

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091218\
 Data File : VX004487.D
 Acq On : 12 Sep 2018 11:52
 Operator : JC/MD
 Sample : VX0912WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/13/2018 10:58:11 AM

Quant Time: Sep 13 01:37:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	229857	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	334834	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	321237	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	192210	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	157464	53.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.26%	
35) Dibromofluoromethane	5.50	113	133212	43.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.96%	
50) Toluene-d8	8.72	98	516087	50.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.46%	
62) 4-Bromofluorobenzene	11.14	95	185717	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	45902	21.31	ug/l	97
3) Chloromethane	1.32	50	62921	21.22	ug/l	99
4) Vinyl Chloride	1.40	62	64698	21.26	ug/l	99
5) Bromomethane	1.64	94	34443	26.48	ug/l	98
6) Chloroethane	1.72	64	40206	20.43	ug/l	99
7) Trichlorofluoromethane	1.92	101	83727	20.76	ug/l	96
8) Diethyl Ether	2.19	74	36543	20.21	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.38	101	52349	20.46	ug/l	99
10) Methyl Iodide	2.51	142	47190	18.37	ug/l	99
11) Tert butyl alcohol	3.07	59	78849	111.49	ug/l	99
12) 1,1-Dichloroethene	2.37	96	50523	21.04	ug/l	98
13) Acrolein	2.29	56	33950	121.61	ug/l	97
14) Allyl chloride	2.73	41	104250	21.11	ug/l	95
15) Acrylonitrile	3.15	53	182330	107.06	ug/l	99
16) Acetone	2.45	43	148985	102.99	ug/l	99
17) Carbon Disulfide	2.57	76	143677	20.70	ug/l	99
18) Methyl Acetate	2.78	43	86512	21.32	ug/l	95
19) Methyl tert-butyl Ether	3.20	73	176756	20.97	ug/l	96
20) Methylene Chloride	2.85	84	58940	19.86	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	55381	20.87	ug/l	92
22) Diisopropyl ether	3.87	45	175076	19.69	ug/l	97
23) Vinyl Acetate	3.82	43	749221	104.11	ug/l	98
24) 1,1-Dichloroethane	3.69	63	106721	21.26	ug/l	98
25) 2-Butanone	4.71	43	220161	95.63	ug/l	99
26) 2,2-Dichloropropane	4.58	77	72648	21.07	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	58202	19.65	ug/l	97
28) Bromochloromethane	5.01	49	49709	21.64	ug/l	94
29) Tetrahydrofuran	5.17	42	145375	104.71	ug/l	96
30) Chloroform	5.21	83	96326	19.65	ug/l	98
31) Cyclohexane	5.57	56	85848	20.02	ug/l	90
32) 1,1,1-Trichloroethane	5.50	97	80690	20.44	ug/l	98
36) 1,1-Dichloropropene	5.80	75	71778	17.66	ug/l	100
37) Ethyl Acetate	4.86	43	81795	17.69	ug/l	99
38) Carbon Tetrachloride	5.78	117	70301	17.71	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091218\
 Data File : VX004487.D
 Acq On : 12 Sep 2018 11:52
 Operator : JC/MD
 Sample : VX0912WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/13/2018 10:58:11 AM

Quant Time: Sep 13 01:37:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	82938	19.55	ug/l	95
40) Benzene	6.14	78	223106	18.50	ug/l	100
41) Methacrylonitrile	5.06	41	46413	18.22	ug/l	97
42) 1,2-Dichloroethane	6.20	62	74340	18.58	ug/l	99
43) Isopropyl Acetate	6.47	43	120743	19.66	ug/l	98
44) Trichloroethene	7.21	130	60804	19.40	ug/l	94
45) 1,2-Dichloropropane	7.52	63	57840	19.93	ug/l	100
46) Dibromomethane	7.66	93	37137	20.25	ug/l	98
47) Bromodichloromethane	7.90	83	68766	19.83	ug/l	97
48) Methyl methacrylate	7.78	41	62231	20.48	ug/l	97
49) 1,4-Dioxane	7.76	88	30681	426.55	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	423023	97.62	ug/l	96
52) Toluene	8.79	92	138692	19.52	ug/l	96
53) t-1,3-Dichloropropene	9.04	75	76133	18.80	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	84476	20.46	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	57545	18.81	ug/l	98
56) Ethyl methacrylate	9.18	69	79307	18.32	ug/l	97
57) 1,3-Dichloropropane	9.37	76	94610	19.03	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	224487	106.10	ug/l	96
59) 2-Hexanone	9.50	43	325333	97.87	ug/l	96
60) Dibromochloromethane	9.59	129	55413	19.24	ug/l	100
61) 1,2-Dibromoethane	9.68	107	58750	20.10	ug/l	99
64) Tetrachloroethene	9.34	164	70920	17.68	ug/l	98
65) Chlorobenzene	10.14	112	155903	19.54	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.23	131	53385	19.40	ug/l	99
67) Ethyl Benzene	10.26	91	254150	19.59	ug/l	99
68) m/p-Xylenes	10.36	106	201981	40.41	ug/l	97
69) o-Xylene	10.70	106	95014	19.77	ug/l	97
70) Styrene	10.71	104	161620	20.30	ug/l	99
71) Bromoform	10.86	173	42752	18.92	ug/l #	99
73) Isopropylbenzene	11.02	105	261023	20.62	ug/l	100
74) N-amyl acetate	10.90	43	106301	19.95	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	81354	19.92	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	78388m	20.27	ug/l	
77) Bromobenzene	11.26	156	69493	19.86	ug/l	97
78) n-propylbenzene	11.36	91	300077	20.62	ug/l	100
79) 2-Chlorotoluene	11.42	91	178590	20.23	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	218836	20.56	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	24476	20.17	ug/l	98
82) 4-Chlorotoluene	11.51	91	208524	20.24	ug/l	100
83) tert-Butylbenzene	11.77	119	204427	20.18	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	226040	20.80	ug/l	99
85) sec-Butylbenzene	11.95	105	262036	20.30	ug/l	99
86) p-Isopropyltoluene	12.07	119	234738	20.59	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	128574	19.70	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	129608	19.21	ug/l	98
89) n-Butylbenzene	12.39	91	202240	19.47	ug/l	97
90) Hexachloroethane	12.60	117	35235	19.31	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	130388	19.73	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	18228	20.91	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091218\
Data File : VX004487.D
Acq On : 12 Sep 2018 11:52
Operator : JC/MD
Sample : VX0912WBS01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0912WBS01

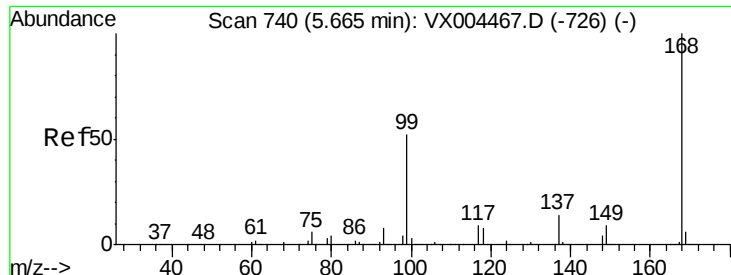
Manual Integrations
APPROVED

MMDadoda
9/13/2018 10:58:11 AM

Quant Time: Sep 13 01:37:21 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 12 02:17:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	91395	19.53	ug/l	99
94) Hexachlorobutadiene	13.79	225	47818	19.57	ug/l	99
95) Naphthalene	13.83	128	266485	20.31	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	94322	19.62	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0912WBS01

Tot Ion:168 Resp: 229857

Ion Ratio Lower Upper

168 100

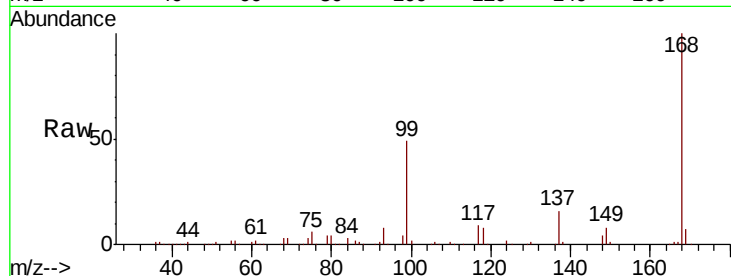
99 49.0 39.9 59.9

Manual Integrations

APPROVED

MMDadoda

9/13/2018 10:58:11 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

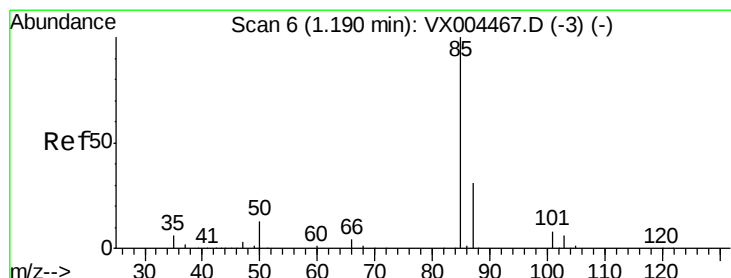
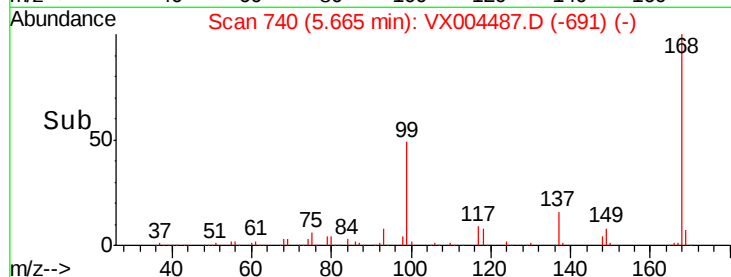
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 21.31 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.01 min

Lab File: VX004487.D

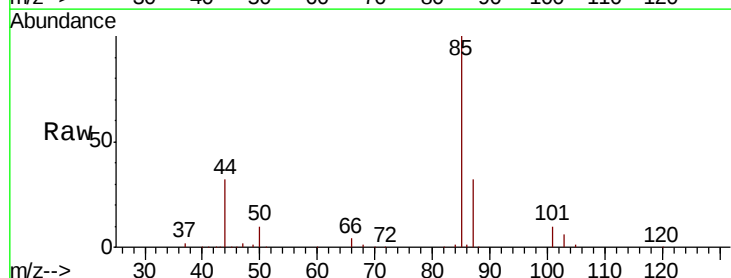
Acq: 12 Sep 2018 11:52

Tgt Ion: 85 Resp: 45902

Ion Ratio Lower Upper

85 100

87 32.4 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

50000

40000

30000

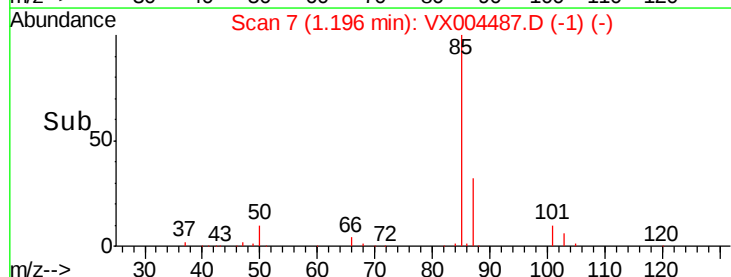
20000

10000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 21.22 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0912WBS01

