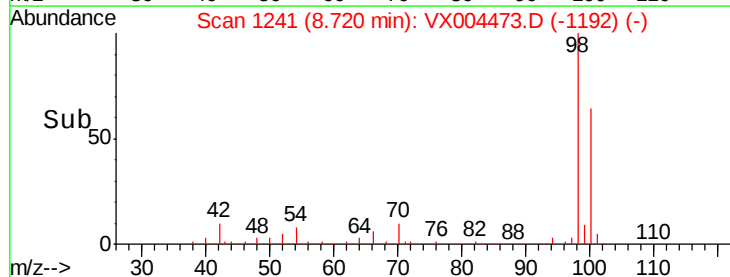
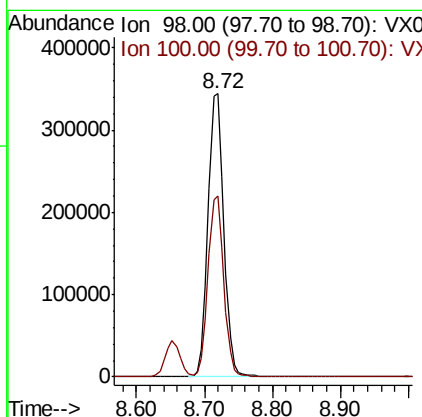
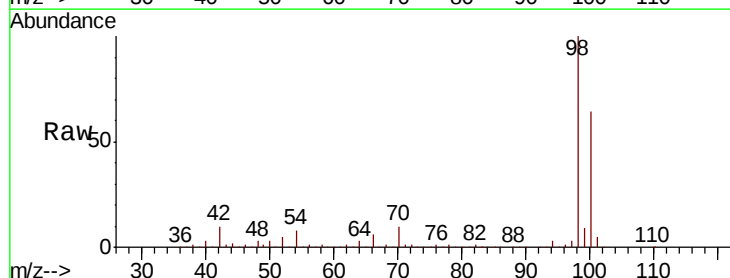
Manual Integrations
APPROVED

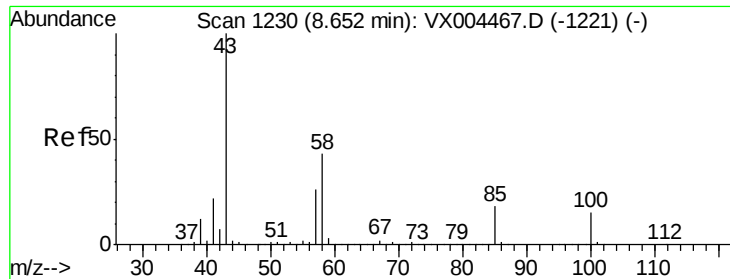
MMDadoda
9/12/2018 11:26:47 AM



#50
Toluene-d8
Concen: 50.86 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VX004473.D
Acq: 11 Sep 2018 18:47

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.9	79.3





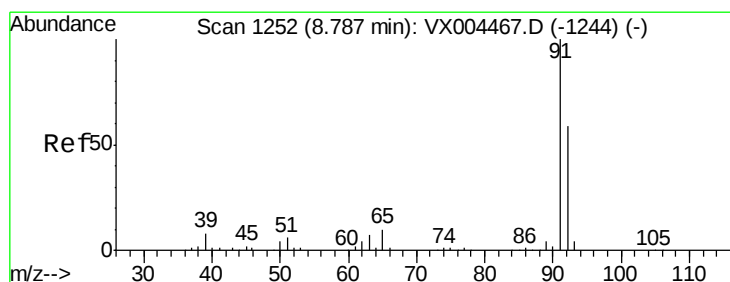
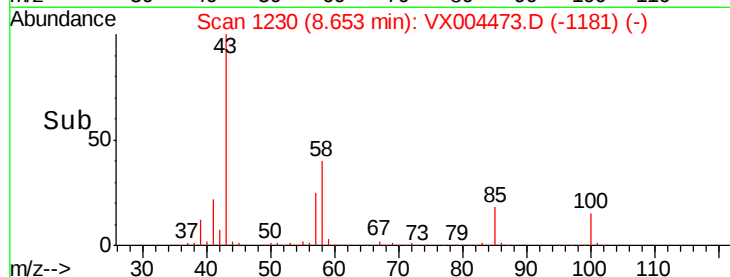
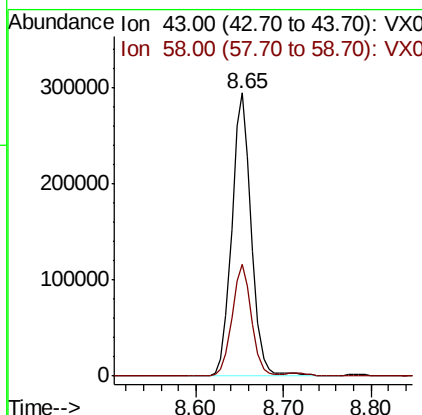
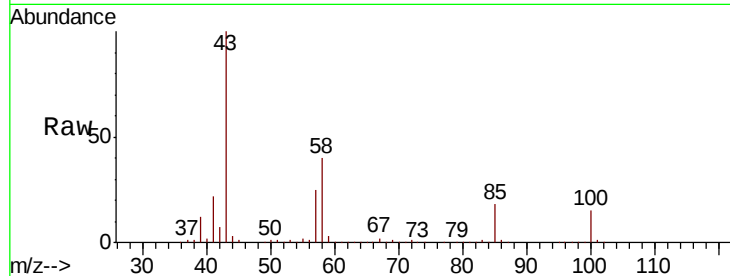
#51
4-Methyl-2-Pentanone
Concen: 99.97 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VX004473.D
Acq: 11 Sep 2018 18:47

Instrument :
MSVOA_X
ClientSampleId :
VX0911WBSD01

Tot Ion	43	58	Resp	Lower	Upper
43	100				
58	39.1		33.1	49.7	

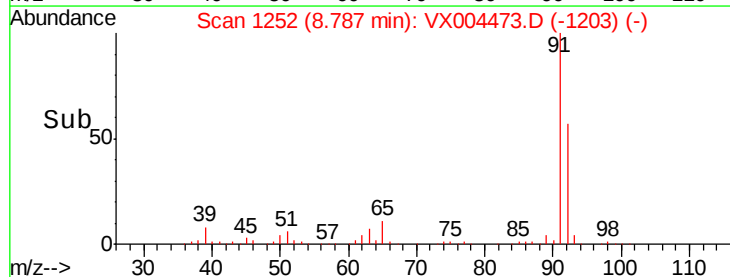
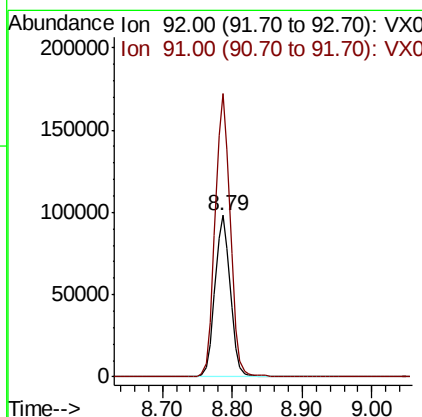
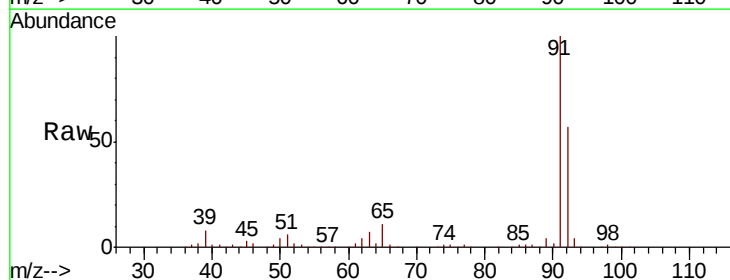
Manual Integrations
APPROVED

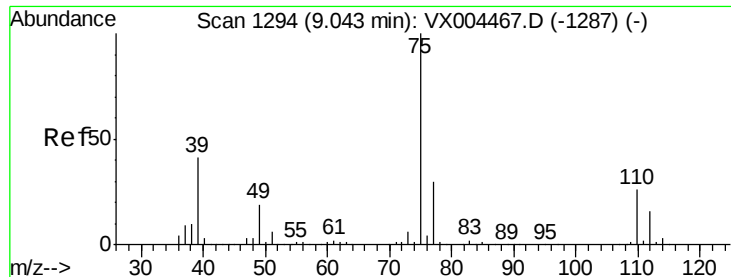
MMDadoda
9/12/2018 11:26:47 AM



#52
Toluene
Concen: 19.88 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX004473.D
Acq: 11 Sep 2018 18:47

Tgt Ion	92	91	Resp	Lower	Upper
92	100				
91	173.7		136.4	204.6	





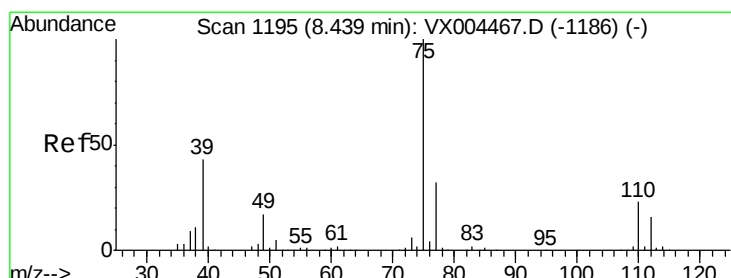
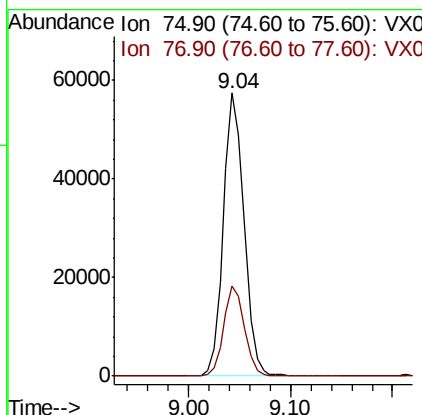
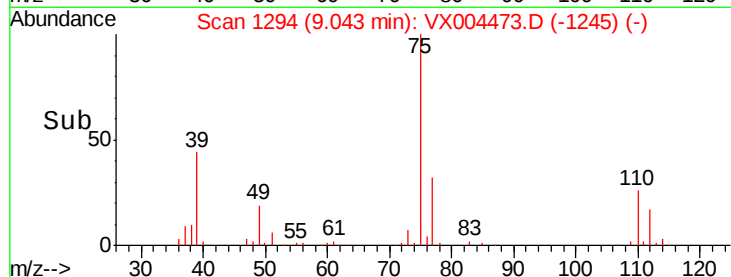
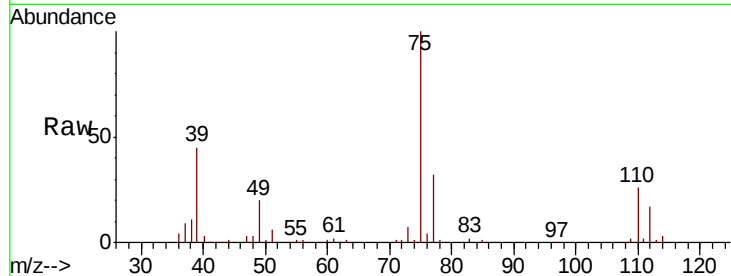
#53
t-1,3-Dichloropropene
Concen: 18.92 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX004473.D
Acq: 11 Sep 2018 18:47

Instrument :
MSVOA_X
ClientSampleId :
VX0911WBSD01

Tot Ion: 75 Resp: 81198
Ion Ratio Lower Upper
75 100
77 31.9 24.6 37.0

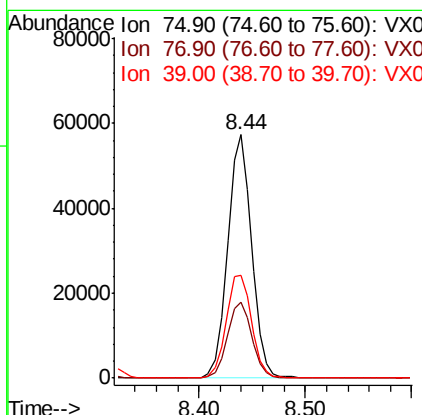
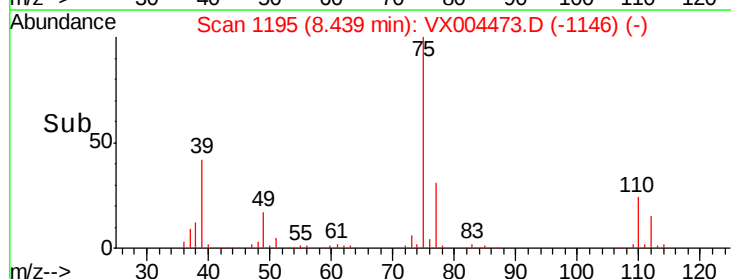
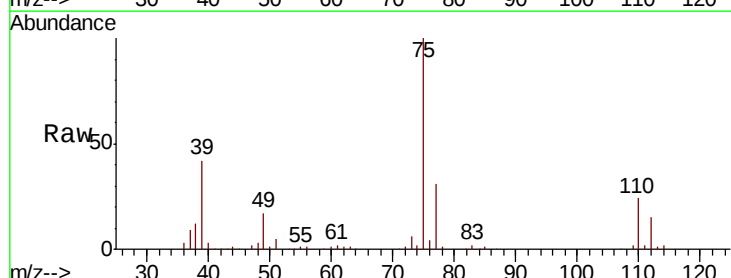
Manual Integrations
APPROVED

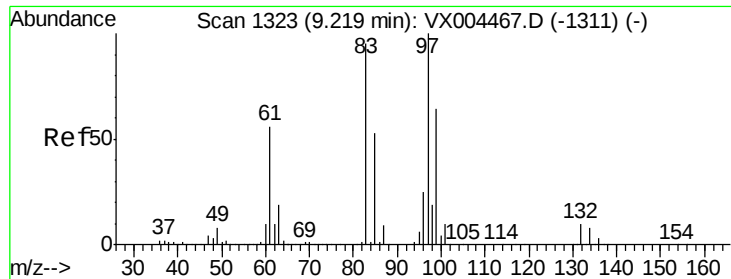
MMDadoda
9/12/2018 11:26:47 AM



#54
cis-1,3-Dichloropropene
Concen: 20.63 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. 0.00 min
Lab File: VX004473.D
Acq: 11 Sep 2018 18:47

Tgt Ion: 75 Resp: 90271
Ion Ratio Lower Upper
75 100
77 31.4 26.2 39.2
39 42.2 36.4 54.6





#55

1,1,2-Trichloroethane

Concen: 18.95 ug/l

RT: 9.22 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX004473.D

Acq: 11 Sep 2018 18:47

Instrument :

MSVOA_X

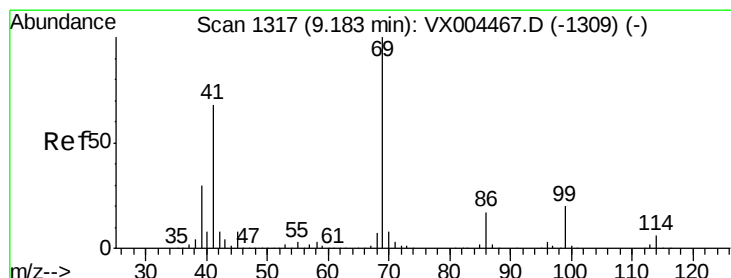
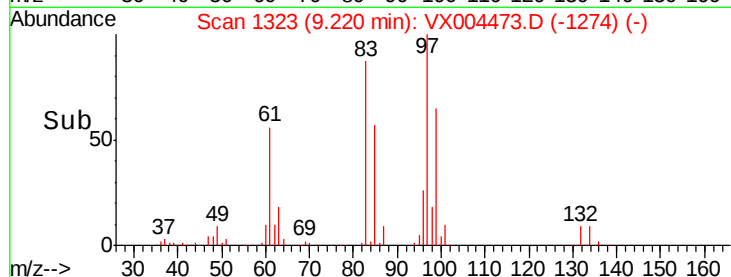
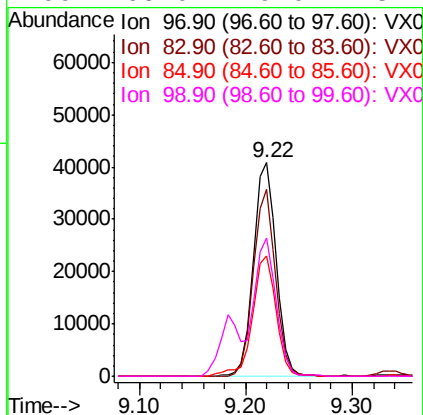
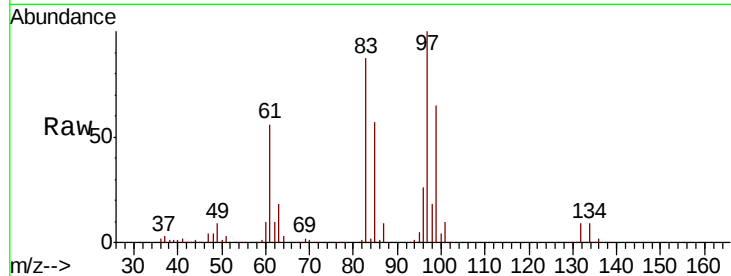
ClientSampleId :