Tot Ion: 50 Resp: 62921

Ion Ratio Lower Upper

50 100

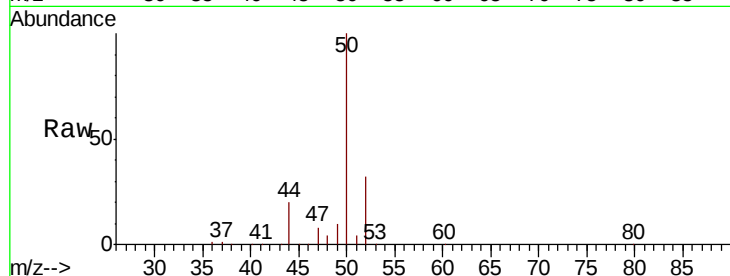
52 32.4 26.2 39.2

Manual Integrations

APPROVED

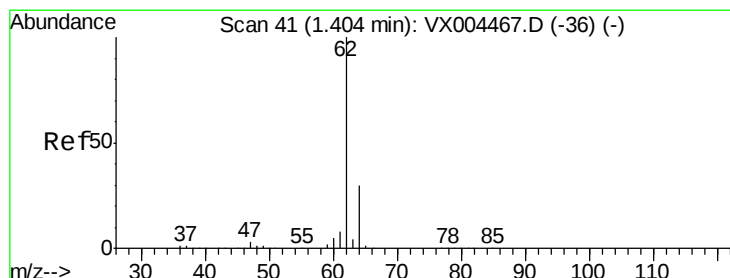
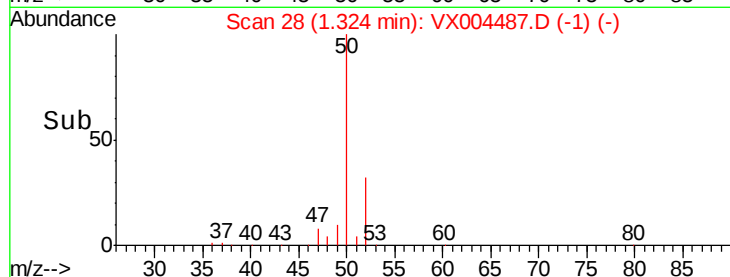
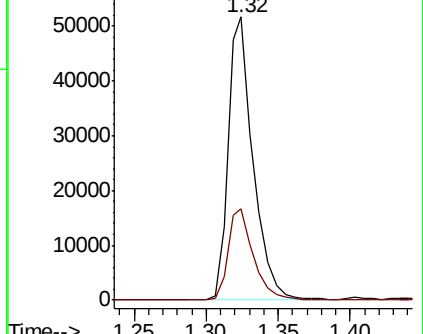
MMDadoda

9/13/2018 10:58:11 AM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 21.26 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004487.D

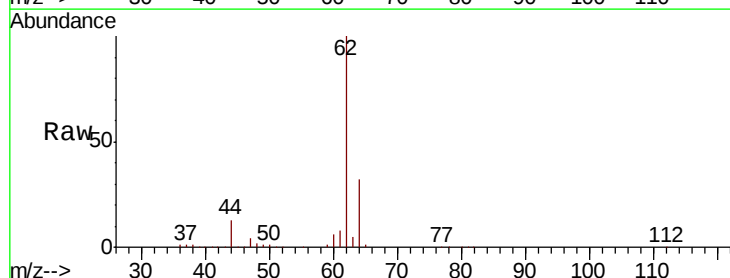
Acq: 12 Sep 2018 11:52

Tgt Ion: 62 Resp: 64698

Ion Ratio Lower Upper

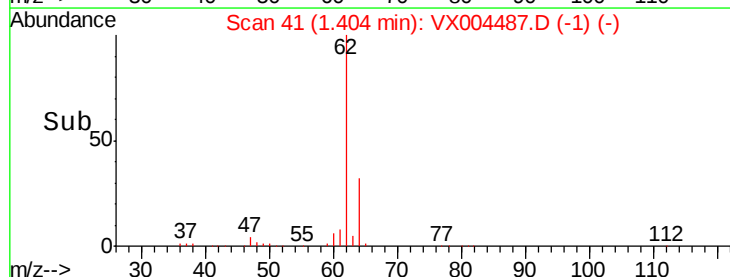
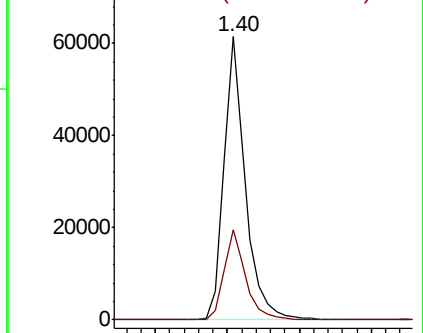
62 100

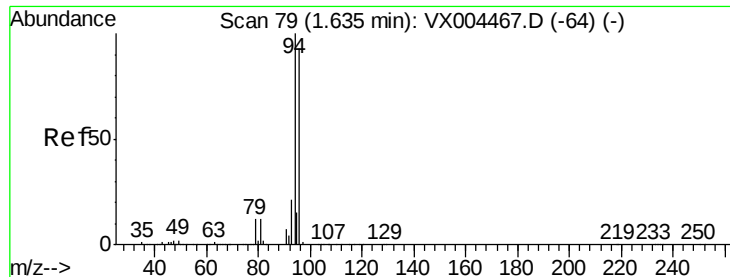
64 32.0 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 26.48 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0912WBS01

Tot Ion: 94 Resp: 34443

Ion Ratio Lower Upper

94 100

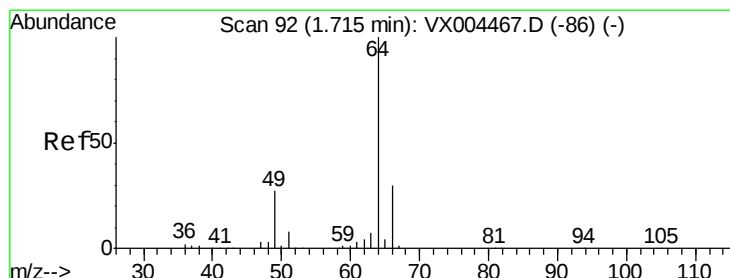
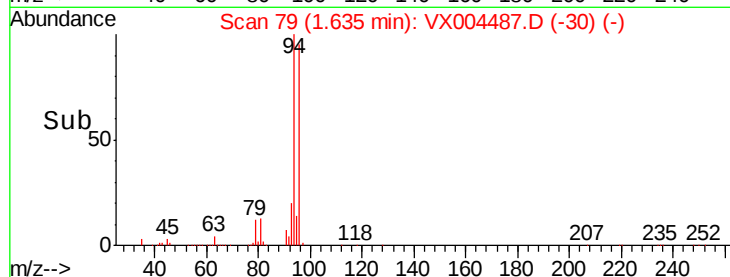
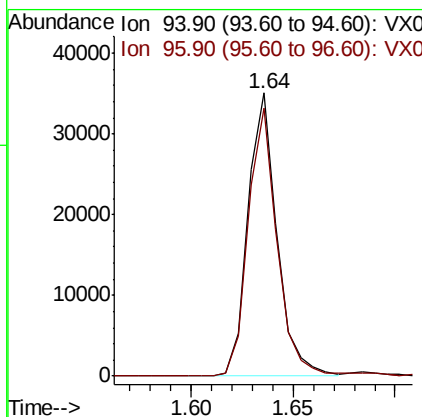
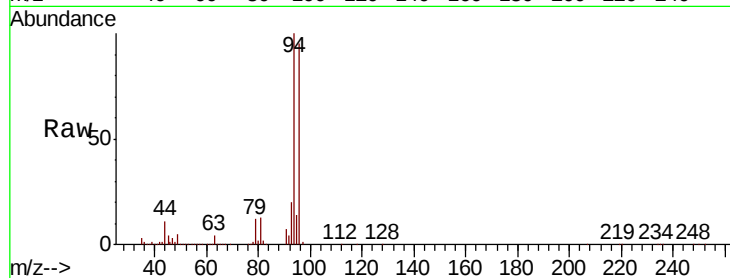
96 94.6 74.5 111.7

Manual Integrations

APPROVED

MMDadoda

9/13/2018 10:58:11 AM



#6

Chloroethane

Concen: 20.43 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX004487.D

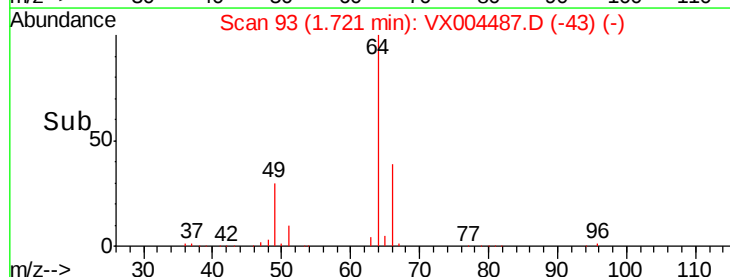
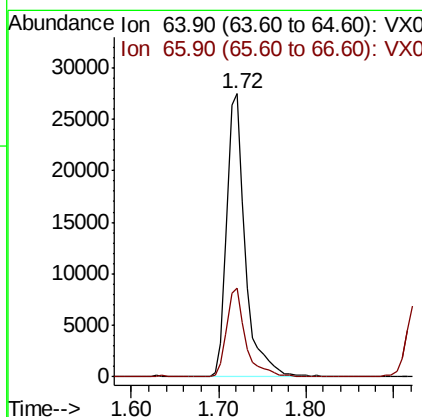
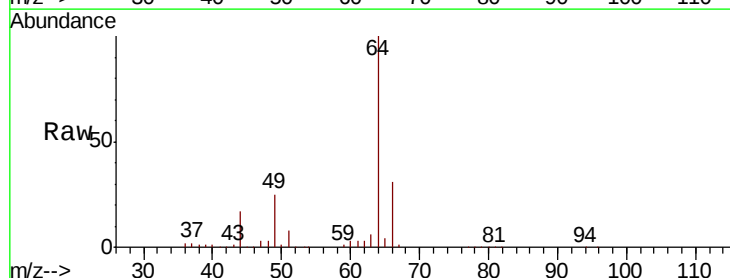
Acq: 12 Sep 2018 11:52

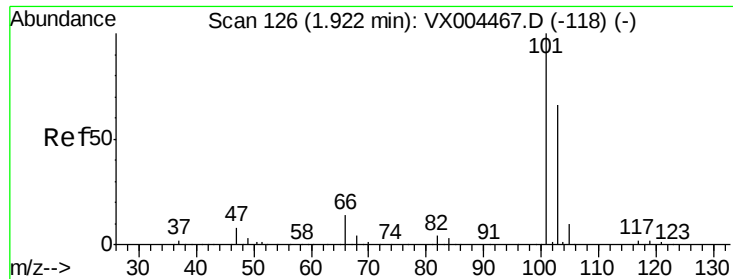
Tgt Ion: 64 Resp: 40206

Ion Ratio Lower Upper

64 100

66 31.2 24.6 36.8





#7

Trichlorofluoromethane

Concen: 20.76 ug/l

RT: 1.92 min Scan# 126

Delta R.T. -0.00 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0912WBS01

Tot Ion:101 Resp: 83727

Ion Ratio Lower Upper

101 100

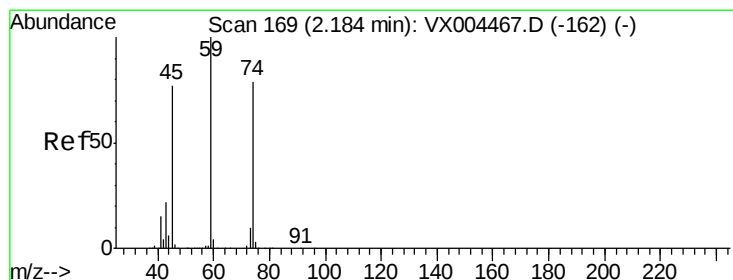
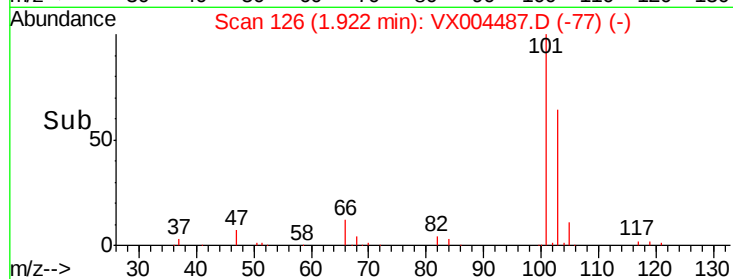
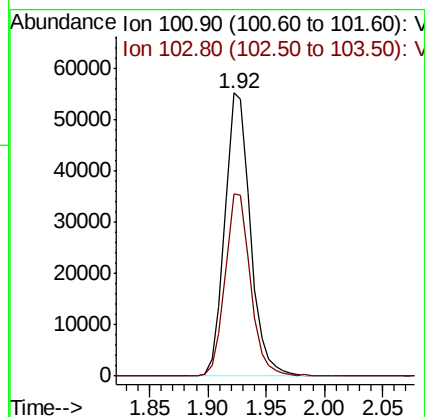
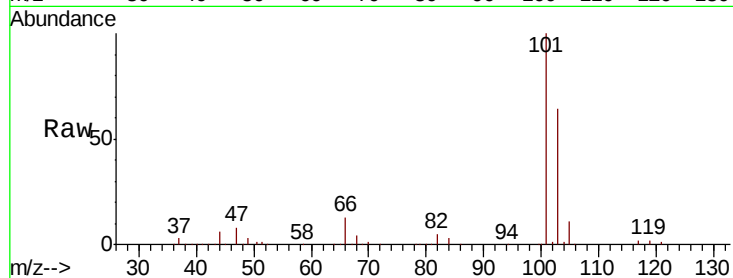
103 64.3 48.9 73.3

Manual Integrations

APPROVED

MMDadoda

9/13/2018 10:58:11 AM



#8

Diethyl Ether

Concen: 20.21 ug/l

RT: 2.19 min Scan# 170

Delta R.T. 0.01 min

Lab File: VX004487.D

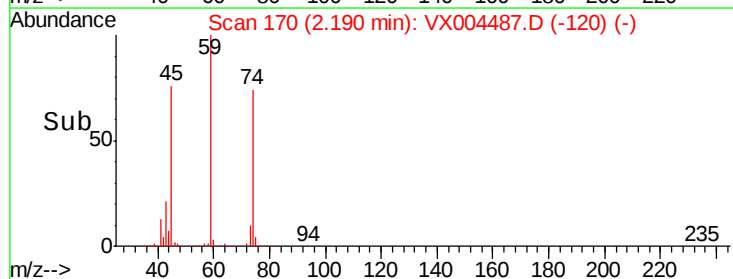
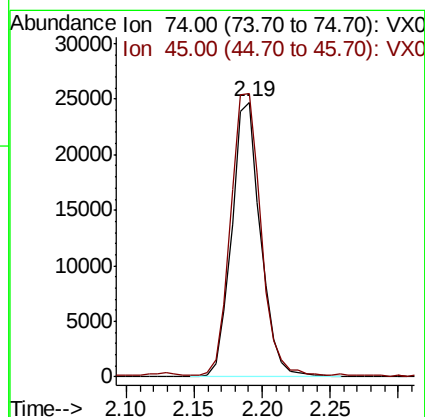
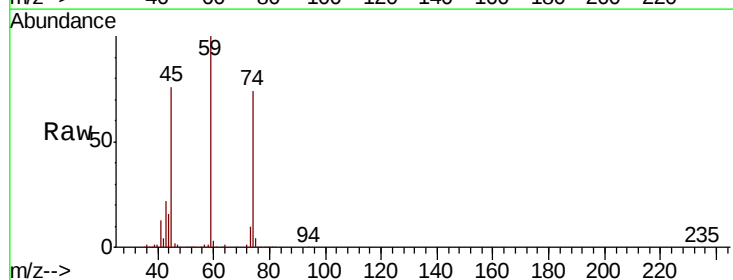
Acq: 12 Sep 2018 11:52

Tgt Ion: 74 Resp: 36543

Ion Ratio Lower Upper

74 100

45 107.4 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.46 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

Instrument :

MSVOA_X

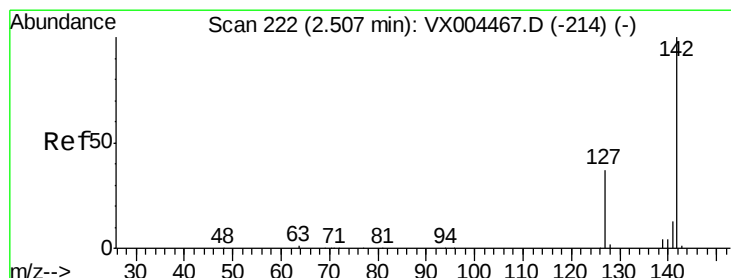
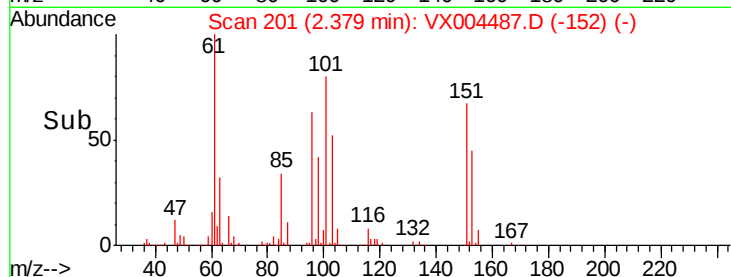
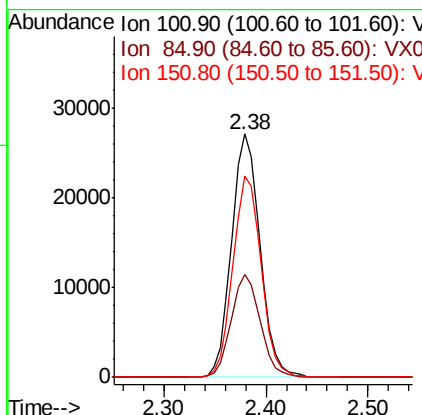
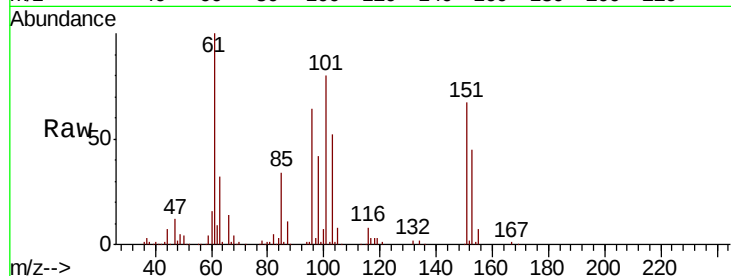
ClientSampleId :

VX0912WBS01

Tot Ion:	101	Resp:	52349
Ion Ratio	Lower	Upper	
101	100		
85	42.9	34.2	51.4
151	82.2	65.0	97.6

Manual Integrations
APPROVED

MMDadoda
9/13/2018 10:58:11 AM



#10

Methyl Iodide

Concen: 18.37 ug/l

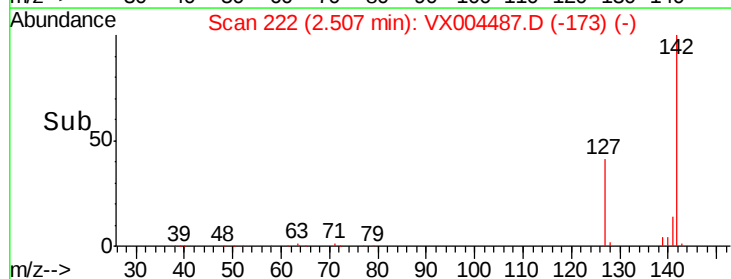
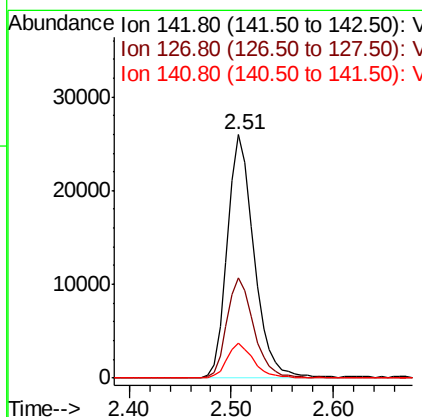
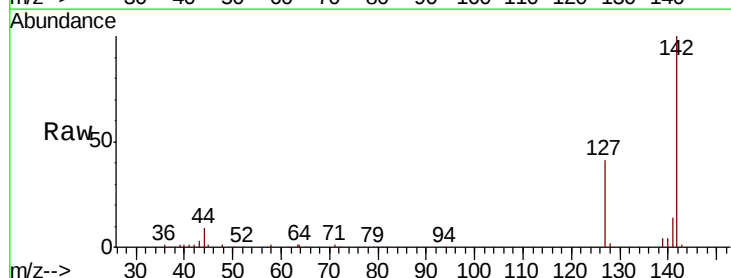
RT: 2.51 min Scan# 222

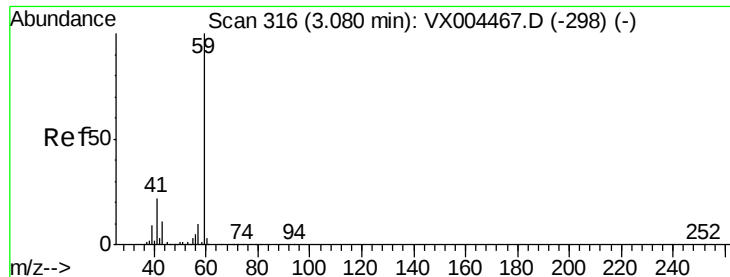
Delta R.T. 0.00 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

Tgt Ion:	142	Resp:	47190
Ion Ratio	Lower	Upper	
142	100		
127	41.2	33.8	50.6
141	14.2	11.4	17.0





#11

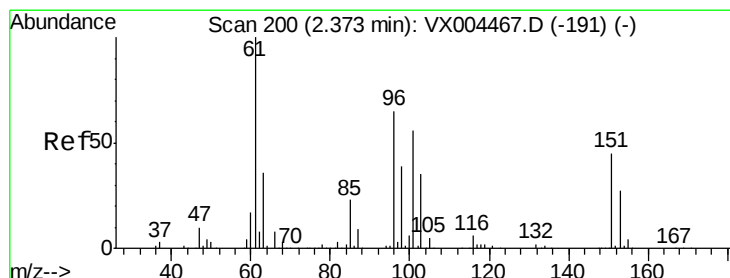
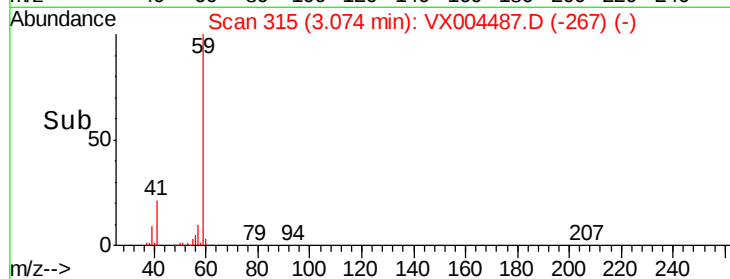
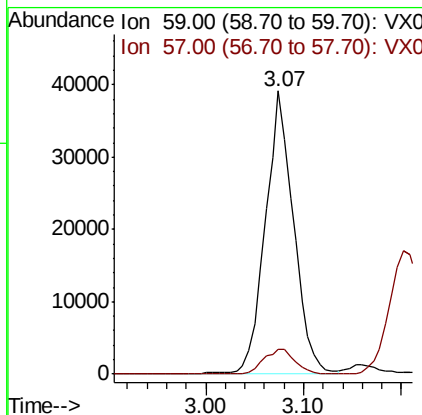
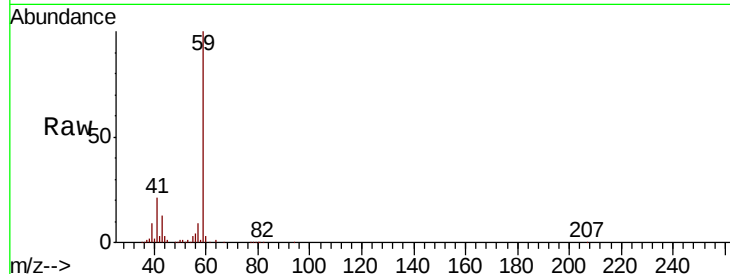
Tert butyl alcohol
Concen: 111.49 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX004487.D
Acq: 12 Sep 2018 11:52