VX0911WBSD01

Tot Ion:	97	Resp:	61453
Ion	Ratio	Lower	Upper
97	100		
83	87.2	66.4	99.6
85	56.5	43.3	64.9
99	65.0	49.0	73.4

Manual Integrations
APPROVED

MMDadoda
9/12/2018 11:26:47 AM



#56

Ethyl methacrylate

Concen: 18.81 ug/l

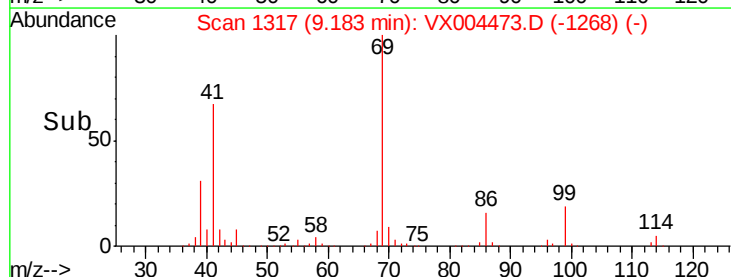
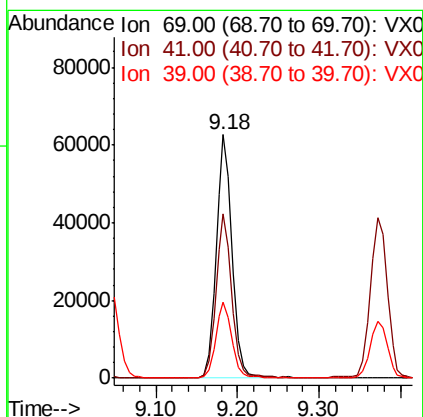
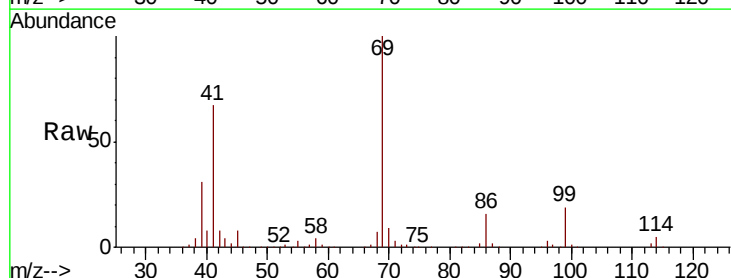
RT: 9.18 min Scan# 1317

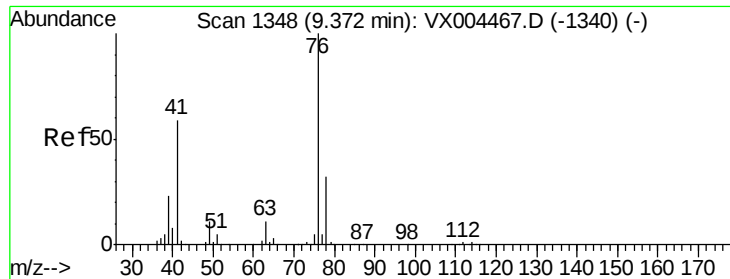
Delta R.T. 0.00 min

Lab File: VX004473.D

Acq: 11 Sep 2018 18:47

Tgt Ion:	69	Resp:	86284
Ion	Ratio	Lower	Upper
69	100		
41	67.3	51.0	76.4
39	31.5	26.1	39.1





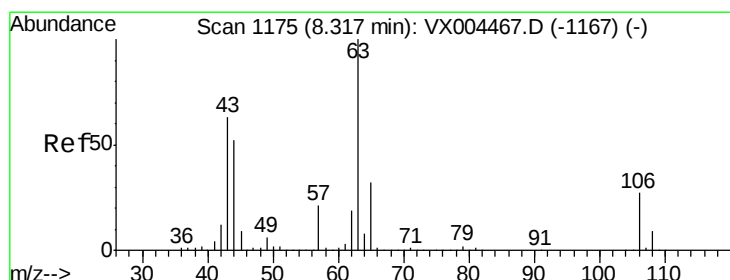
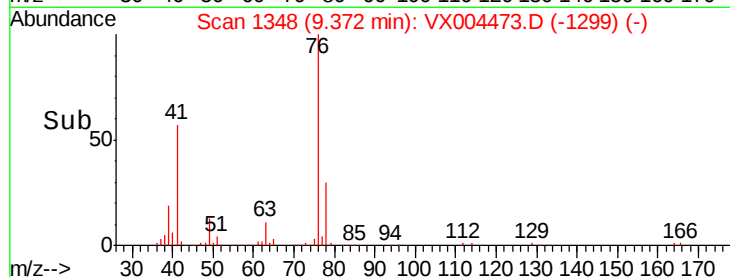
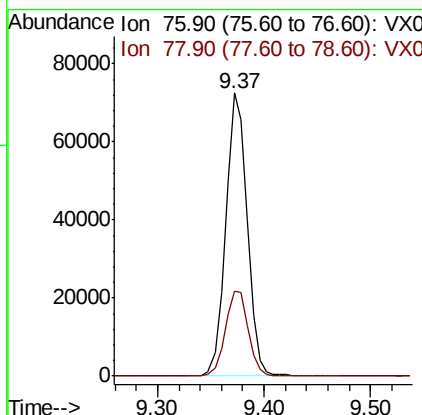
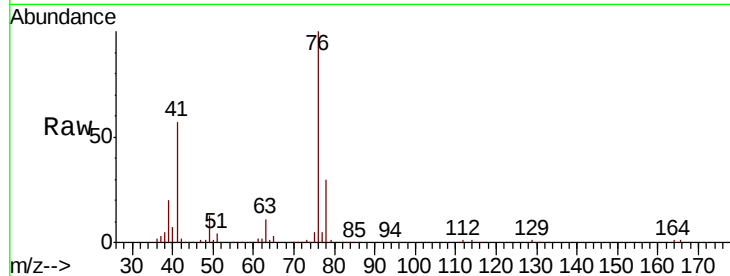
#57
 1,3-Dichloropropane
 Concen: 19.42 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX004473.D
 Acq: 11 Sep 2018 18:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0911WBSD01

Tot Ion: 76 Resp: 102285
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.5 38.3

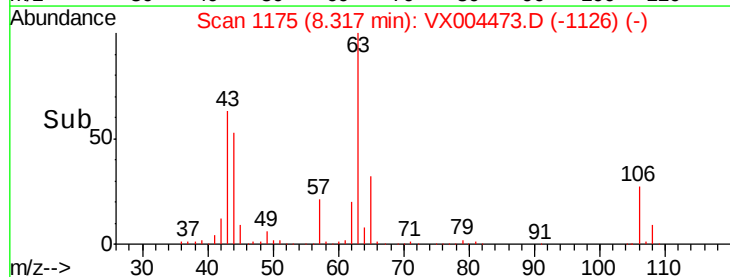
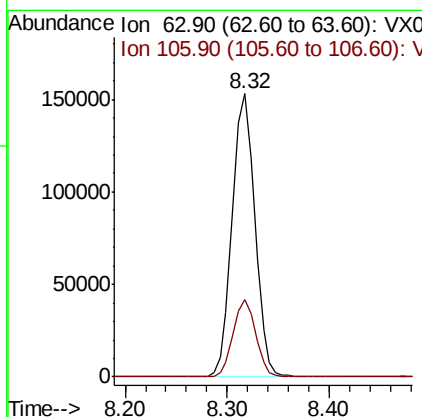
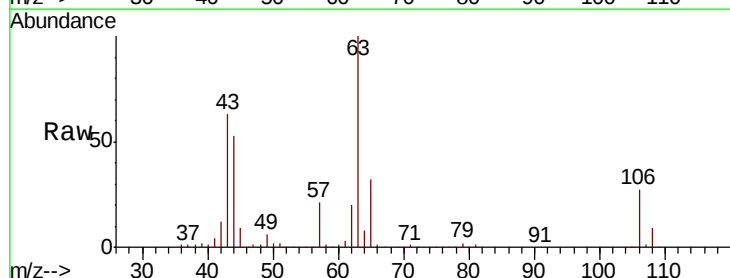
Manual Integrations
 APPROVED

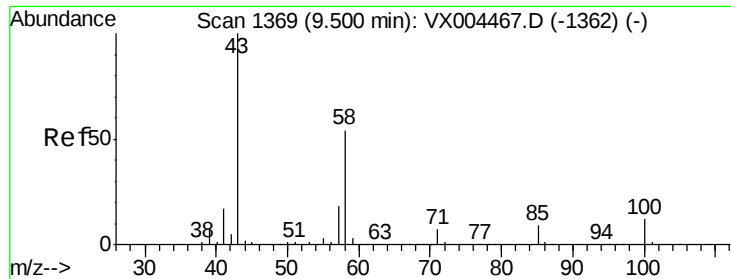
MMDadoda
 9/12/2018 11:26:47 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 105.37 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VX004473.D
 Acq: 11 Sep 2018 18:47

Tgt Ion: 63 Resp: 236097
 Ion Ratio Lower Upper
 63 100
 106 27.1 23.9 35.9





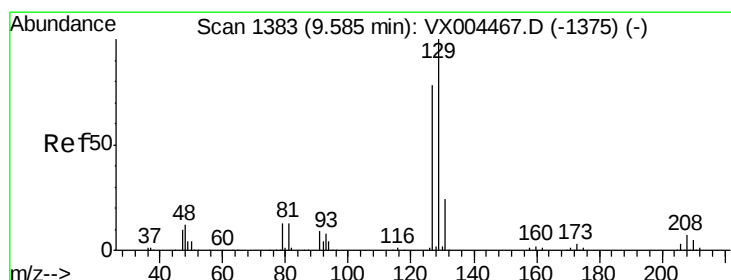
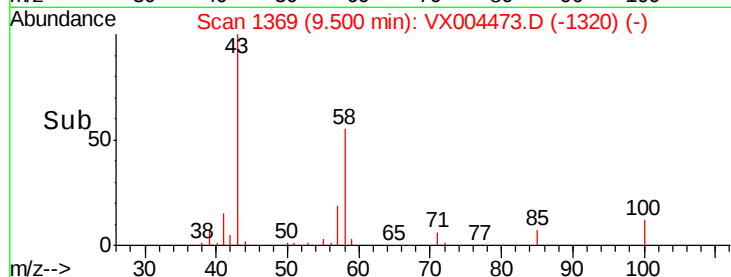
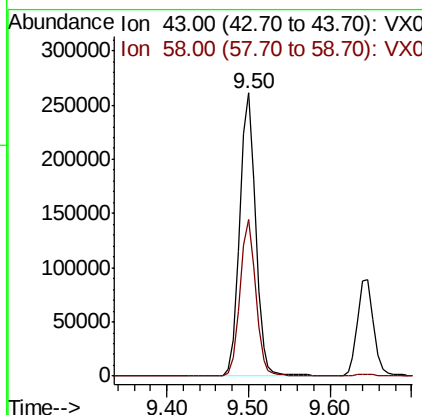
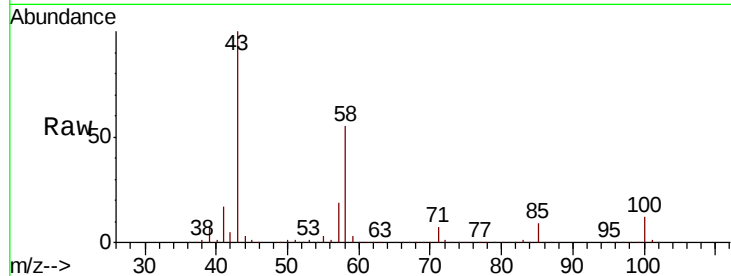
#59
2-Hexanone
Concen: 99.05 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VX004473.D
Acq: 11 Sep 2018 18:47

Instrument :
MSVOA_X
ClientSampleId :
VX0911WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.8	29.0	87.0

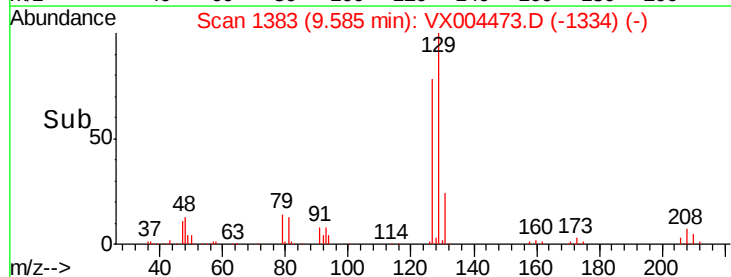
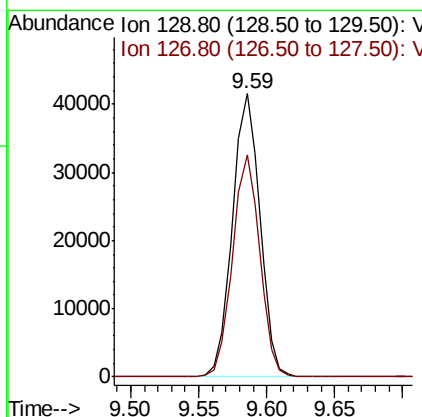
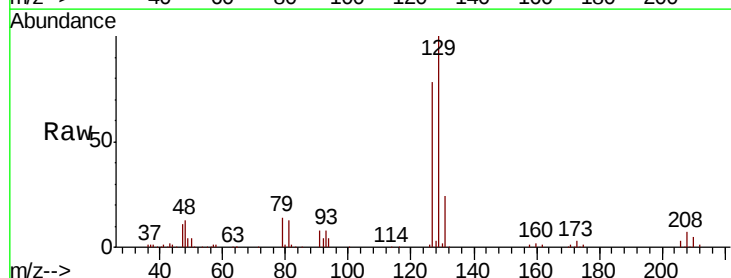
Manual Integrations
APPROVED

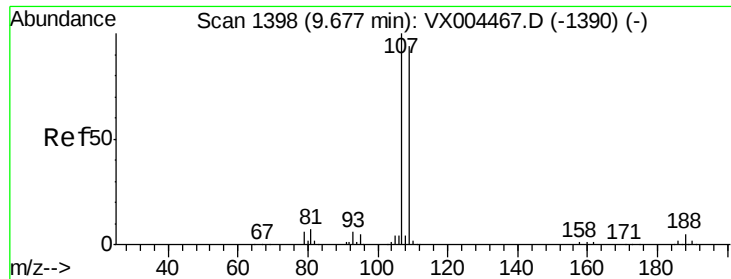
MMDadoda
9/12/2018 11:26:47 AM



#60
Dibromochloromethane
Concen: 19.22 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX004473.D
Acq: 11 Sep 2018 18:47

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.5	115.5





#61

1,2-Dibromoethane

Concen: 20.10 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. 0.00 min

Lab File: VX004473.D

Acq: 11 Sep 2018 18:47

Instrument :

MSVOA_X

ClientSampleId :

VX0911WBSD01

Tot Ion:107 Resp: 62262

Ion Ratio Lower Upper

107 100

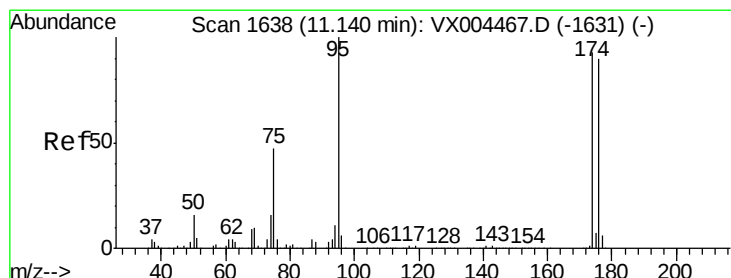
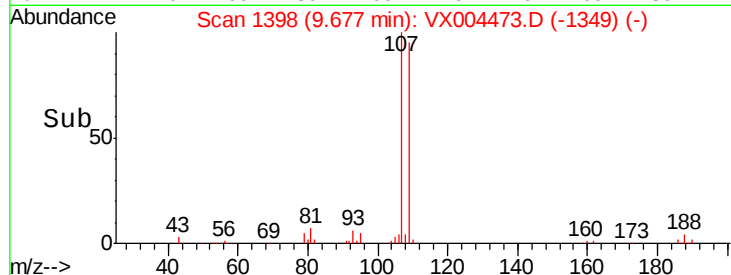
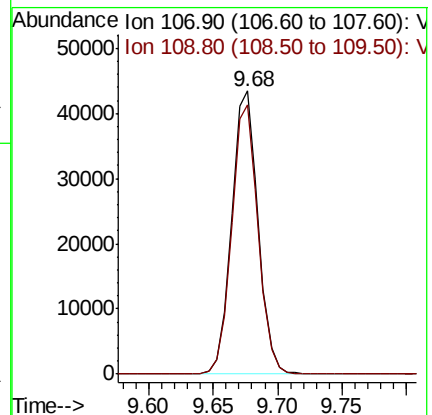
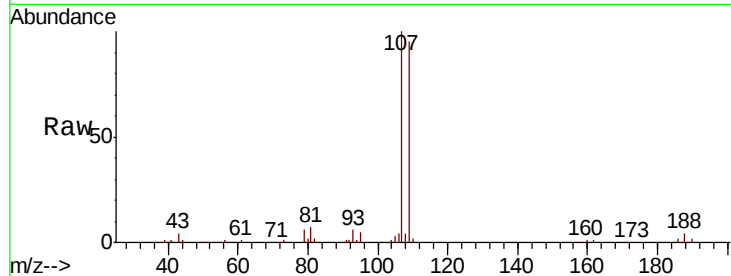
109 95.2 76.0 114.0

Manual Integrations

APPROVED

MMDadoda

9/12/2018 11:26:47 AM



#62

4-Bromofluorobenzene

Concen: 50.74 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX004473.D

Acq: 11 Sep 2018 18:47

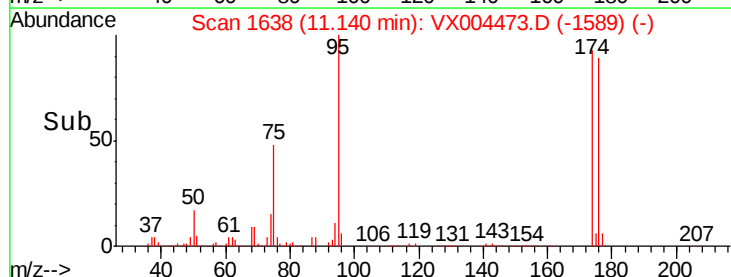
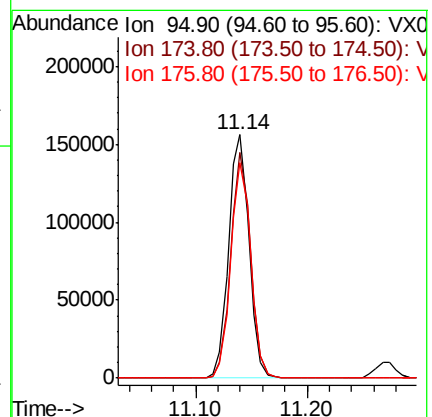
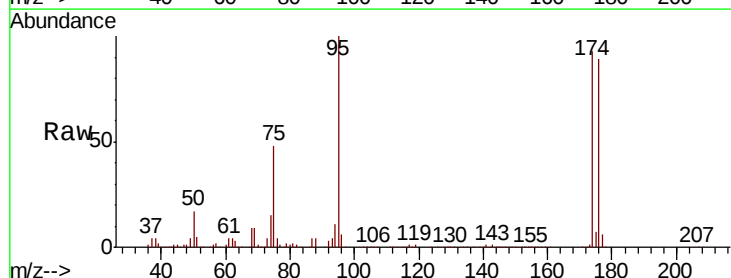
Tgt Ion: 95 Resp: 197195

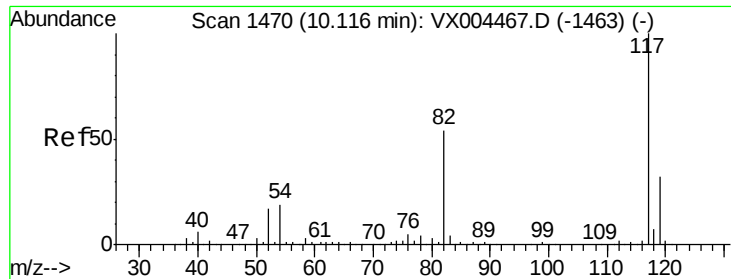
Ion Ratio Lower Upper

95 100

174 90.2 0.0 185.2

176 87.5 0.0 178.6





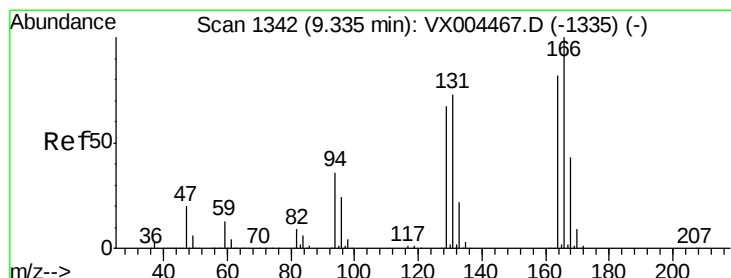
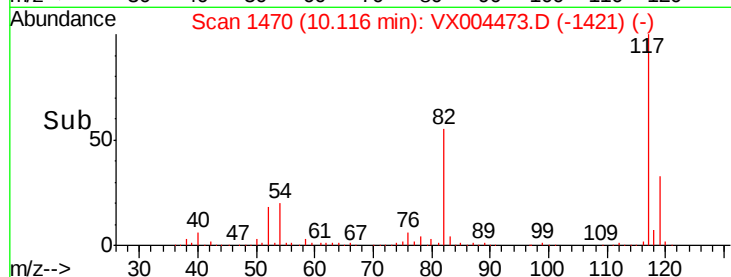
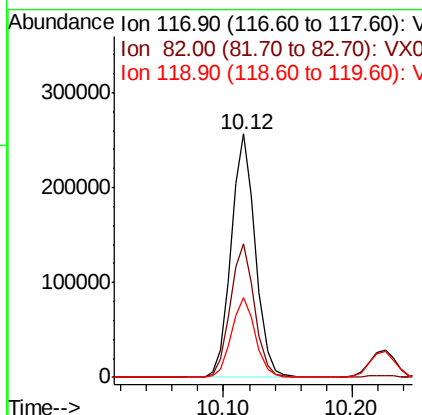
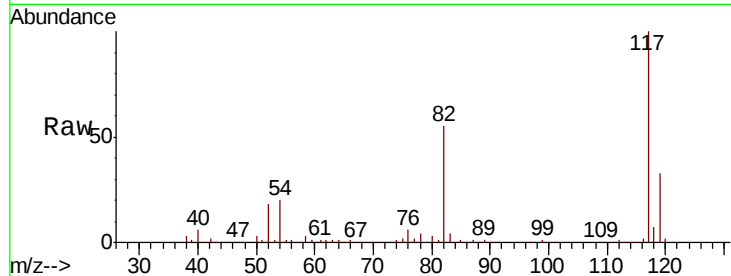
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004473.D
Acq: 11 Sep 2018 18:47

Instrument :
MSVOA_X
ClientSampleId :
VX0911WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.8	47.8	71.6
119	32.5	29.3	43.9

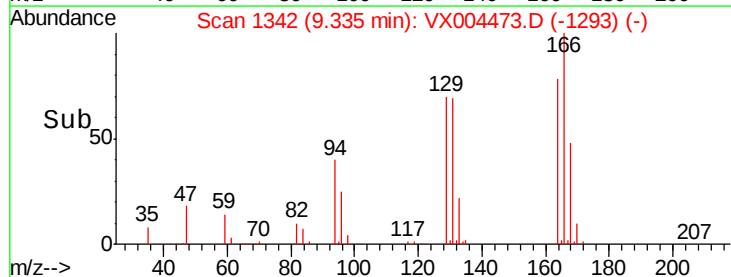
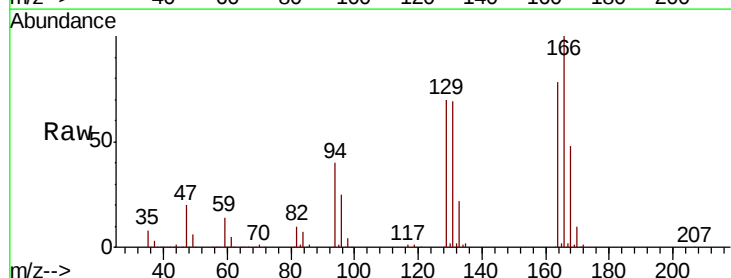
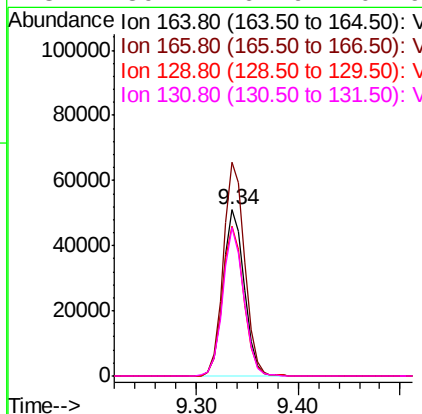
Manual Integrations
APPROVED

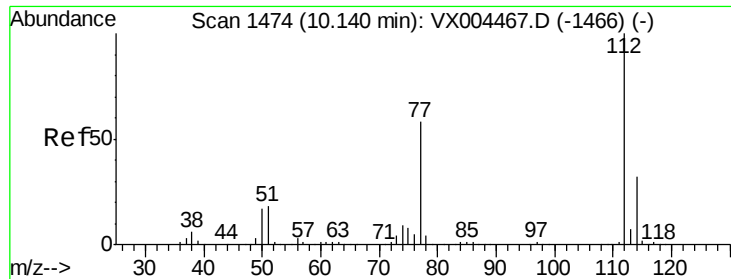
MMDadoda
9/12/2018 11:26:47 AM



#64
Tetrachloroethene
Concen: 17.53 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX004473.D
Acq: 11 Sep 2018 18:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.8	102.8	154.2
129	90.2	69.4	104.0
131	89.2	67.9	101.9





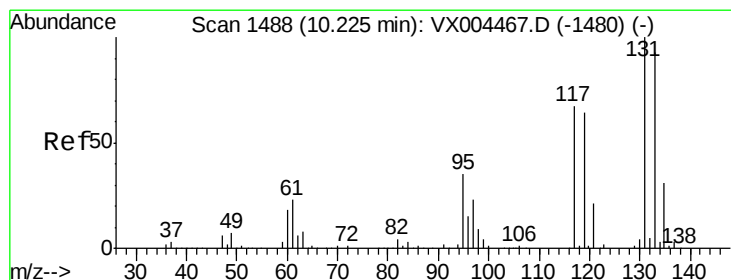
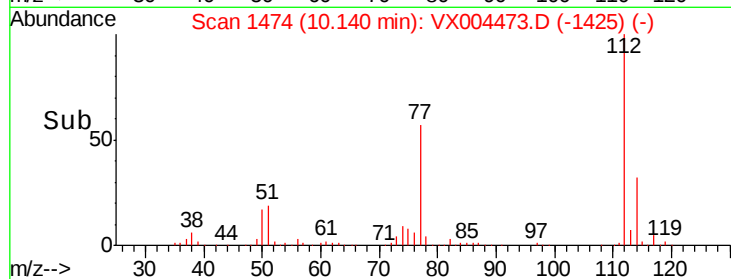
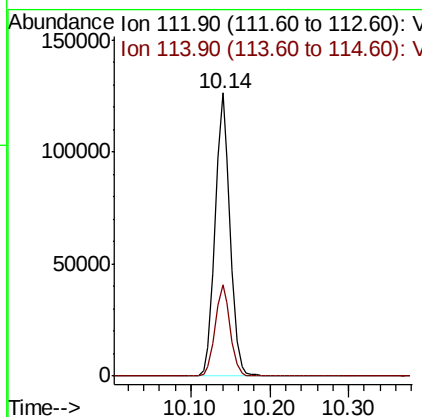
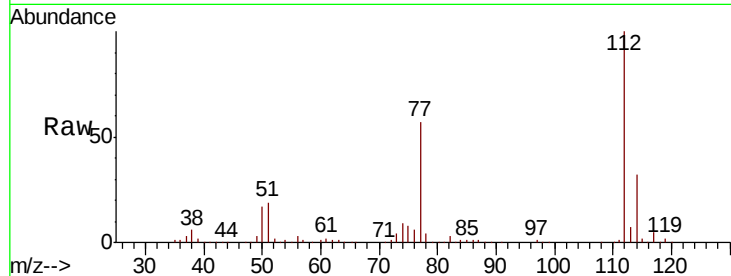
#65
Chlorobenzene
Concen: 19.95 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX004473.D
Acq: 11 Sep 2018 18:47

Instrument :
MSVOA_X
ClientSampleId :
VX0911WBSD01

Tot Ion:112 Resp: 166627
Ion Ratio Lower Upper
112 100
114 32.4 27.8 41.8

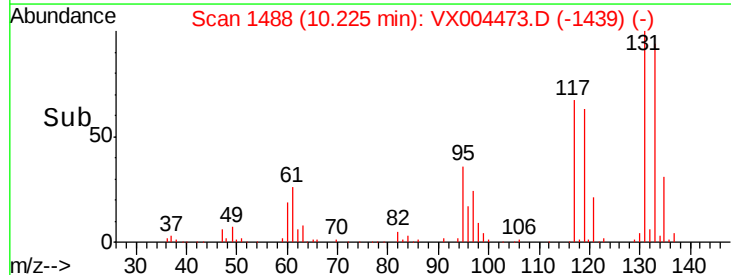
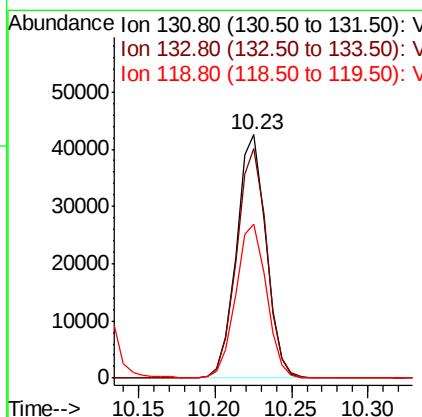
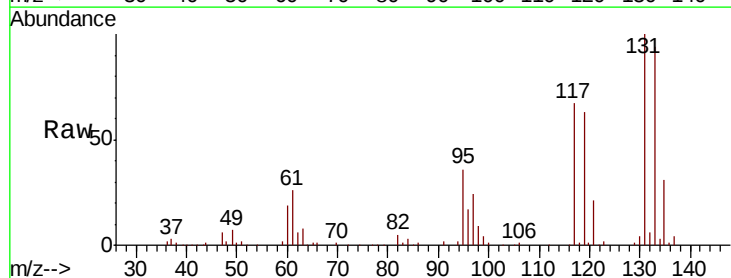
Manual Integrations
APPROVED

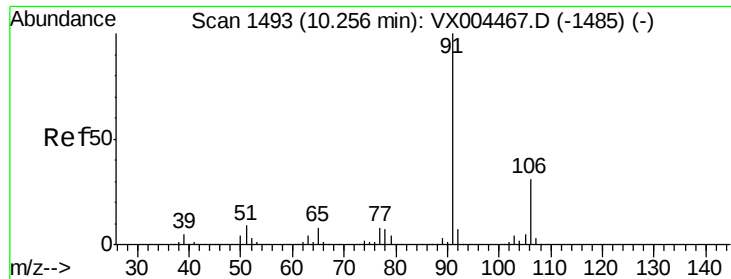
MMDadoda
9/12/2018 11:26:47 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.81 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VX004473.D
Acq: 11 Sep 2018 18:47

Tgt Ion:131 Resp: 57039
Ion Ratio Lower Upper
131 100
133 96.0 48.1 144.4
119 65.9 32.9 98.6