Instrument :
MSVOA_X
ClientSampled :
VX0912WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.2	12.4

Manual Integrations
APPROVED

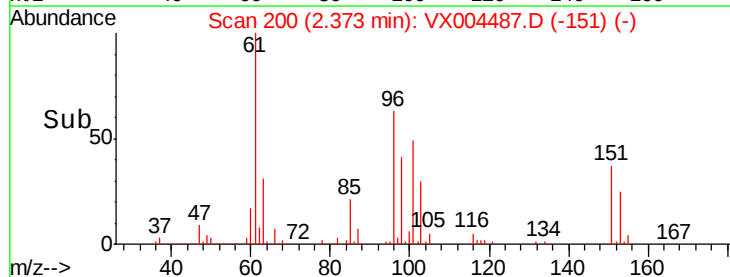
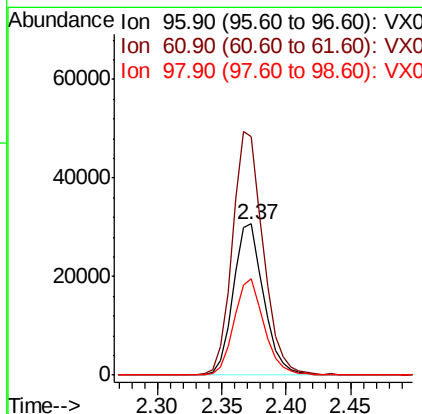
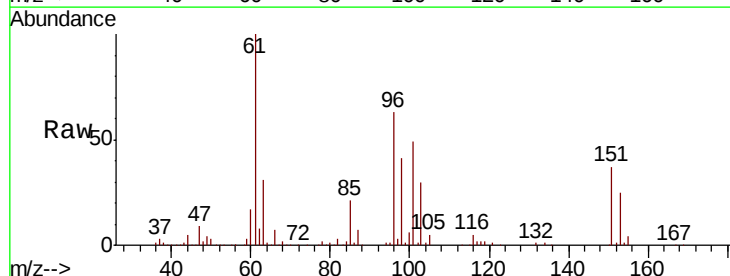
MMDadoda
9/13/2018 10:58:11 AM

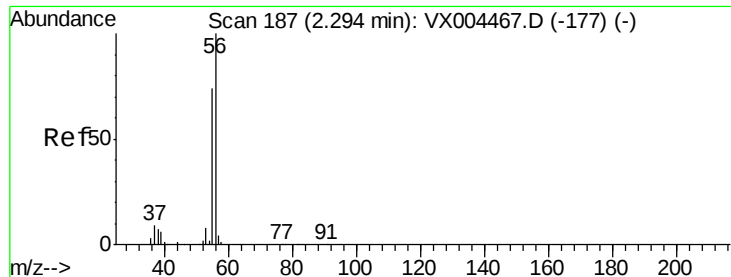


#12

1,1-Dichloroethene
Concen: 21.04 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX004487.D
Acq: 12 Sep 2018 11:52

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.7	128.8	193.2
98	64.1	52.2	78.2





#13

Acrolein

Concen: 121.61 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0912WBS01

Tot Ion: 56 Resp: 33950

Ion Ratio Lower Upper

56 100

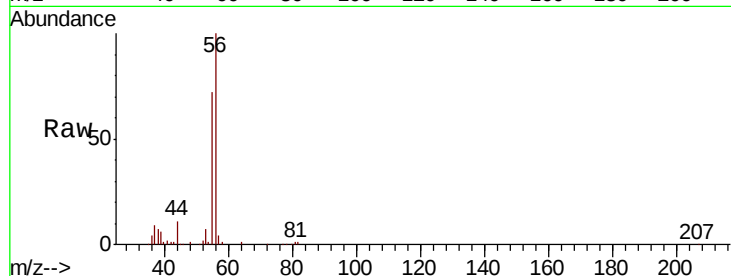
55 70.8 54.7 82.1

Manual Integrations

APPROVED

MMDadoda

9/13/2018 10:58:11 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

25000

20000

15000

10000

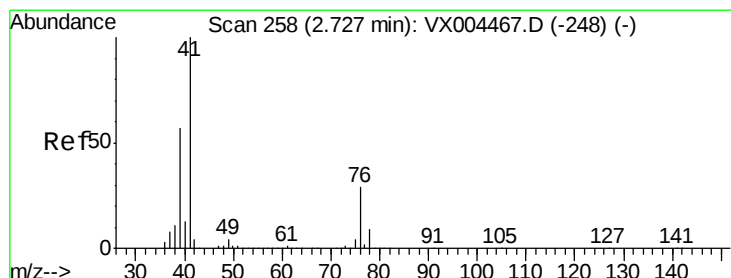
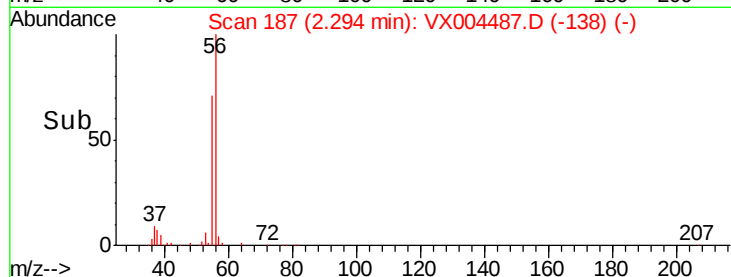
5000

0

Time-->

2.20 2.25 2.30 2.35 2.40

2.29



#14

Allyl chloride

Concen: 21.11 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

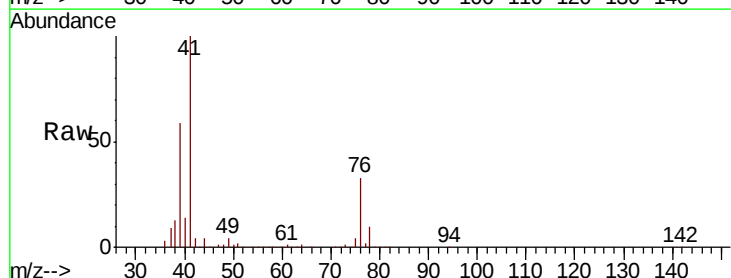
Tgt Ion: 41 Resp: 104250

Ion Ratio Lower Upper

41 100

39 56.8 48.9 73.3

76 31.3 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

80000

60000

40000

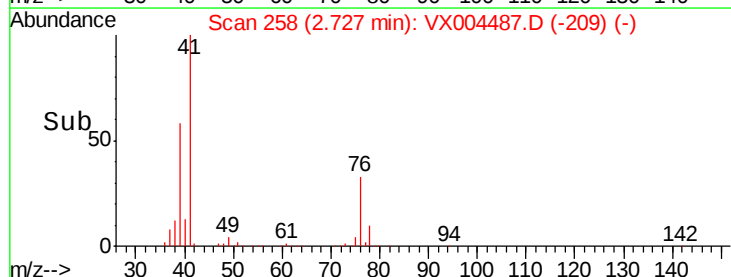
20000

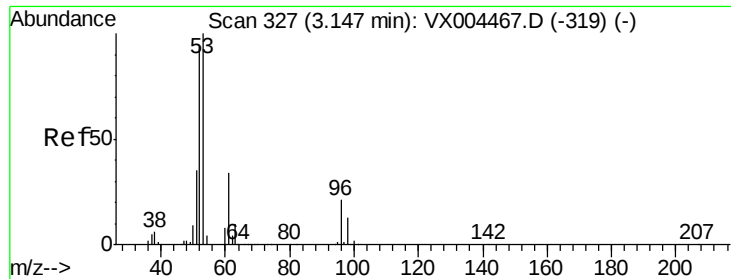
0

Time-->

2.60 2.70 2.80

2.73





#15

Acrylonitrile

Concen: 107.06 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

Instrument :

MSVOA_X

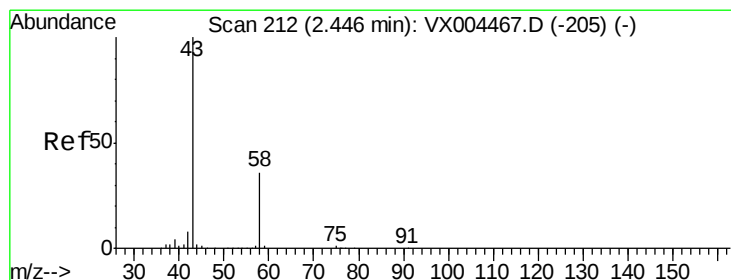
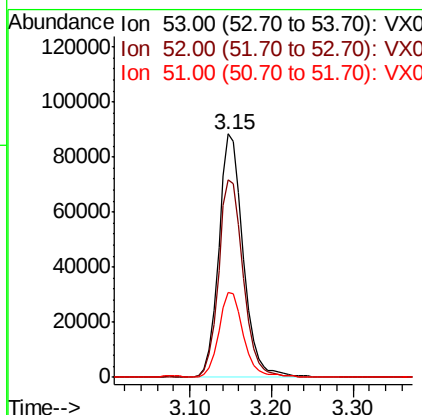
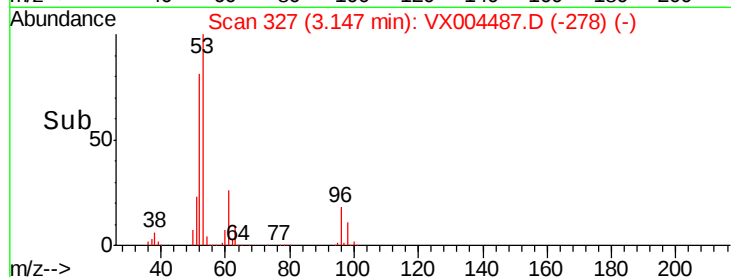
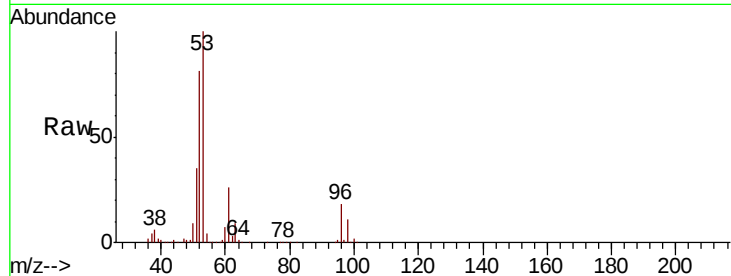
ClientSampleId :

VX0912WBS01

Tot Ion:	53	Resp:	182330
Ion Ratio	Lower	Upper	
53	100		
52	82.2	65.2	97.8
51	35.3	28.2	42.2