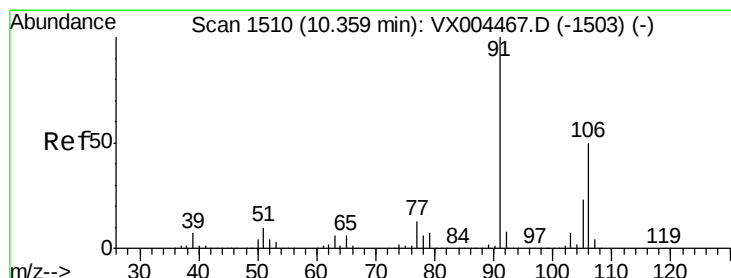
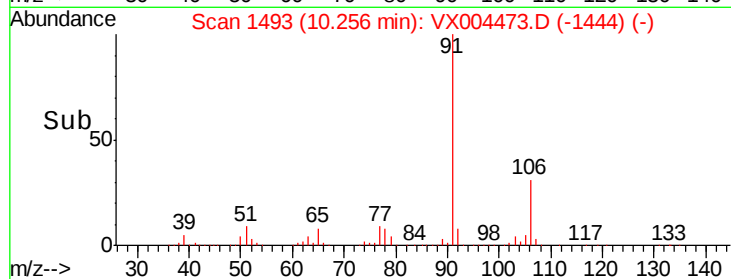
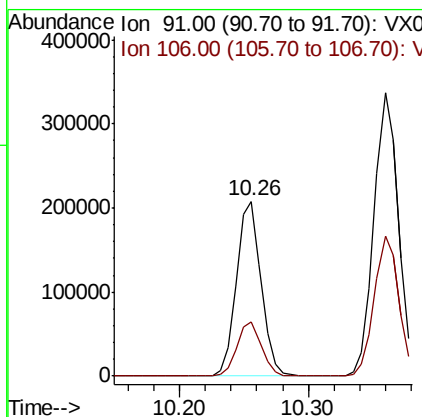
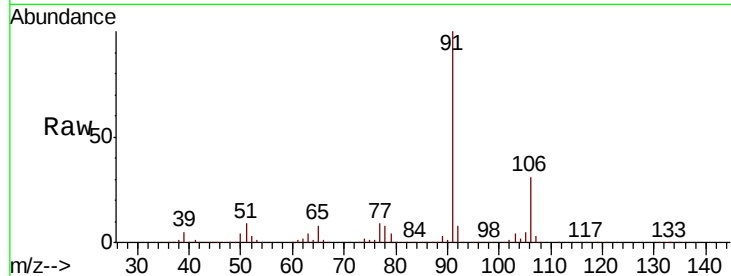
#67
Ethyl Benzene
Concen: 20.34 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VX004473.D
Acq: 11 Sep 2018 18:47

Instrument :
MSVOA_X
ClientSampled :
VX0911WBSD01

Tot Ion: 91 Resp: 276222
Ion Ratio Lower Upper
91 100
106 31.0 25.9 38.9

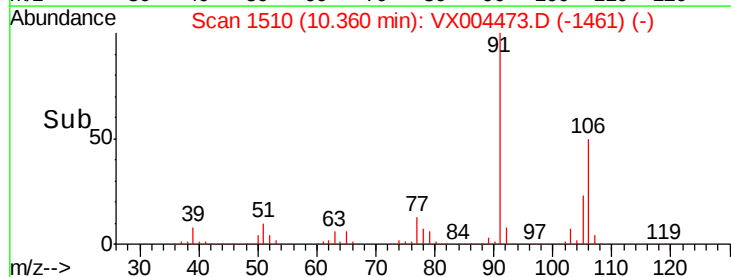
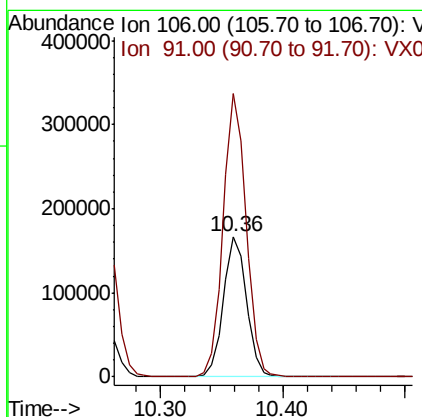
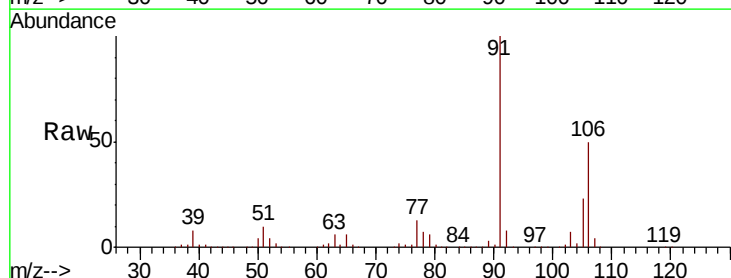
Manual Integrations
APPROVED

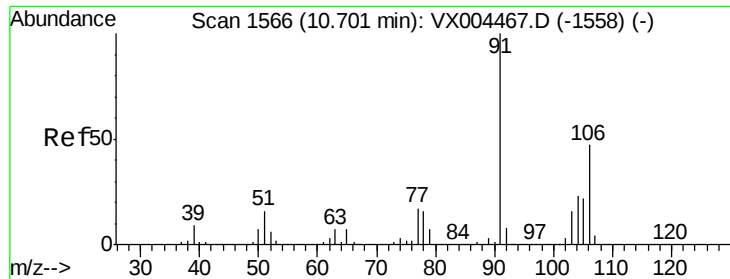
MMDadoda
9/12/2018 11:26:47 AM



#68
m/p-Xylenes
Concen: 41.71 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX004473.D
Acq: 11 Sep 2018 18:47

Tgt Ion: 106 Resp: 218160
Ion Ratio Lower Upper
106 100
91 201.7 157.1 235.7





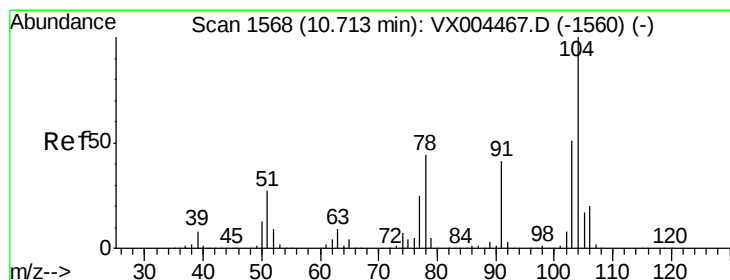
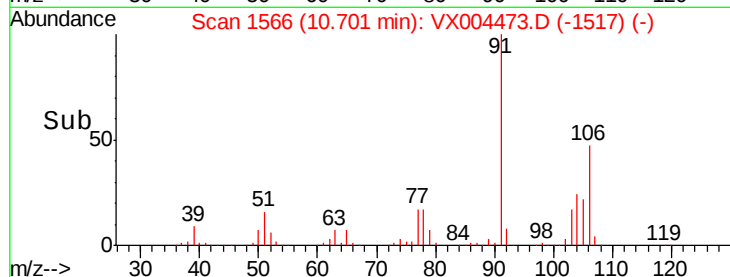
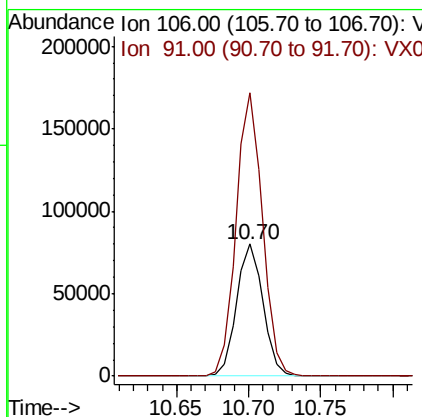
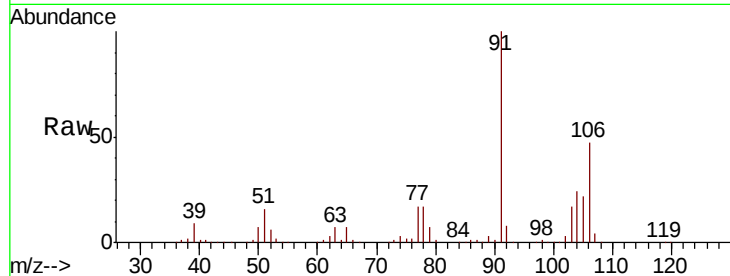
#69
o-Xylene
Concen: 20.52 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX004473.D
Acq: 11 Sep 2018 18:47

Instrument :
MSVOA_X
ClientSampleId :
VX0911WBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	213.2	105.1	315.1

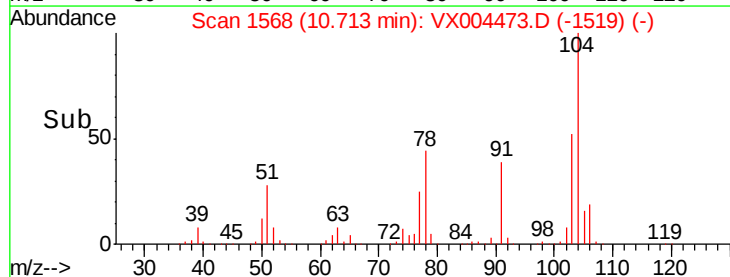
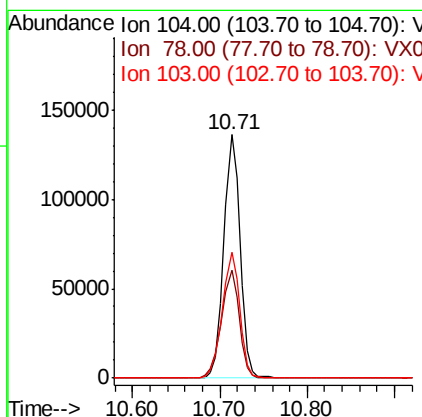
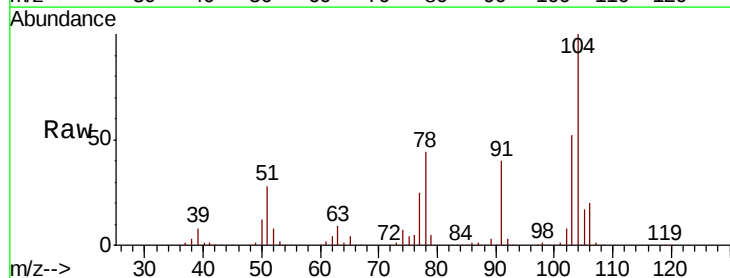
Manual Integrations
APPROVED

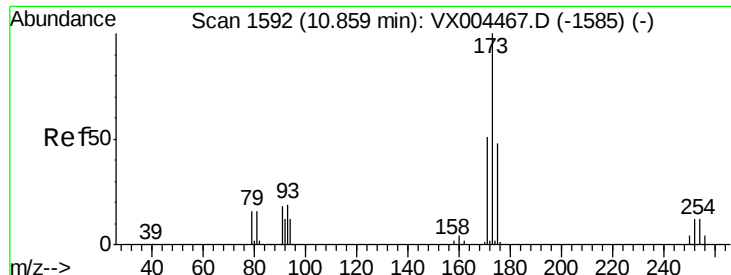
MMDadoda
9/12/2018 11:26:47 AM



#70
Styrene
Concen: 20.99 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX004473.D
Acq: 11 Sep 2018 18:47

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.5	37.4	56.0
103	55.4	43.8	65.6





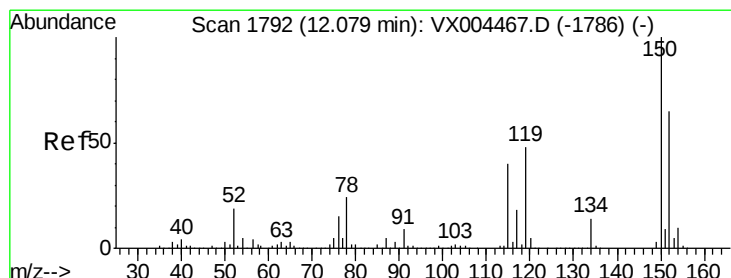
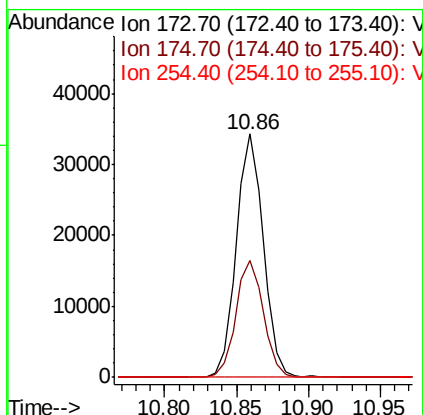
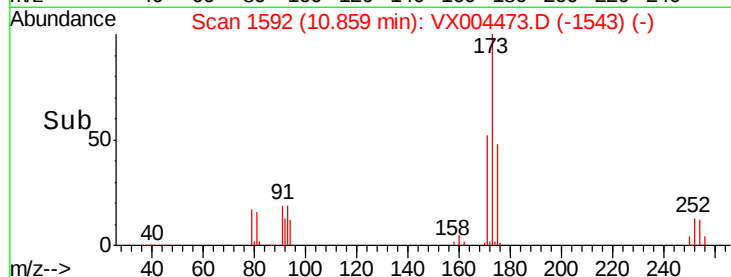
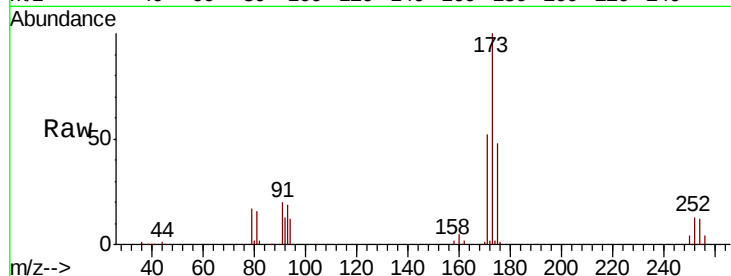
#71
Bromoform
Concen: 18.98 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX004473.D
Acq: 11 Sep 2018 18:47

Instrument :
MSVOA_X
ClientSampleId :
VX0911WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.1	72.3
254	0.2	0.2	0.2

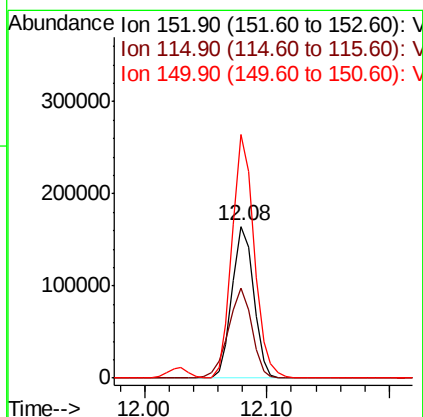
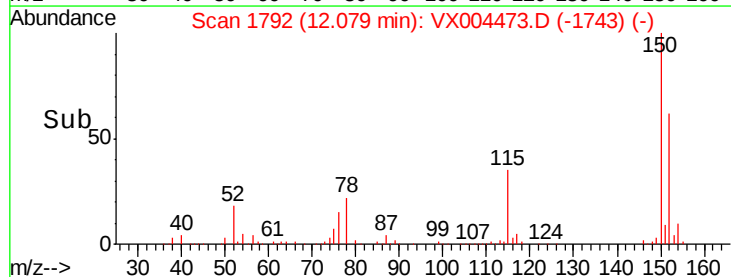
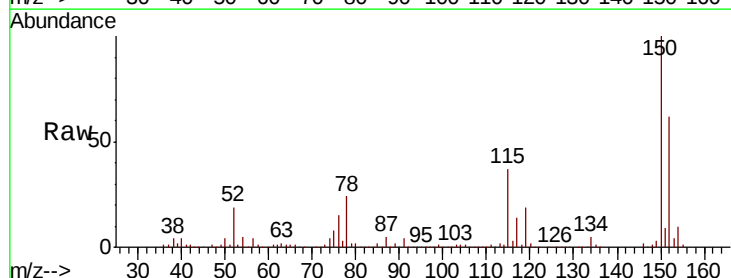
Manual Integrations
APPROVED

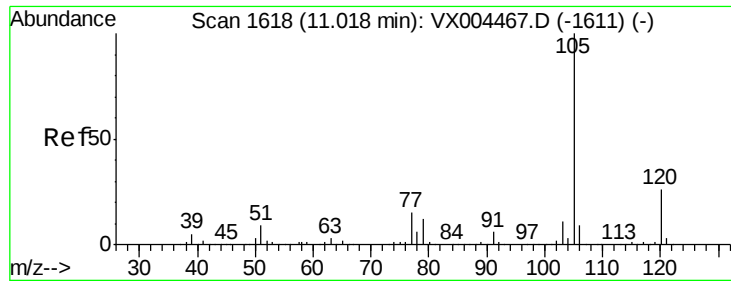
MMDadoda
9/12/2018 11:26:47 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX004473.D
Acq: 11 Sep 2018 18:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.1	39.0	117.0
150	165.2	0.0	351.0





#73

Isopropylbenzene

Concen: 21.48 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX004473.D

Acq: 11 Sep 2018 18:47

Instrument :

MSVOA_X

ClientSampleId :

VX0911WBSD01

Tot Ion: 105 Resp: 282144

Ion Ratio Lower Upper

105 100

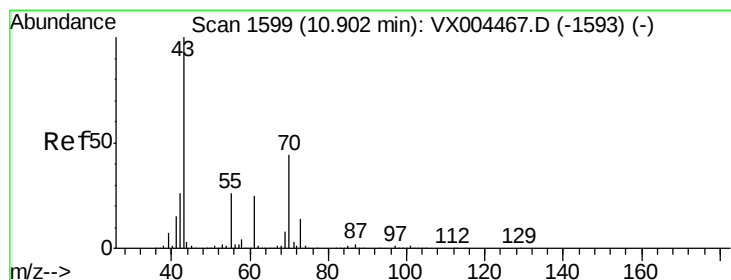
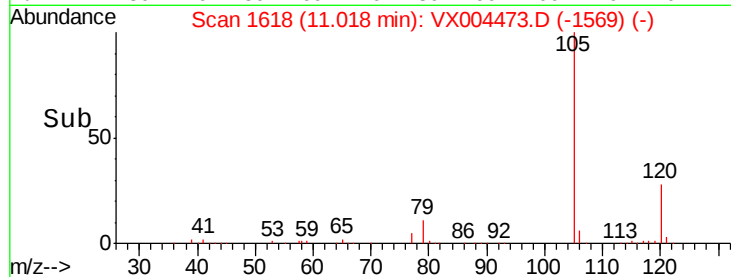
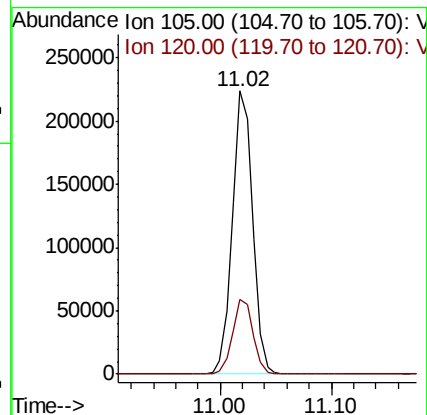
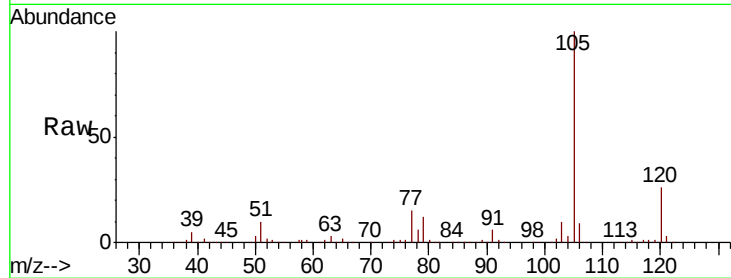
120 26.7 13.5 40.4

Manual Integrations

APPROVED

MMDadoda

9/12/2018 11:26:47 AM



#74

N-ethyl acetate

Concen: 21.03 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX004473.D

Acq: 11 Sep 2018 18:47

Tgt Ion: 43 Resp: 116304

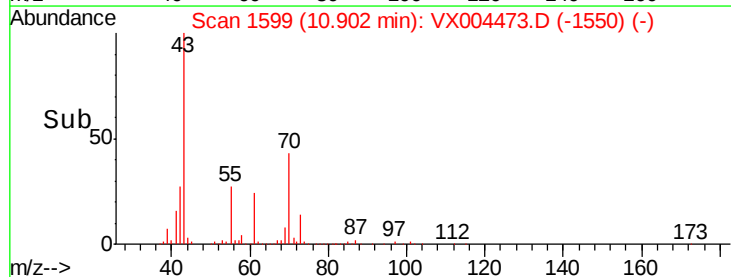
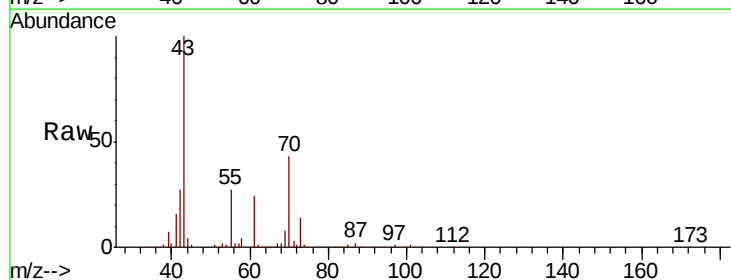
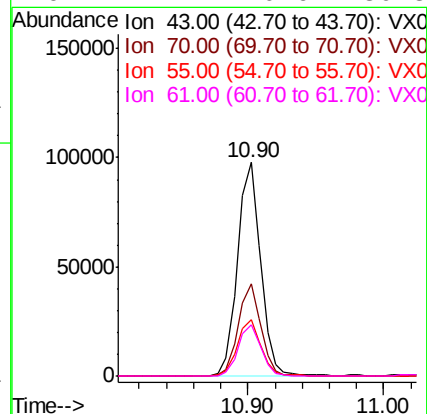
Ion Ratio Lower Upper

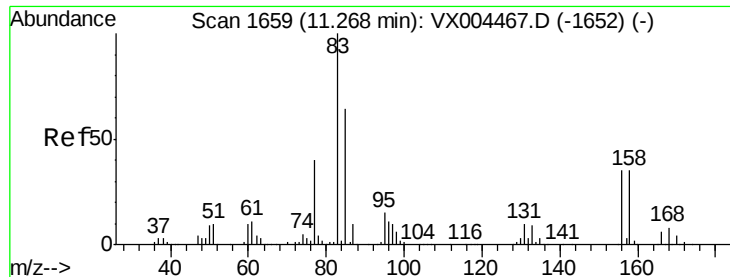
43 100

70 42.7 37.4 56.0

55 27.0 21.8 32.8

61 24.1 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.94 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX004473.D

Acq: 11 Sep 2018 18:47

Instrument :

MSVOA_X

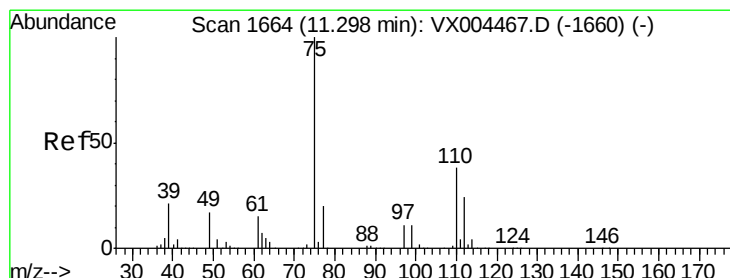
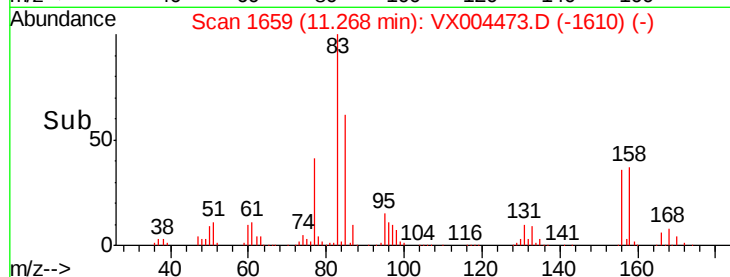
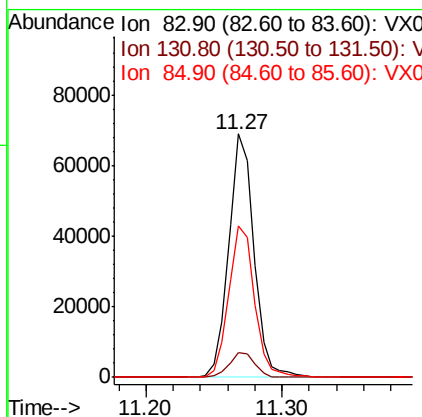
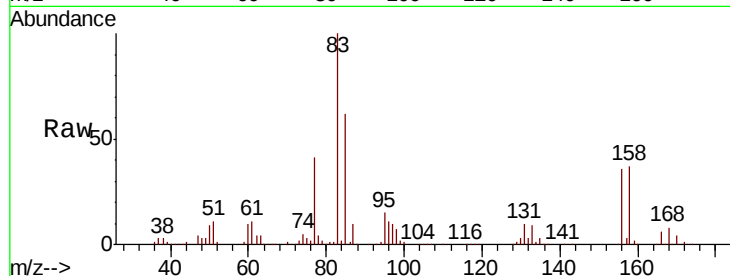
ClientSampleId :

VX0911WBSD01

Tot Ion:	83	Resp:	88750
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.2	15.6
85	64.0	32.3	96.8

Manual Integrations
APPROVED

MMDadoda
9/12/2018 11:26:47 AM



#76

1,2,3-Trichloropropane

Concen: 21.50 ug/l m

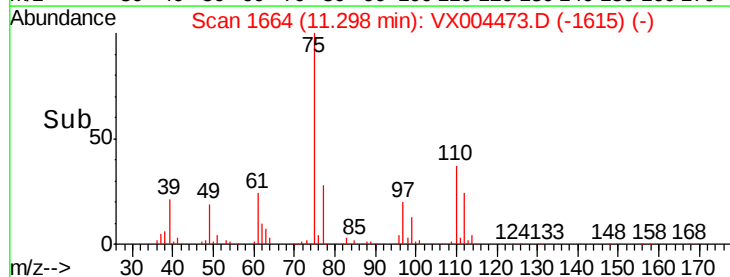
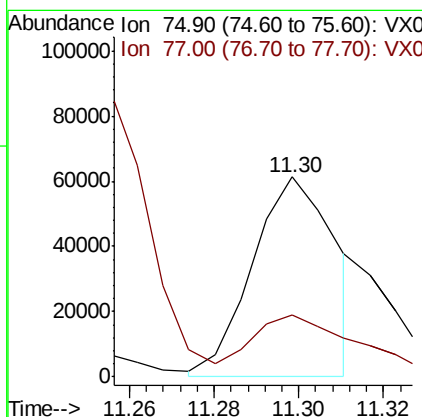
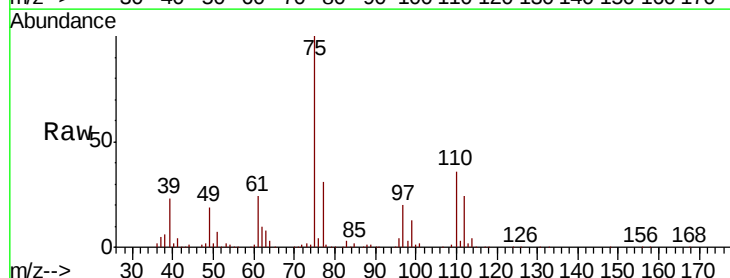
RT: 11.30 min Scan# 1664

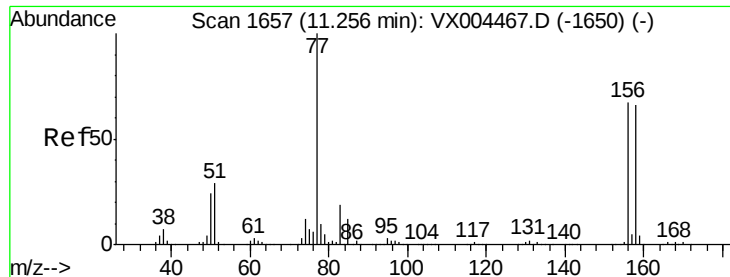
Delta R.T. 0.00 min

Lab File: VX004473.D

Acq: 11 Sep 2018 18:47

Tgt Ion:	75	Resp:	83788
Ion Ratio	Lower	Upper	
75	100		
77	40.0	20.2	60.6





#77

Bromobenzene

Concen: 20.57 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX004473.D

Acq: 11 Sep 2018 18:47

Instrument :

MSVOA_X

ClientSampleId :

VX0911WBSD01

Tot Ion:156 Resp: 74699

Ion Ratio Lower Upper

156 100

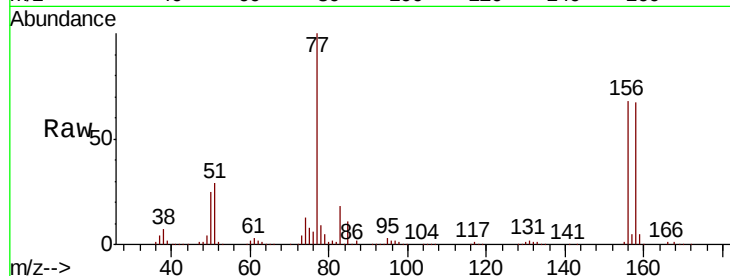
77 147.9 71.5 214.3

158 98.1 48.9 146.8

Manual Integrations
APPROVED

MMDadoda

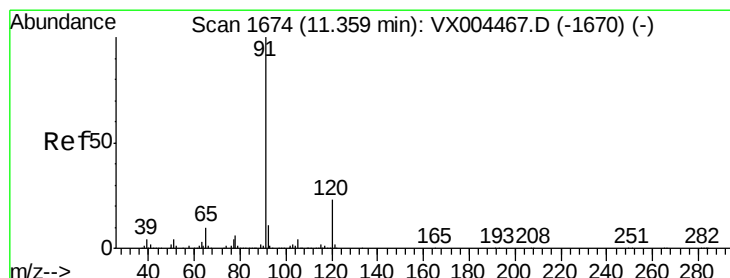
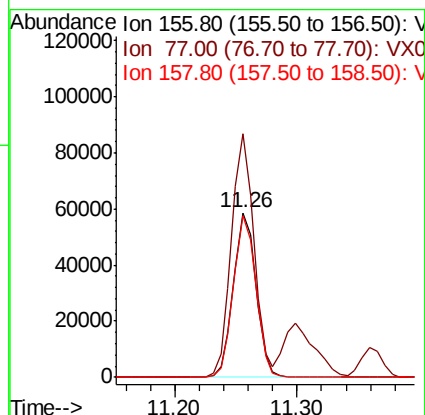
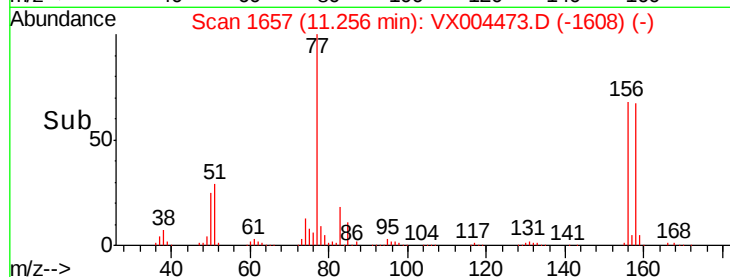
9/12/2018 11:26:47 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.45 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX004473.D

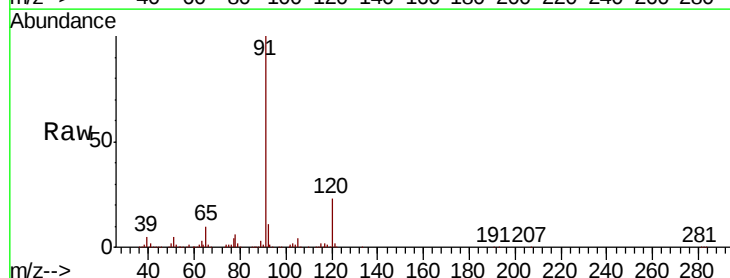
Acq: 11 Sep 2018 18:47

Tgt Ion: 91 Resp: 323992

Ion Ratio Lower Upper

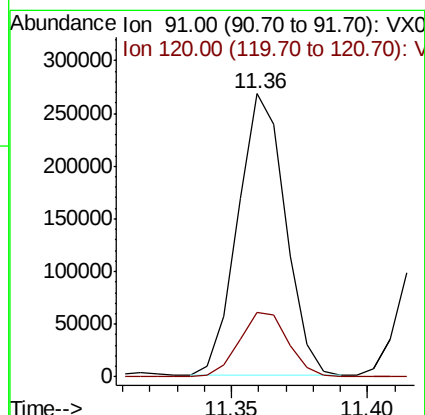
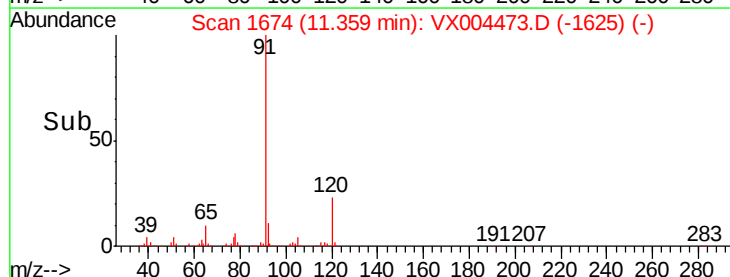
91 100