Manual Integrations
APPROVED

MMDadoda
9/13/2018 10:58:11 AM



#16

Acetone

Concen: 102.99 ug/l

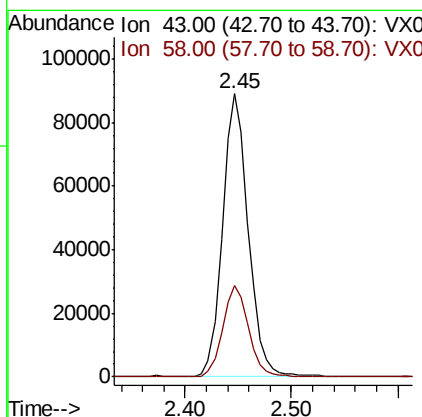
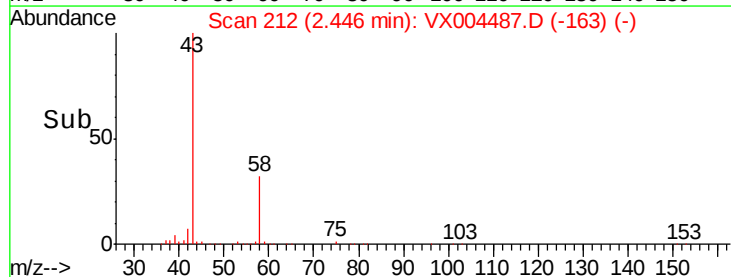
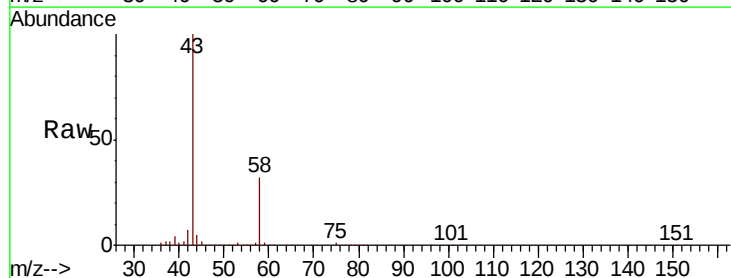
RT: 2.45 min Scan# 212

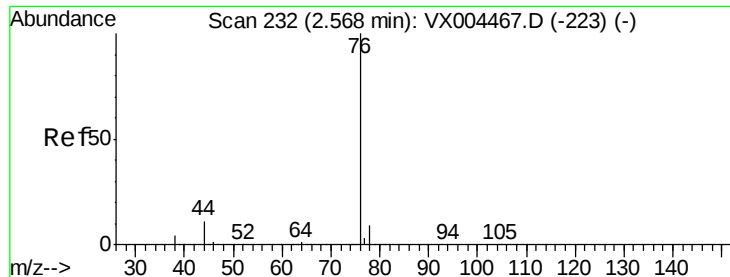
Delta R.T. -0.00 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

Tgt Ion:	43	Resp:	148985
Ion Ratio	Lower	Upper	
43	100		
58	32.5	26.2	39.4





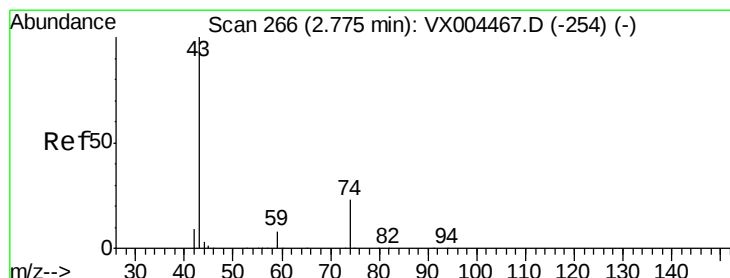
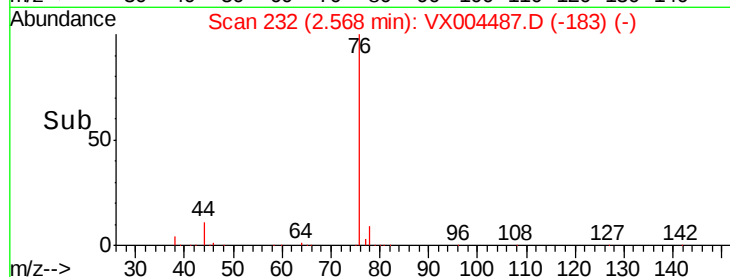
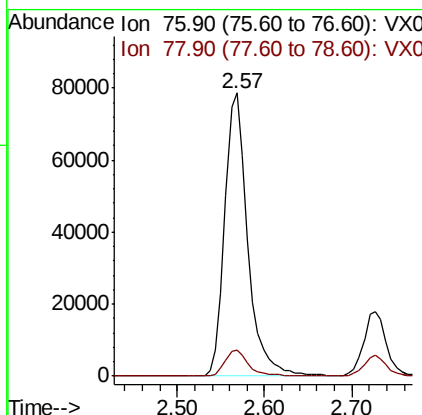
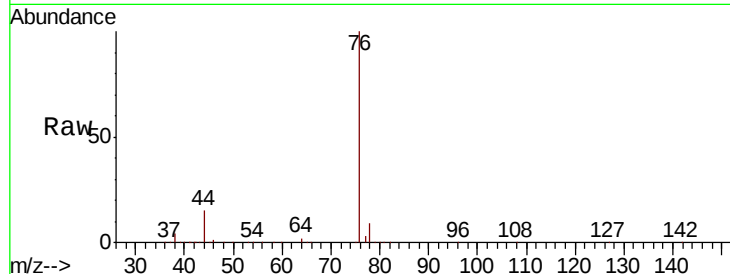
#17
Carbon Disulfide
Concen: 20.70 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX004487.D
Acq: 12 Sep 2018 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0912WBS01

Tot Ion: 76 Resp: 143677
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.6

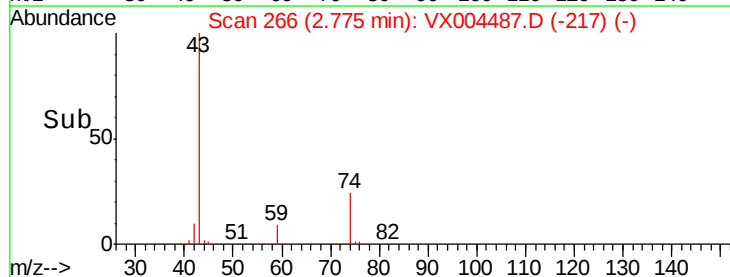
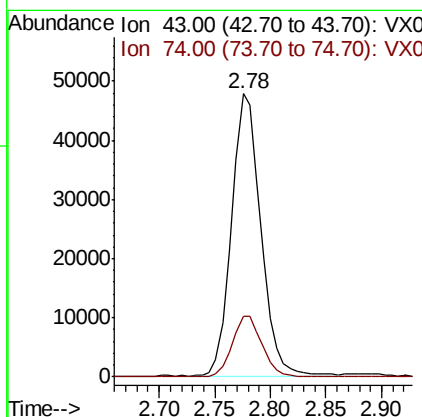
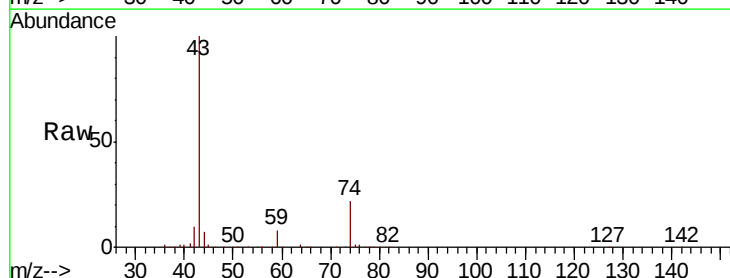
Manual Integrations
APPROVED

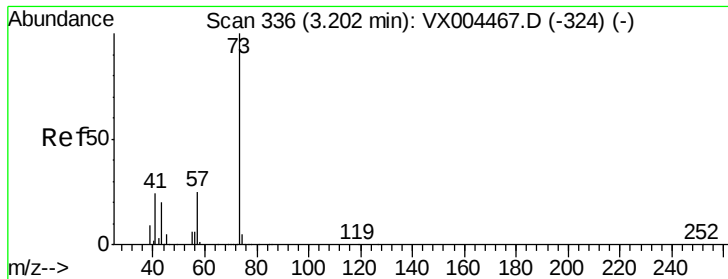
MMDadoda
9/13/2018 10:58:11 AM



#18
Methyl Acetate
Concen: 21.32 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX004487.D
Acq: 12 Sep 2018 11:52

Tgt Ion: 43 Resp: 86512
Ion Ratio Lower Upper
43 100
74 22.0 19.4 29.2





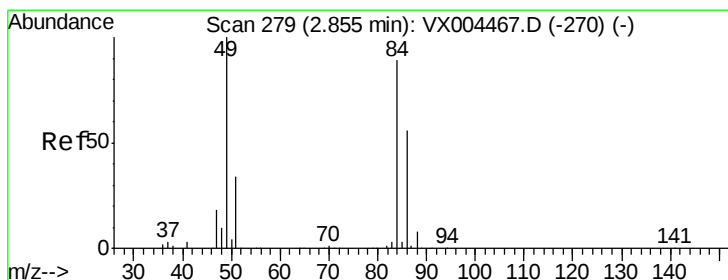
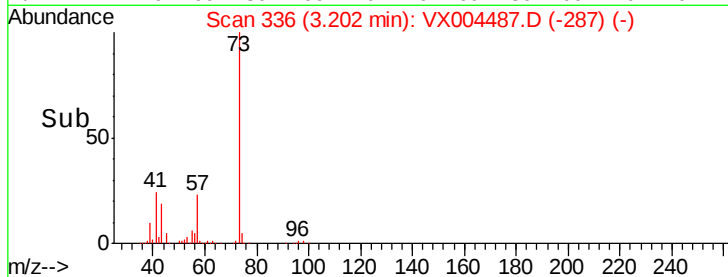
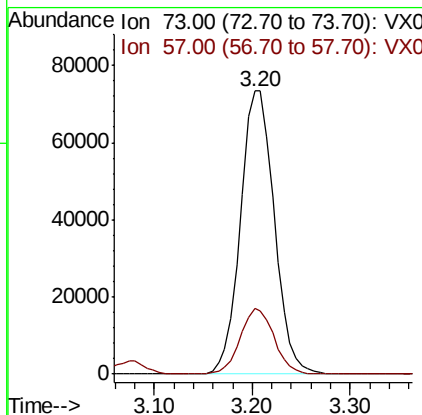
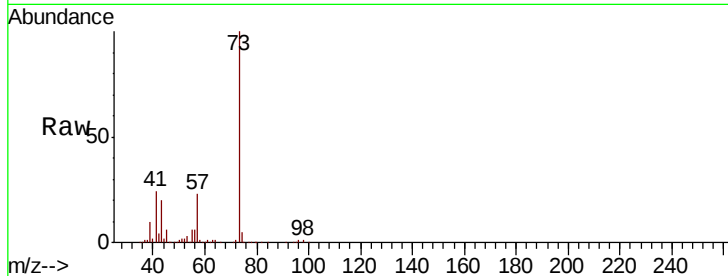
#19
Methvl tert-butvl Ether
Concen: 20.97 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX004487.D
Acq: 12 Sep 2018 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0912WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.2	17.1	25.7