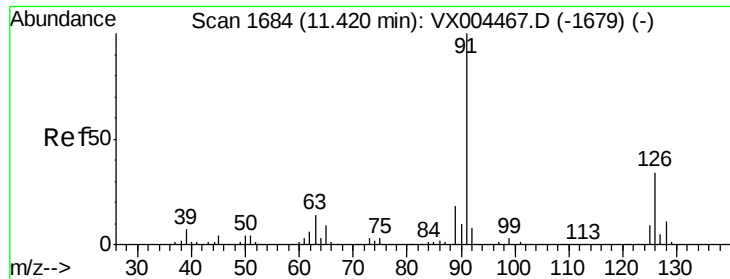
120 23.7 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.00 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX004473.D

Acq: 11 Sep 2018 18:47

Instrument :

MSVOA_X

ClientSampleId :

VX0911WBSD01

Tot Ion: 91 Resp: 192415

Ion Ratio Lower Upper

91 100

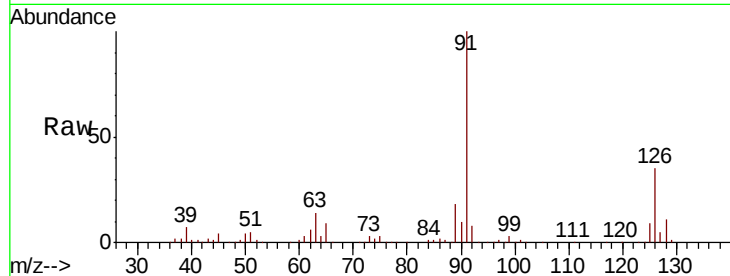
126 35.4 17.9 53.7

Manual Integrations

APPROVED

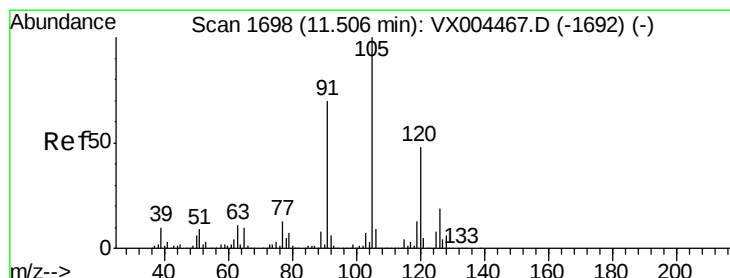
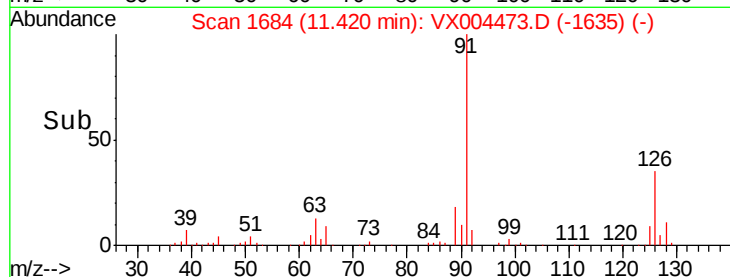
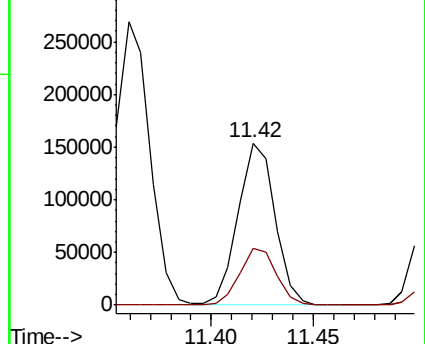
MMDadoda

9/12/2018 11:26:47 AM



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: 21.46 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX004473.D

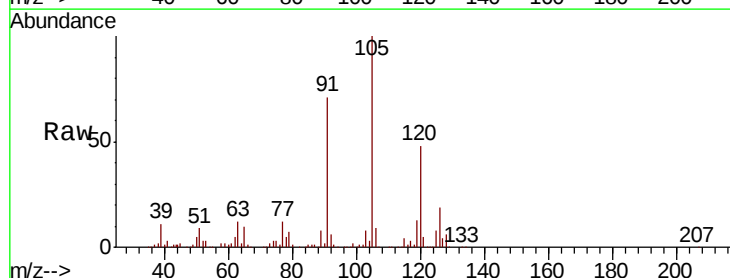
Acq: 11 Sep 2018 18:47

Tgt Ion:105 Resp: 236998

Ion Ratio Lower Upper

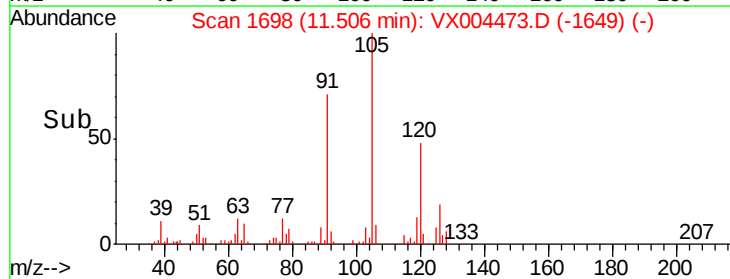
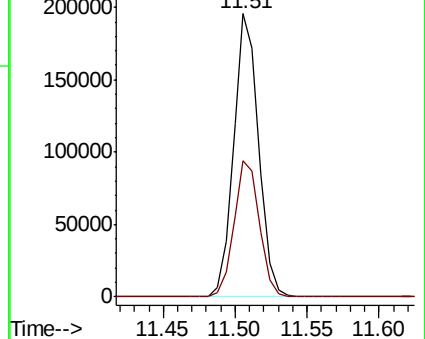
105 100

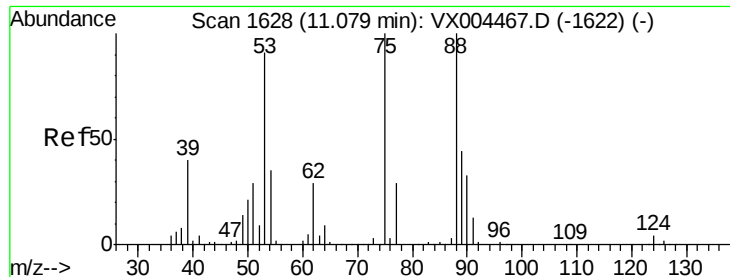
120 49.1 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





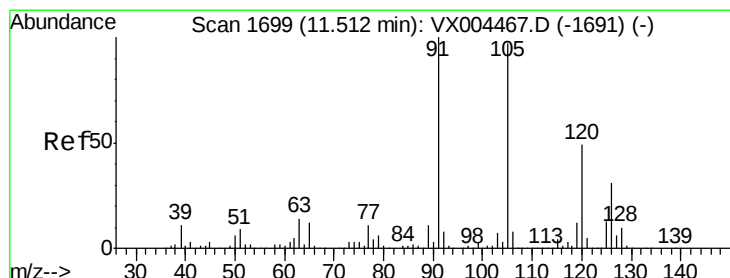
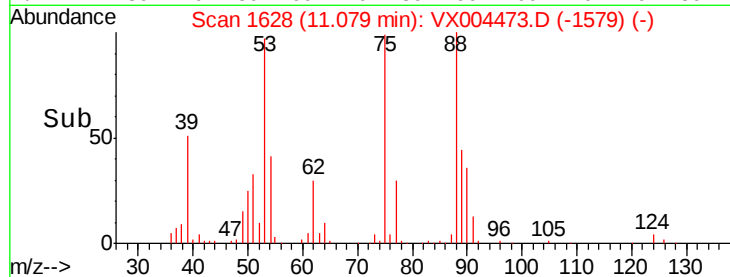
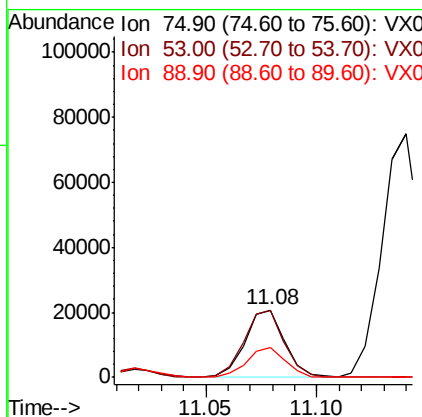
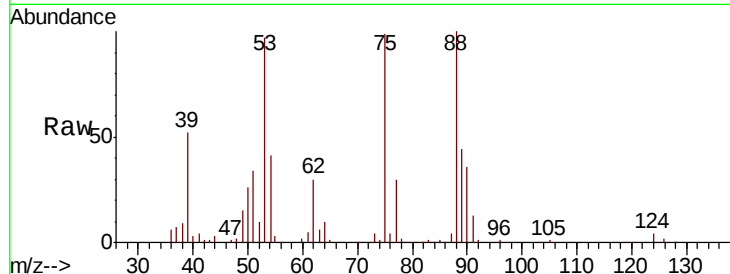
#81
trans-1,4-Dichloro-2-butene
Concen: 20.11 ug/l
RT: 11.08 min Scan# 1628
Delta R.T. 0.00 min
Lab File: VX004473.D
Acq: 11 Sep 2018 18:47

Instrument :
MSVOA_X
ClientSampleId :
VX0911WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.1	80.1	120.1
89	44.7	37.2	55.8

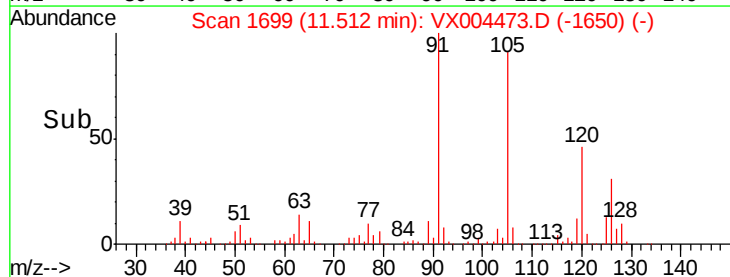
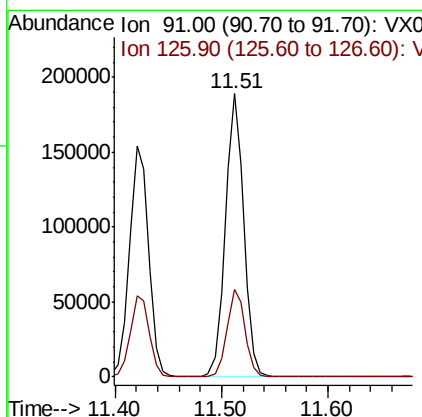
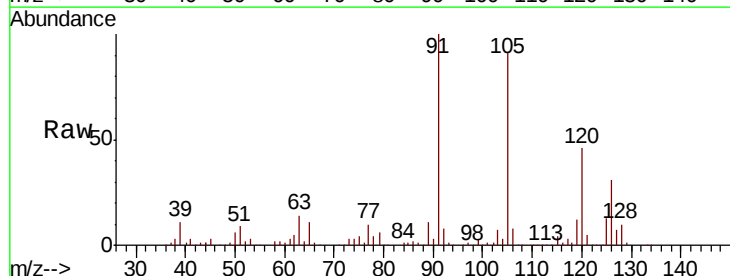
Manual Integrations
APPROVED

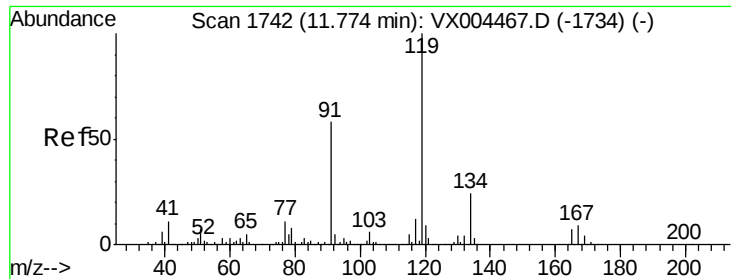
MMDadoda
9/12/2018 11:26:47 AM



#82
4-Chlorotoluene
Concen: 21.27 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX004473.D
Acq: 11 Sep 2018 18:47

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.8	15.5	46.5





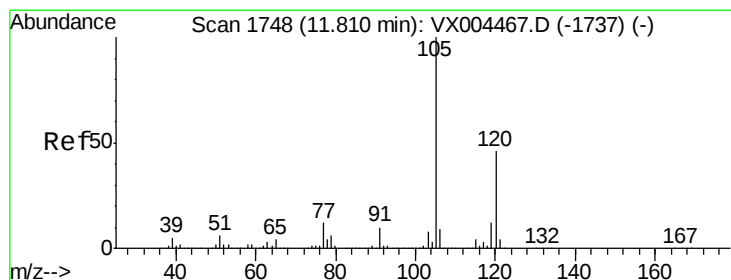
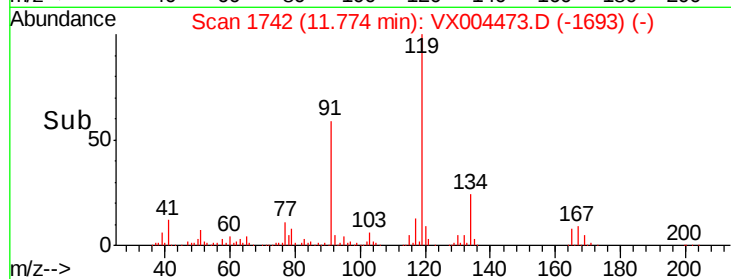
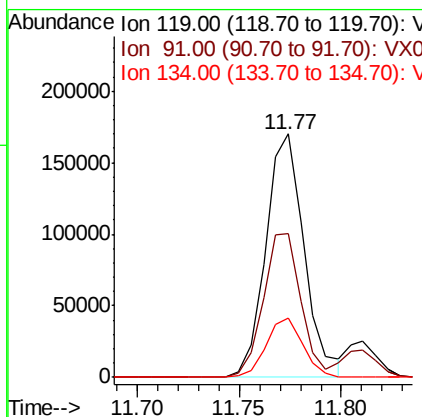
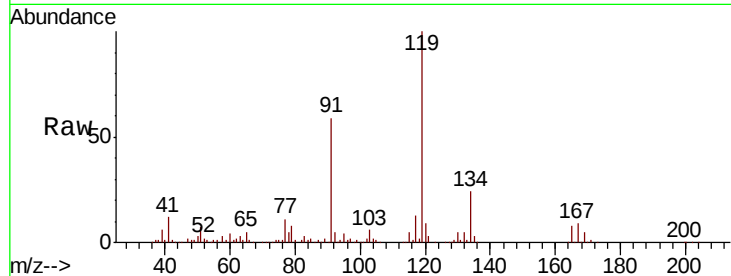
#83
tert-Butylbenzene
Concen: 21.20 ug/l
RT: 11.77 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX004473.D
Acq: 11 Sep 2018 18:47

Instrument :
MSVOA_X
ClientSampleId :
VX0911WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	222945		
91	57.8		27.0	81.0
134	23.4		11.7	35.1

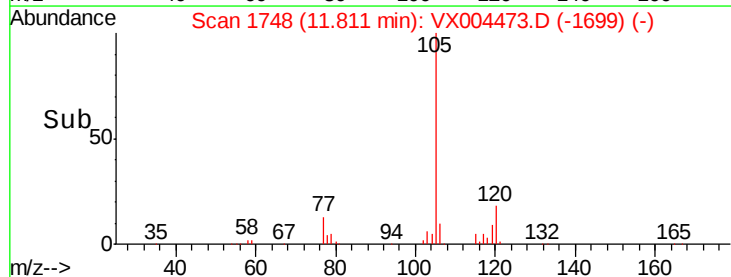
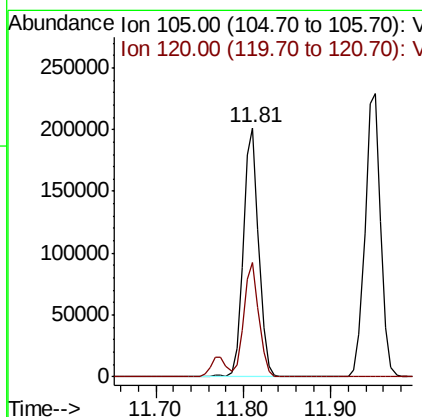
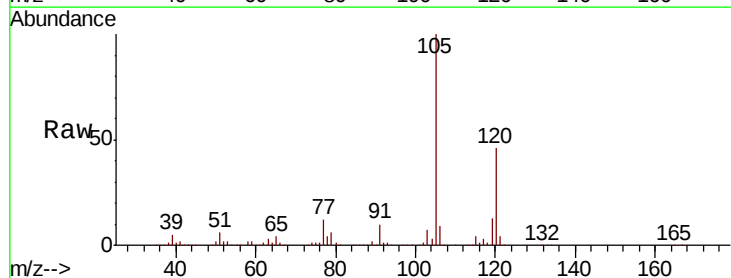
Manual Integrations
APPROVED