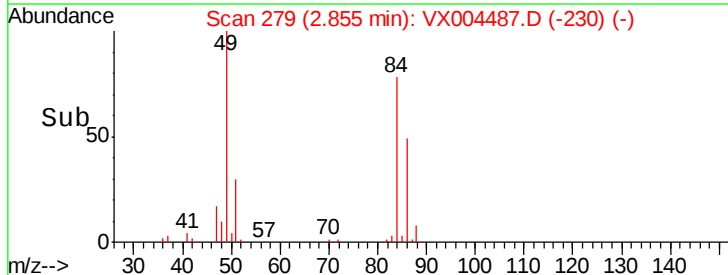
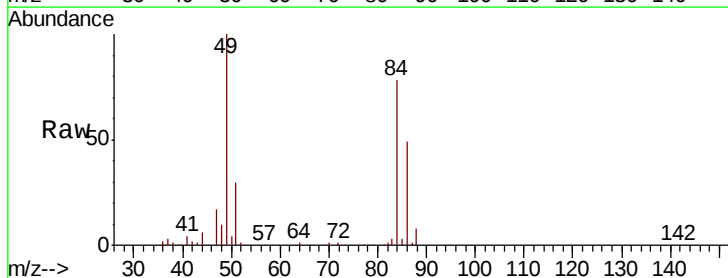
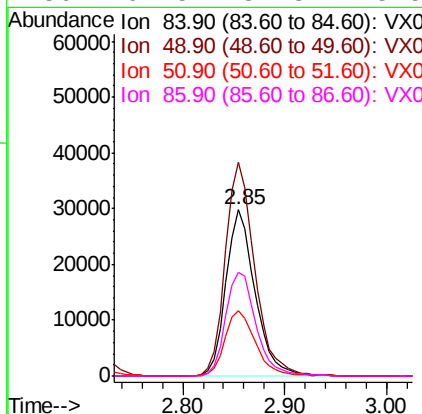
Manual Integrations
APPROVED

MMDadoda
9/13/2018 10:58:11 AM



#20
Methylene Chloride
Concen: 19.86 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX004487.D
Acq: 12 Sep 2018 11:52

Tgt Ion	Ratio	Lower	Upper
84	100		
49	128.5	101.2	151.8
51	38.8	29.5	44.3
86	62.5	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 20.87 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

Instrument :

MSVOA_X

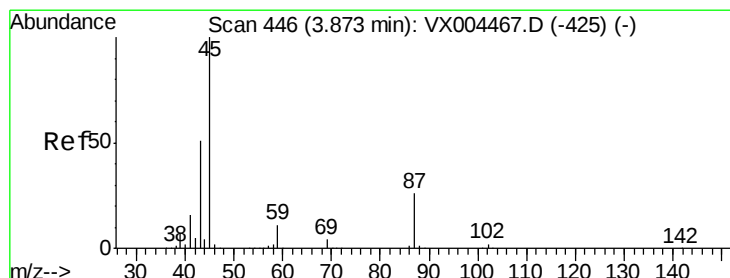
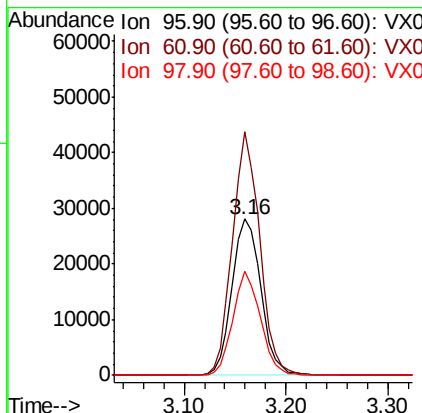
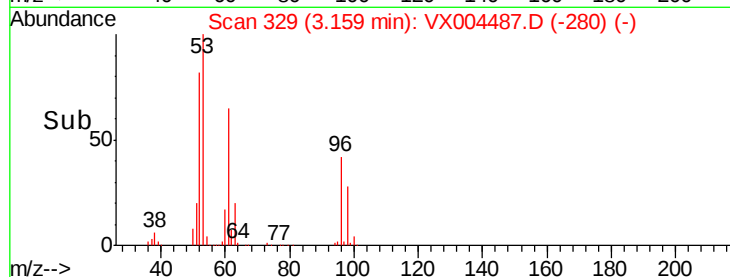
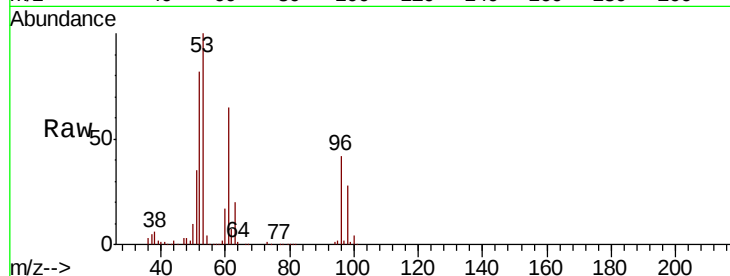
ClientSampleId :

VX0912WBS01

Tot Ion:	96	Resp:	55381
Ion	Ratio	Lower	Upper
96	100		
61	155.6	113.8	170.6
98	66.2	51.8	77.8

Manual Integrations
APPROVED

MMDadoda
9/13/2018 10:58:11 AM



#22

Diisopropyl ether

Concen: 19.69 ug/l

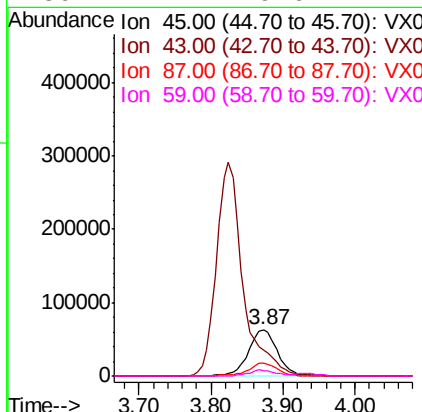
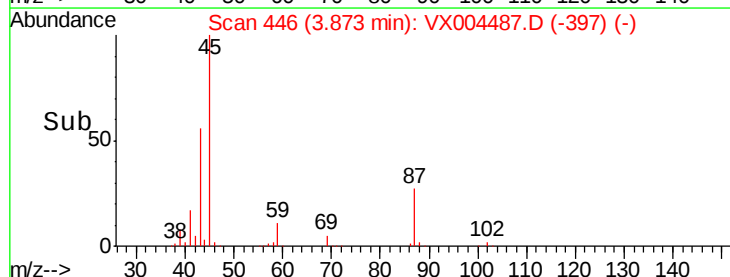
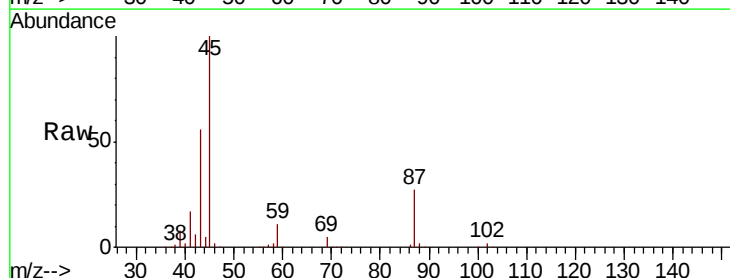
RT: 3.87 min Scan# 446

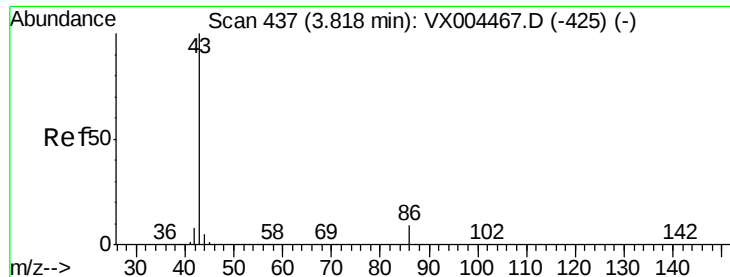
Delta R.T. -0.00 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

Tgt Ion:	45	Resp:	175076
Ion	Ratio	Lower	Upper
45	100		
43	55.6	42.8	64.2
87	27.0	22.6	34.0
59	11.4	9.6	14.4





#23

Vinyl Acetate

Concen: 104.11 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0912WBS01

Tot Ion: 43 Resp: 749221

Ion Ratio Lower Upper

43 100

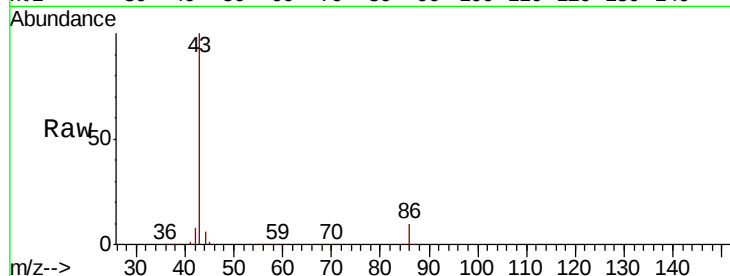
86 10.2 8.9 13.3

Manual Integrations

APPROVED

MMDadoda

9/13/2018 10:58:11 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

300000

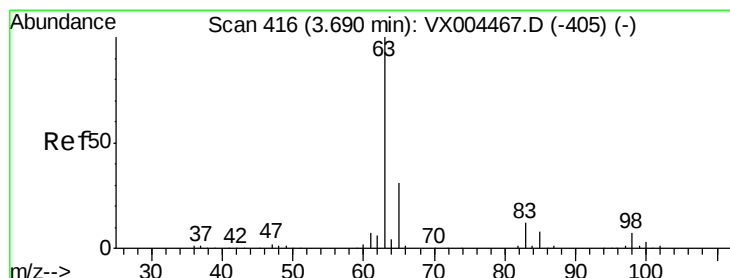
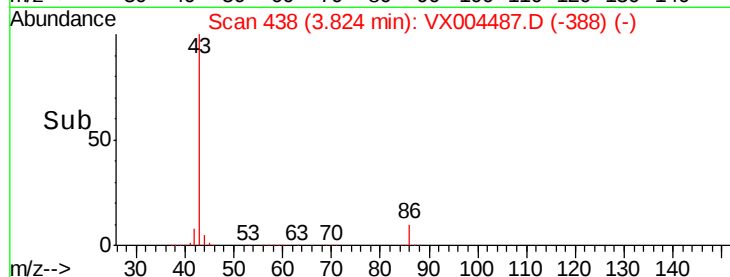
200000

100000

0

3.70 3.80 3.90 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 21.26 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.00 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

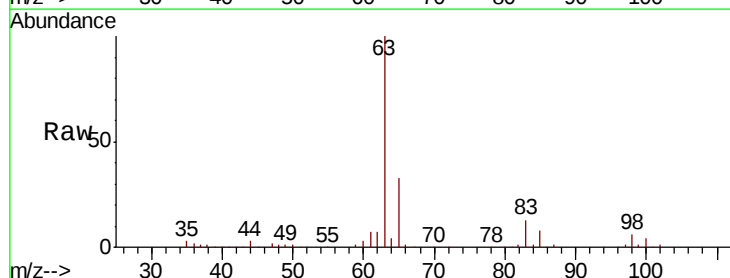
Tgt Ion: 63 Resp: 106721

Ion Ratio Lower Upper

63 100

98 6.3 3.5 10.4

100 3.8 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

60000

50000

40000

30000

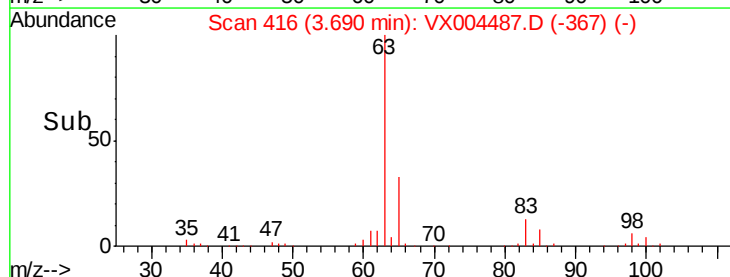
20000

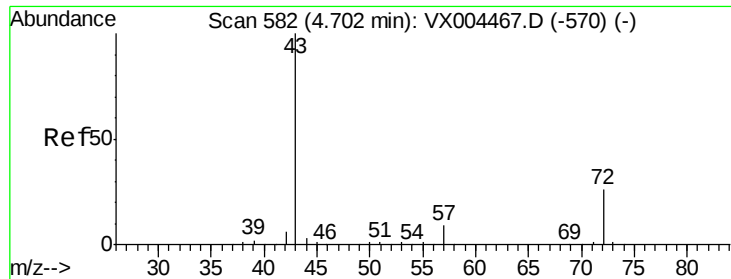
10000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 95.63 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0912WBS01