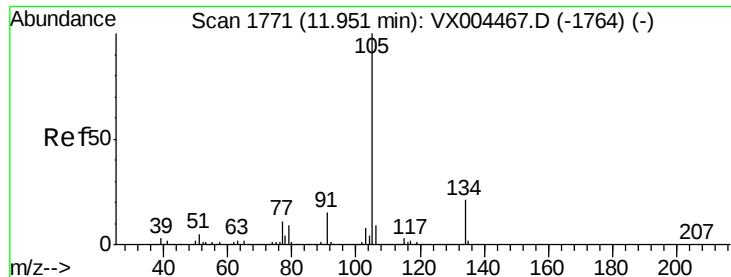
MMDadoda
9/12/2018 11:26:47 AM



#84
1,2,4-Trimethylbenzene
Concen: 21.83 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VX004473.D
Acq: 11 Sep 2018 18:47

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	246105		
120	44.9		23.2	69.6





#85

sec-Butylbenzene

Concen: 21.36 ug/l

RT: 11.95 min Scan# 1771

Delta R.T. 0.00 min

Lab File: VX004473.D

Acq: 11 Sep 2018 18:47

Instrument :

MSVOA_X

ClientSampleId :

VX0911WBSD01

Tot Ion:105 Resp: 286161

Ion Ratio Lower Upper

105 100

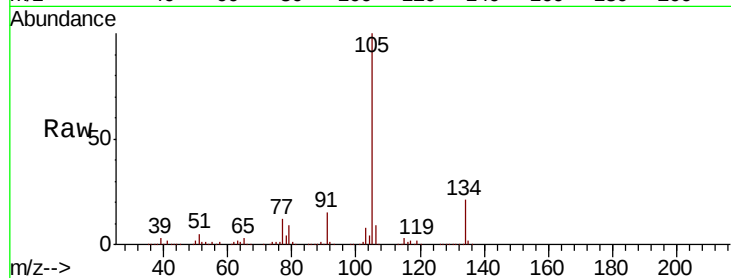
134 20.5 10.5 31.5

Manual Integrations

APPROVED

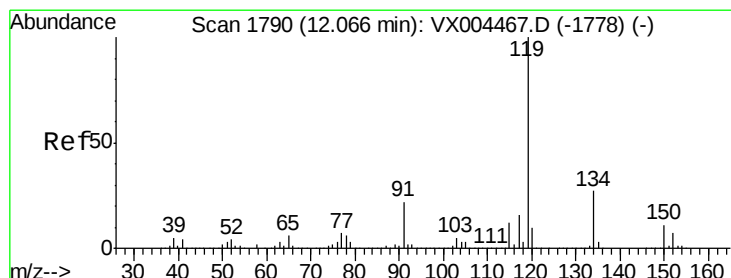
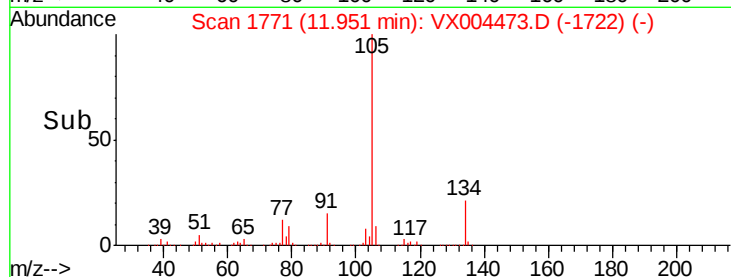
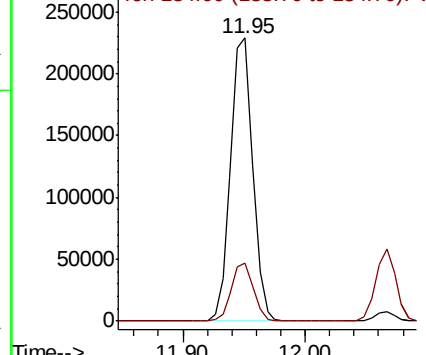
MMDadoda

9/12/2018 11:26:47 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.52 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX004473.D

Acq: 11 Sep 2018 18:47

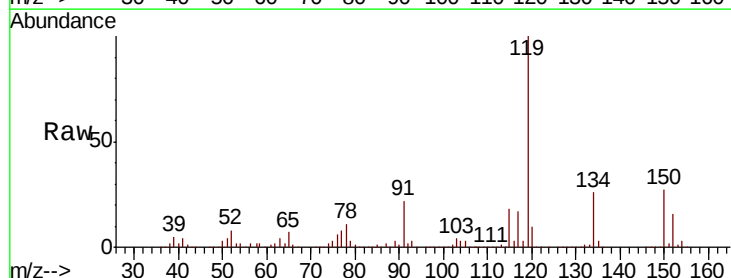
Tgt Ion:119 Resp: 254657

Ion Ratio Lower Upper

119 100

134 26.3 13.4 40.2

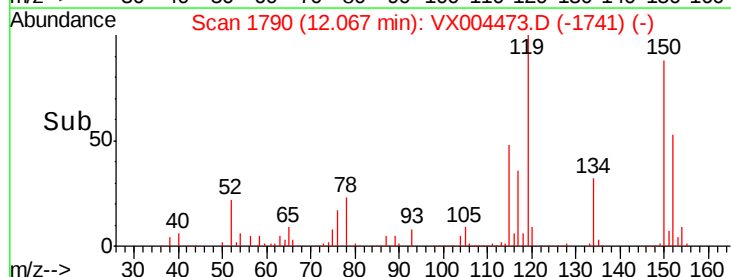
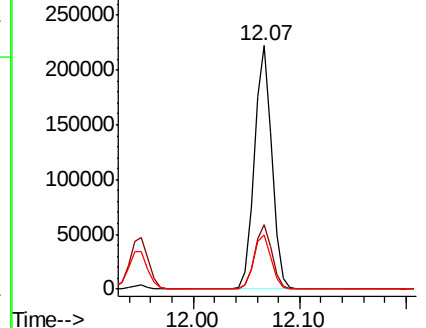
91 22.8 10.9 32.7

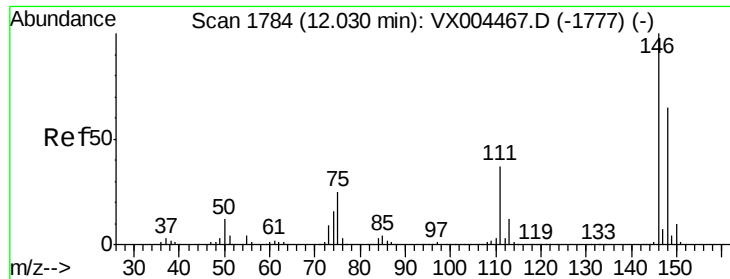


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





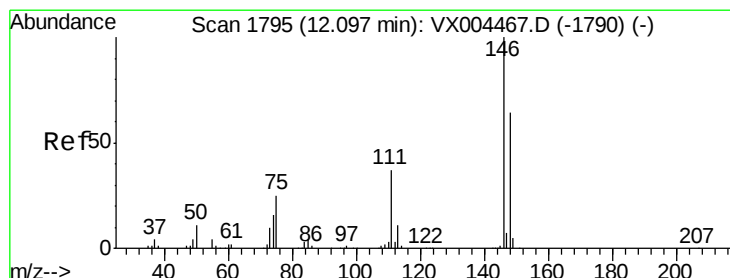
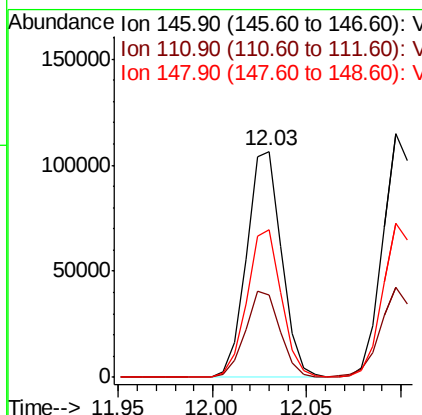
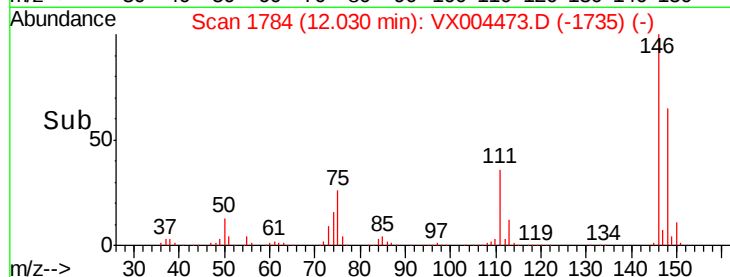
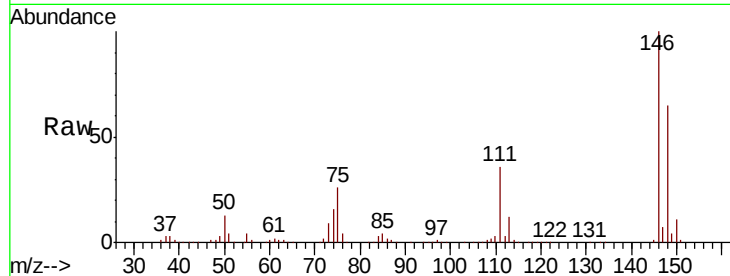
#87
 1,3-Dichlorobenzene
 Concen: 20.23 ug/l
 RT: 12.03 min Scan# 1784
 Delta R.T. 0.00 min
 Lab File: VX004473.D
 Acq: 11 Sep 2018 18:47

Instrument :
 MSVOA_X
 ClientSampled :
 VX0911WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.7	56.1
148	64.3	32.1	96.5

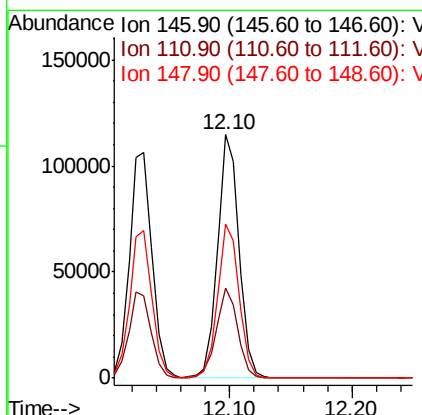
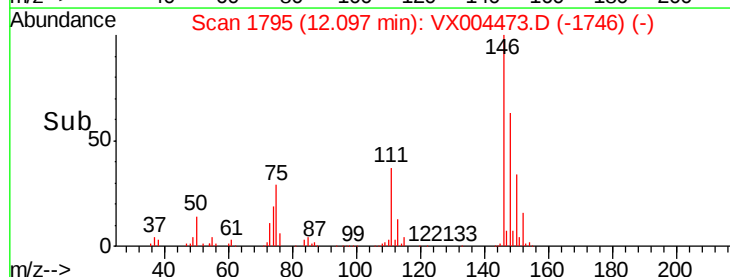
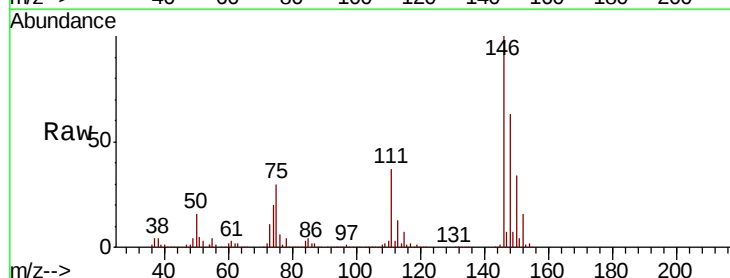
Manual Integrations
 APPROVED

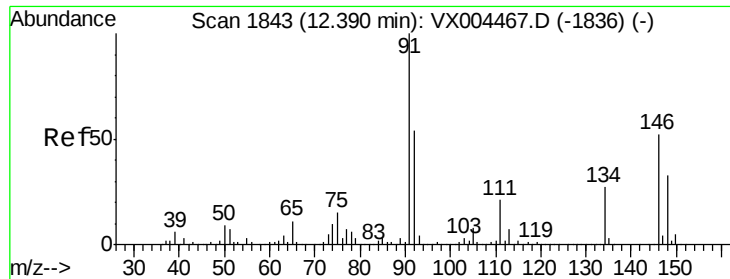
MMDadoda
 9/12/2018 11:26:47 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.03 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX004473.D
 Acq: 11 Sep 2018 18:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.1	54.1
148	63.7	32.0	96.0





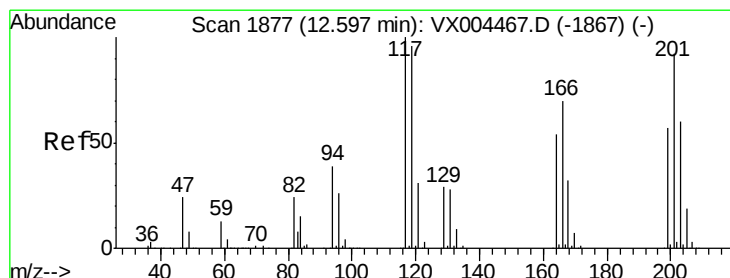
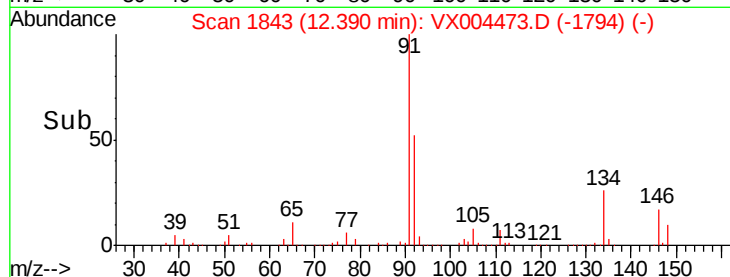
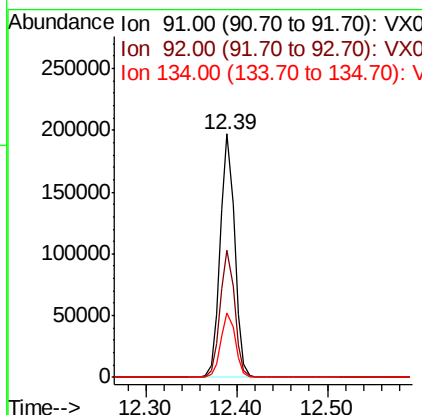
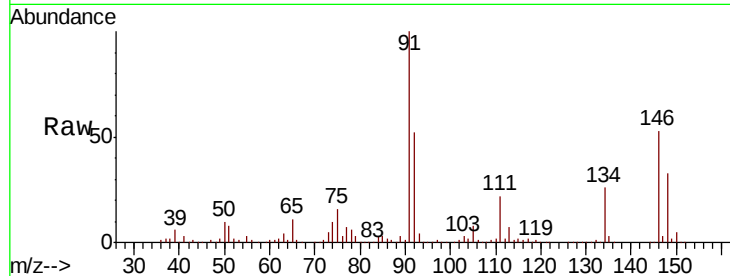
#89
n-Butylbenzene
Concen: 20.46 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX004473.D
Acq: 11 Sep 2018 18:47

Instrument :
MSVOA_X
ClientSampleId :
VX0911WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	27.3	81.9
134	26.4	13.6	40.7

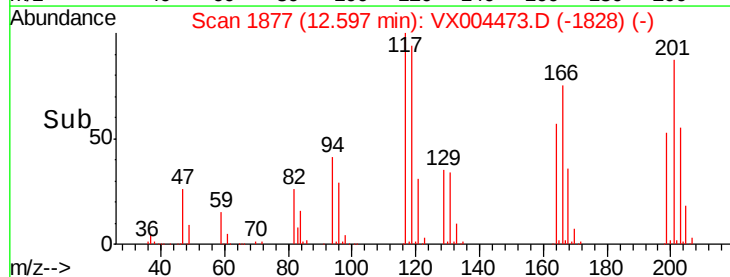
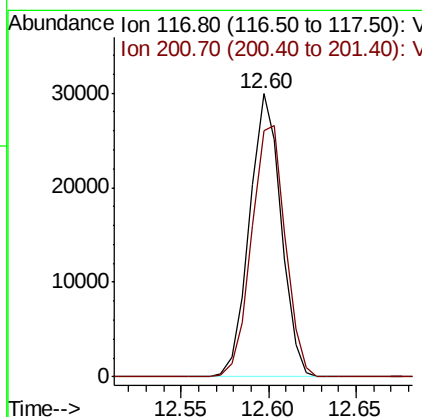
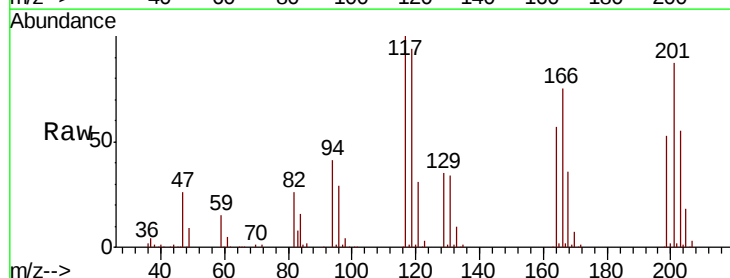
Manual Integrations
APPROVED

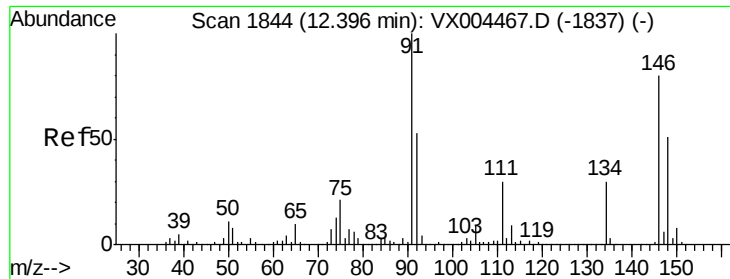
MMDadoda
9/12/2018 11:26:47 AM



#90
Hexachloroethane
Concen: 19.80 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX004473.D
Acq: 11 Sep 2018 18:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.8	46.9	140.6





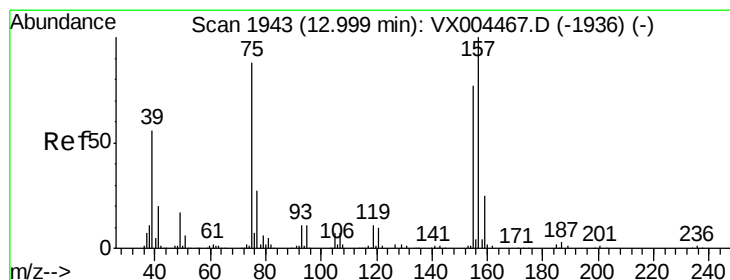
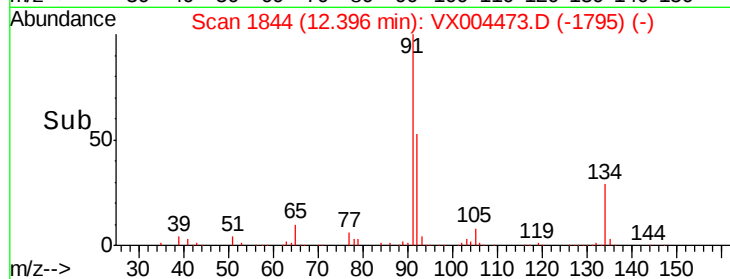
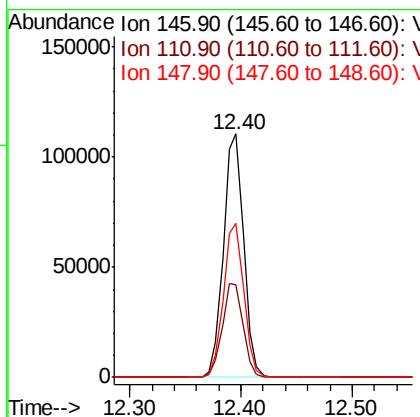
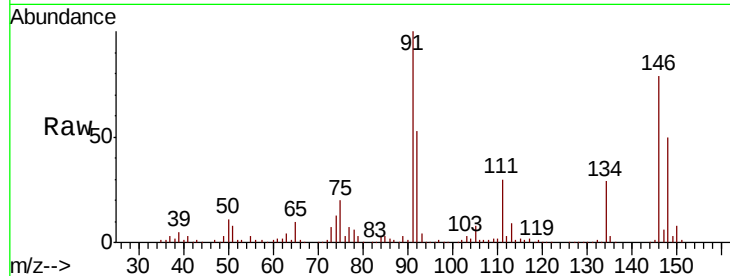
#91
 1,2-Dichlorobenzene
 Concen: 20.22 ug/l
 RT: 12.40 min Scan# 1844
 Delta R.T. 0.00 min
 Lab File: VX004473.D
 Acq: 11 Sep 2018 18:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0911WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.4	58.1
148	63.6	32.8	98.3

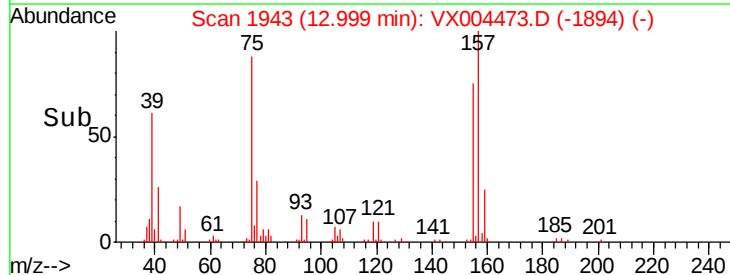
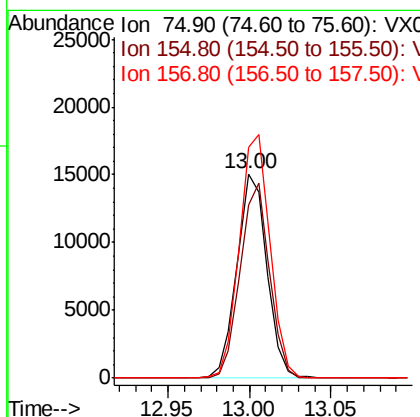
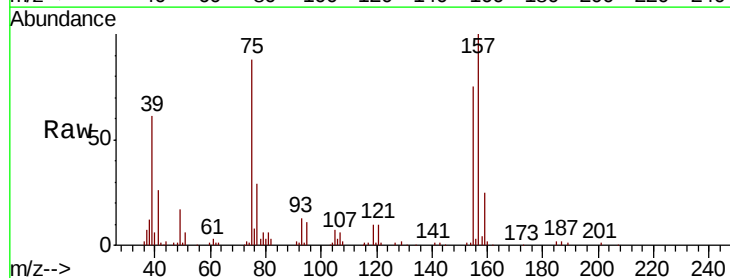
Manual Integrations
 APPROVED

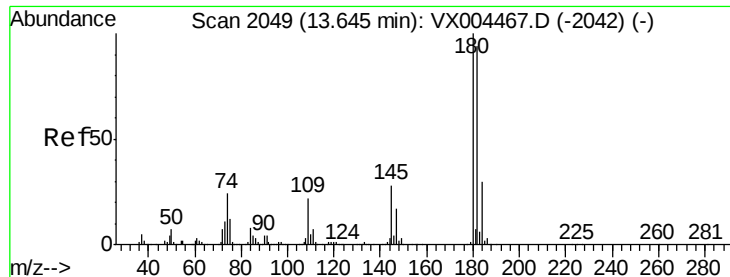
MMDadoda
 9/12/2018 11:26:47 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.36 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX004473.D
 Acq: 11 Sep 2018 18:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.0	48.0	144.2
157	121.5	61.4	184.1





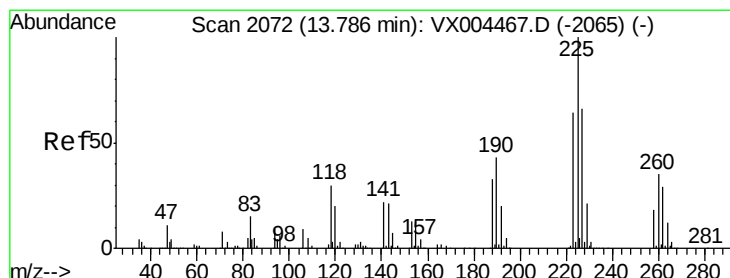
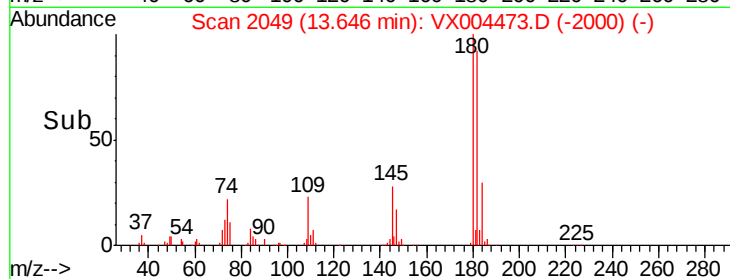
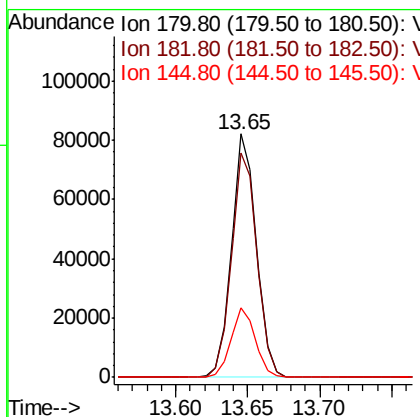
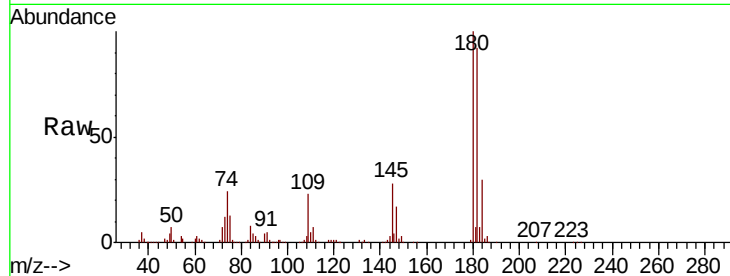
#93
 1,2,4-Trichlorobenzene
 Concen: 20.49 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX004473.D
 Acq: 11 Sep 2018 18:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0911WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.5	48.4	145.0	
145	27.9	14.3	42.9	

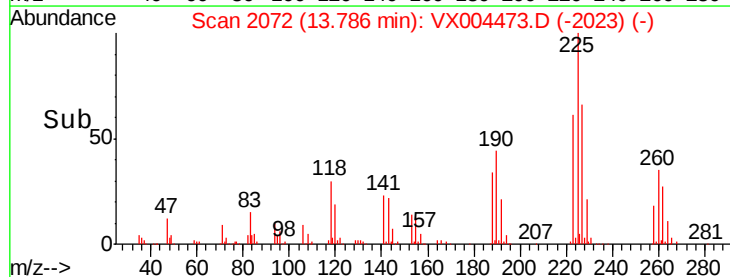
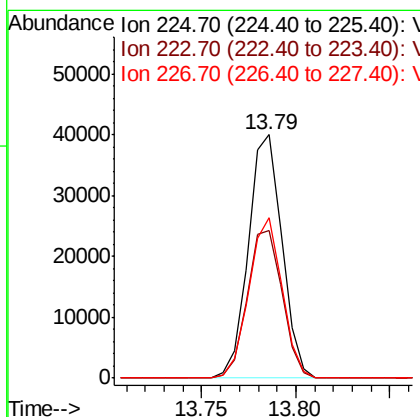
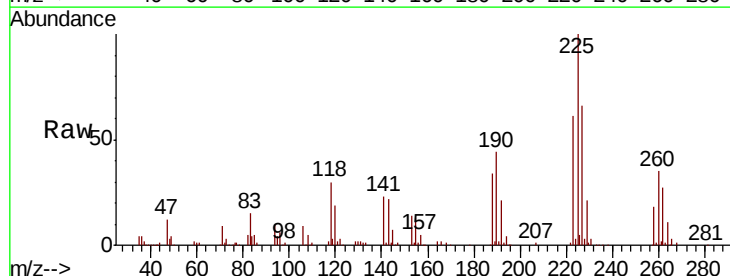
Manual Integrations
 APPROVED

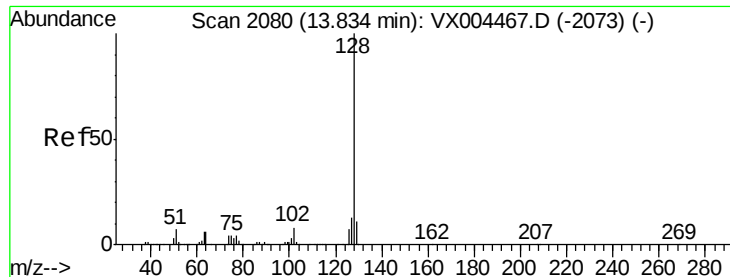
MMDadoda
 9/12/2018 11:26:47 AM



#94
 Hexachlorobutadiene
 Concen: 19.54 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX004473.D
 Acq: 11 Sep 2018 18:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.9	30.1	90.5	
227	64.9	30.8	92.4	





#95

Naphthalene

Concen: 21.31 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004473.D

Acq: 11 Sep 2018 18:47

Instrument :

MSVOA_X

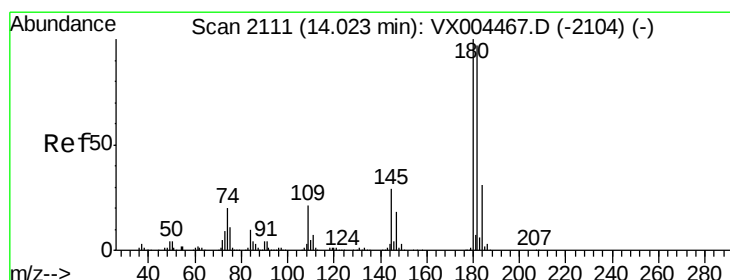
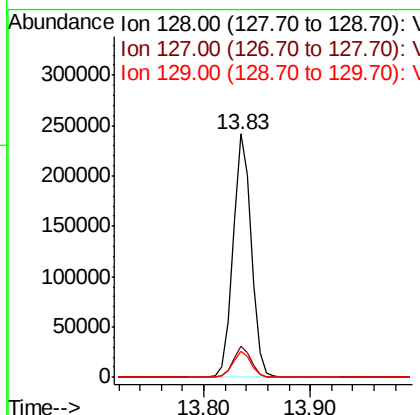
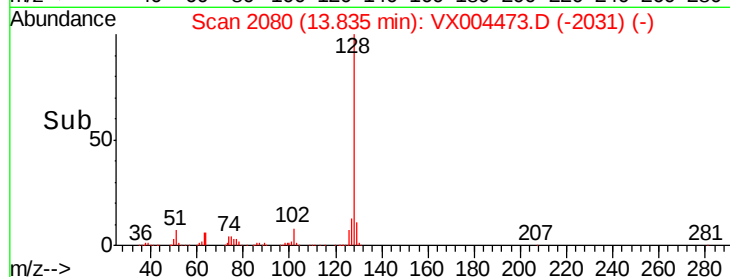
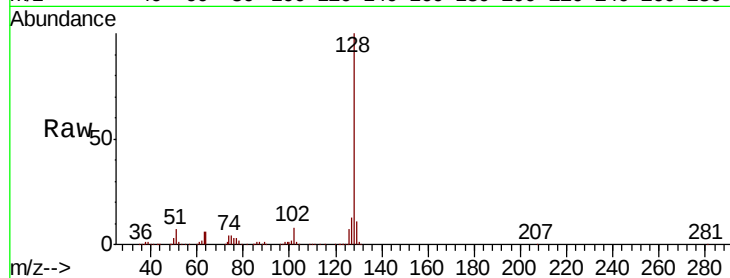
ClientSampleId :

VX0911WBSD01

Tot Ion:	128	Resp:	290253
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.2	15.2
129	10.7	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/12/2018 11:26:47 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.55 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VX004473.D

Acq: 11 Sep 2018 18:47

Tgt Ion:	180	Resp:	102511
Ion Ratio	Lower	Upper	
180	100		
182	94.1	48.5	145.6
145	29.5	14.9	44.9