Tot Ion: 43 Resp: 220161

Ion Ratio Lower Upper

43 100

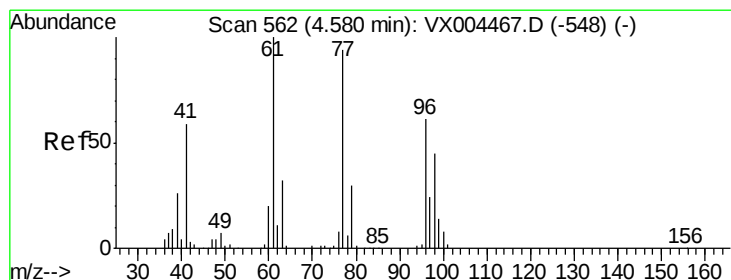
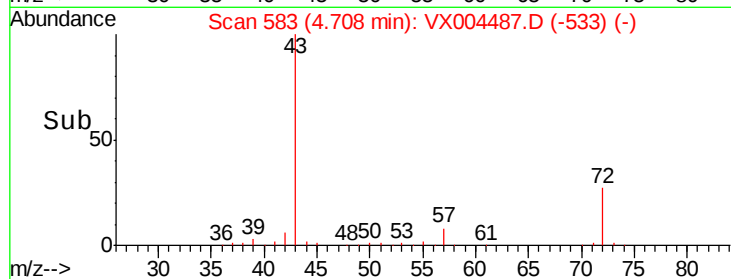
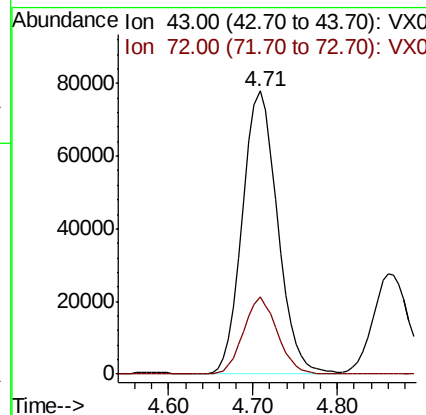
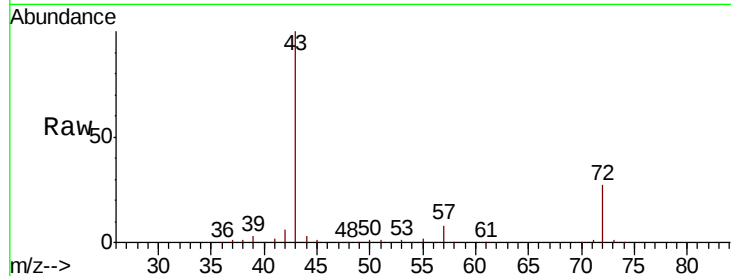
72 27.2 22.0 33.0

Manual Integrations

APPROVED

MMDadoda

9/13/2018 10:58:11 AM



#26

2,2-Dichloropropane

Concen: 21.07 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX004487.D

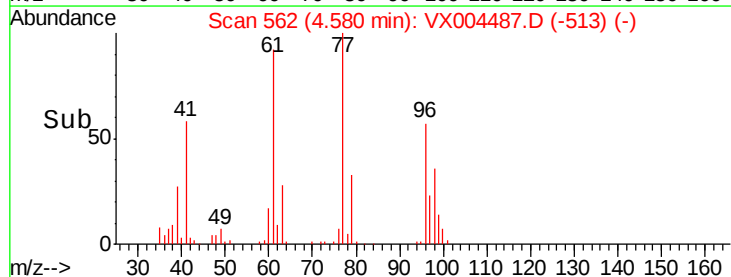
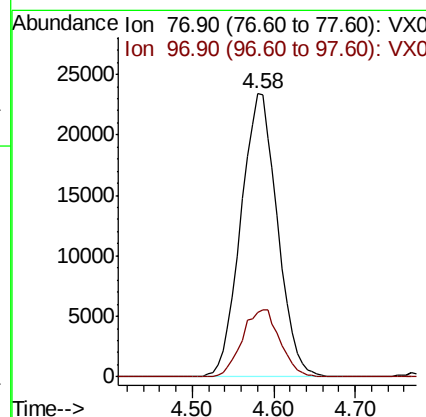
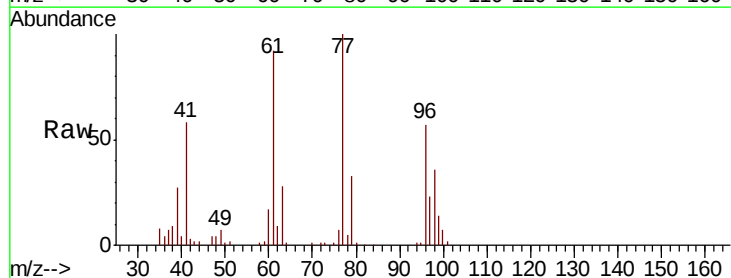
Acq: 12 Sep 2018 11:52

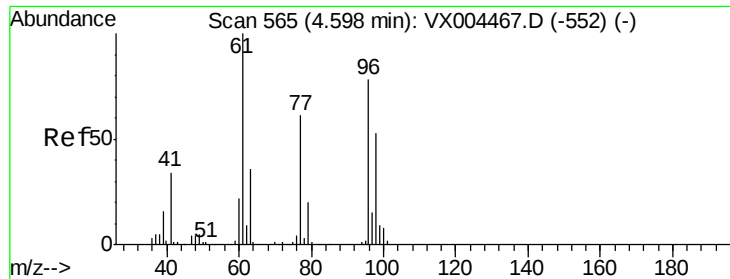
Tgt Ion: 77 Resp: 72648

Ion Ratio Lower Upper

77 100

97 24.5 11.7 35.0





#27

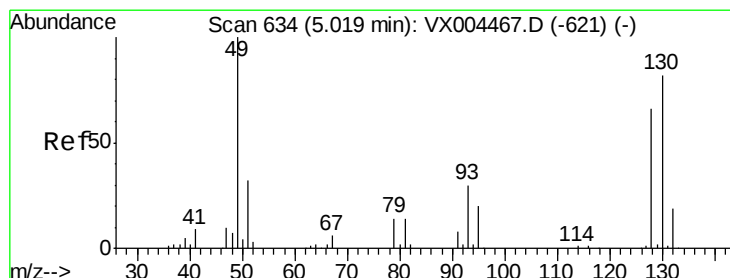
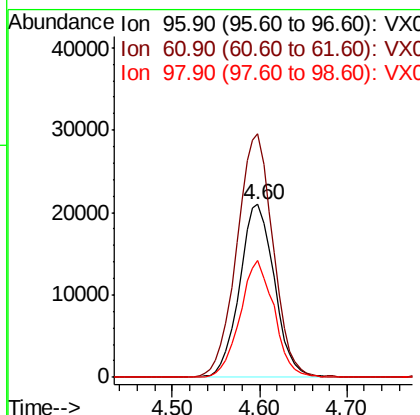
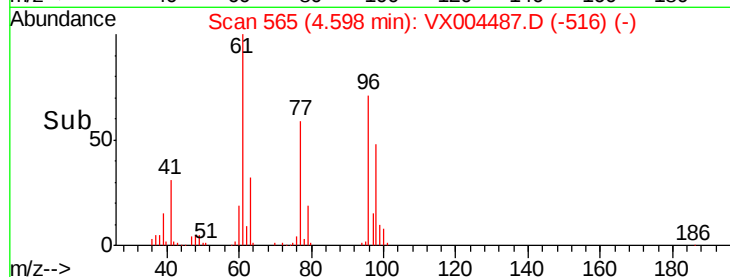
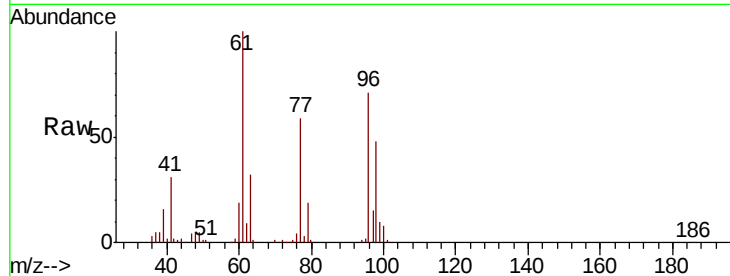
cis-1,2-Dichloroethene
Concen: 19.65 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX004487.D
Acq: 12 Sep 2018 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0912WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.4	0.0	282.6
98	65.6	0.0	130.2

Manual Integrations
APPROVED

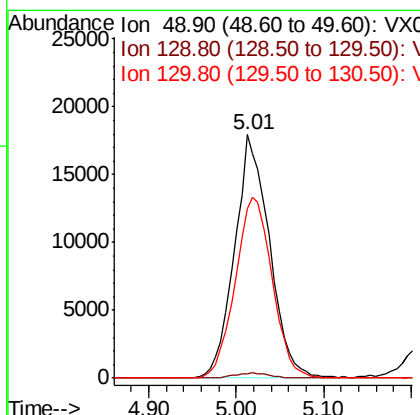
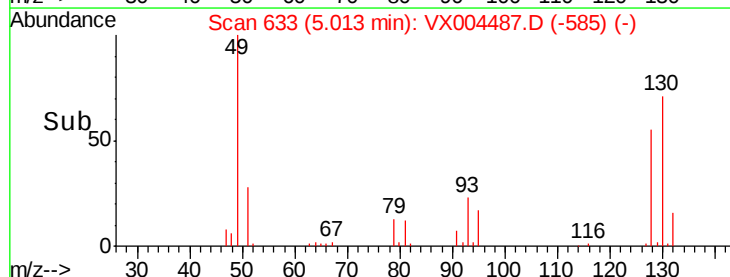
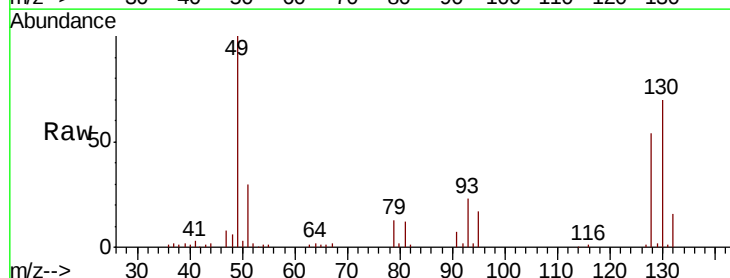
MMDadoda
9/13/2018 10:58:11 AM

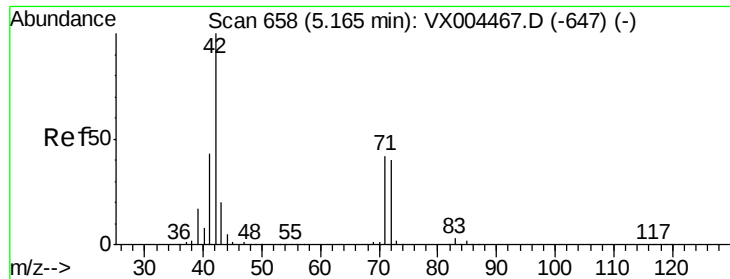


#28

Bromochloromethane
Concen: 21.64 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX004487.D
Acq: 12 Sep 2018 11:52

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	78.6	67.5	101.3





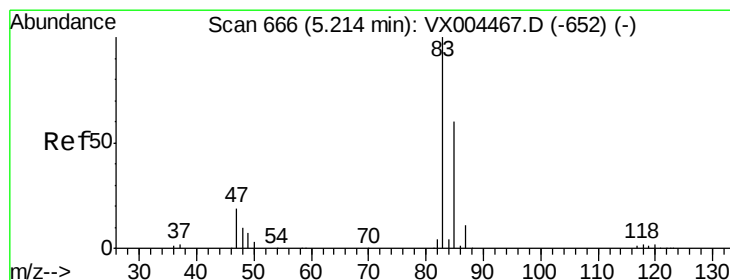
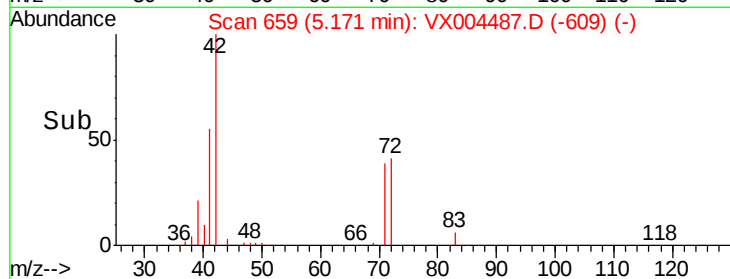
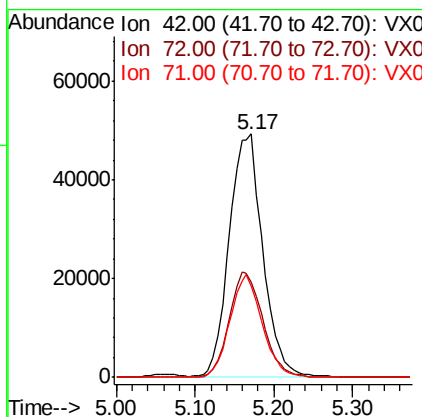
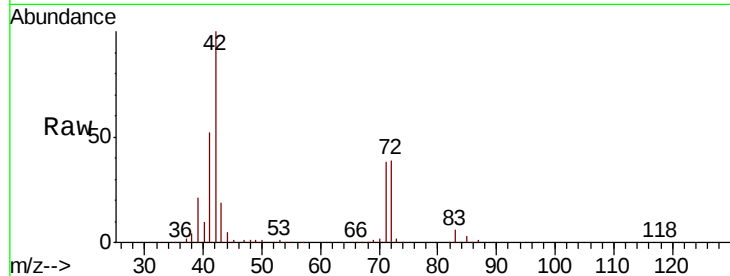
#29
Tetrahydrofuran
Concen: 104.71 ug/l
RT: 5.17 min Scan# 659
Delta R.T. 0.01 min
Lab File: VX004487.D
Acq: 12 Sep 2018 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0912WBS01

Tot Ion:	42	Resp:	145375
Ion Ratio		Lower	Upper
42	100		
72	43.8	37.4	56.0
71	40.6	34.5	51.7

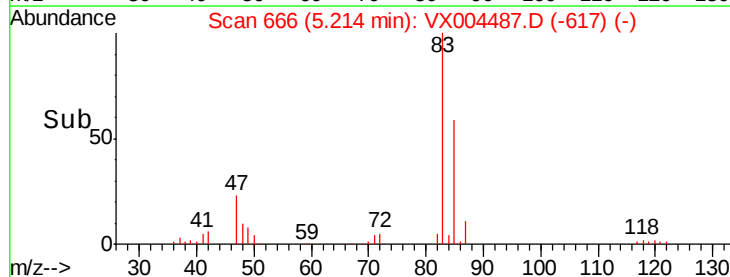
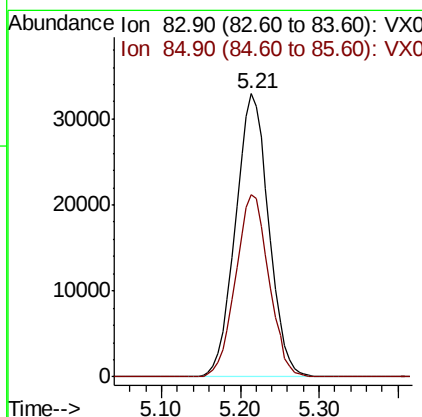
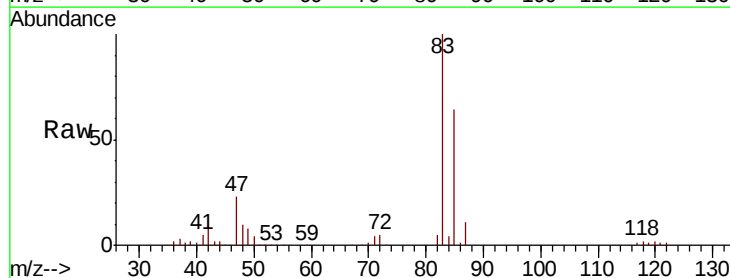
Manual Integrations
APPROVED

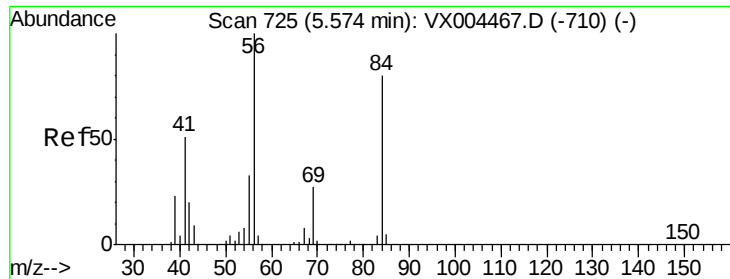
MMDadoda
9/13/2018 10:58:11 AM



#30
Chloroform
Concen: 19.65 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX004487.D
Acq: 12 Sep 2018 11:52

Tgt Ion:	83	Resp:	96326
Ion Ratio		Lower	Upper
83	100		
85	64.2	52.6	79.0





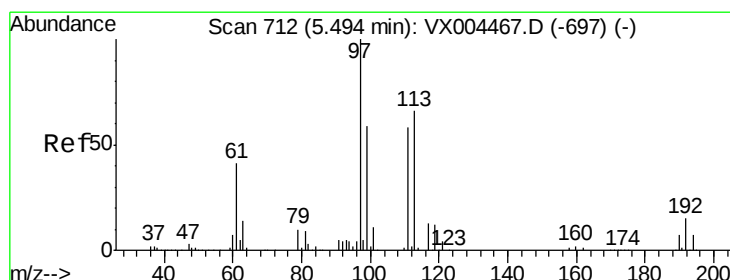
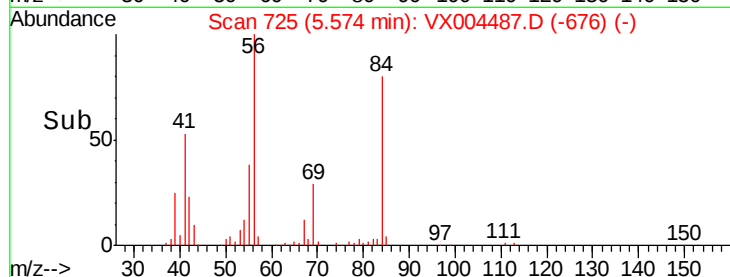
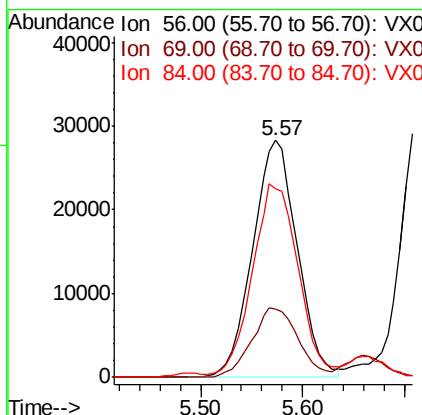
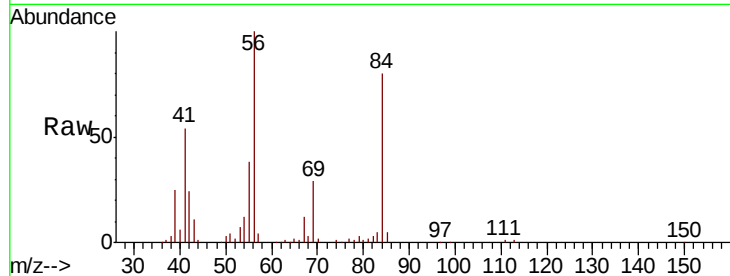
#31
Cyclohexane
Concen: 20.02 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX004487.D
Acq: 12 Sep 2018 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0912WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.8	25.4	38.2
84	78.0	71.4	107.2

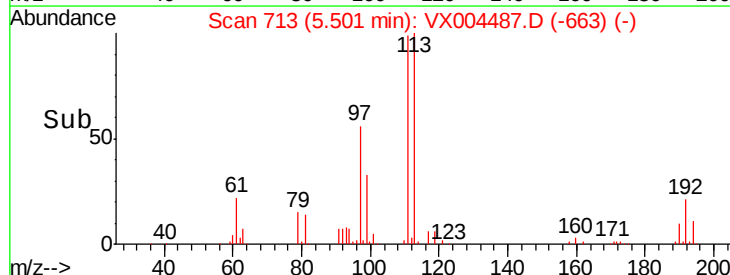
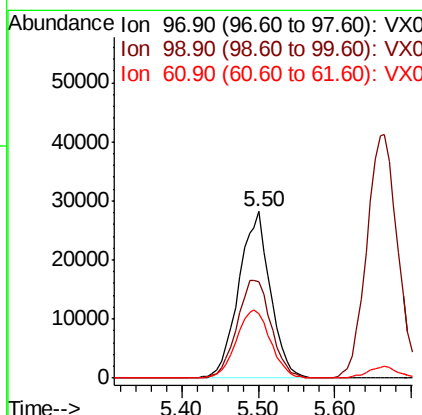
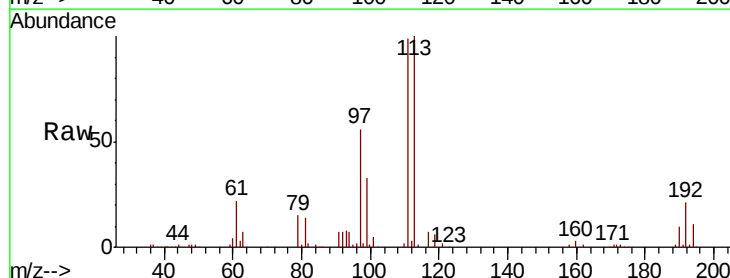
Manual Integrations
APPROVED

MMDadoda
9/13/2018 10:58:11 AM



#32
1,1,1-Trichloroethane
Concen: 20.44 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX004487.D
Acq: 12 Sep 2018 11:52

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	52.0	78.0
61	44.3	34.9	52.3





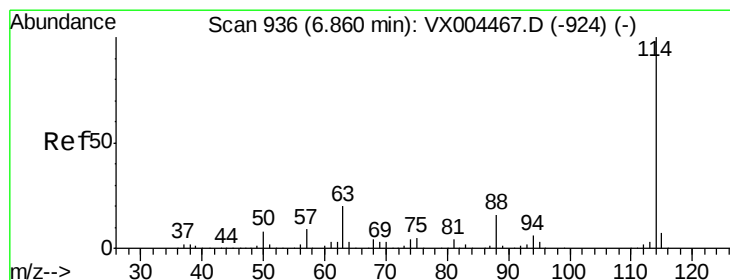
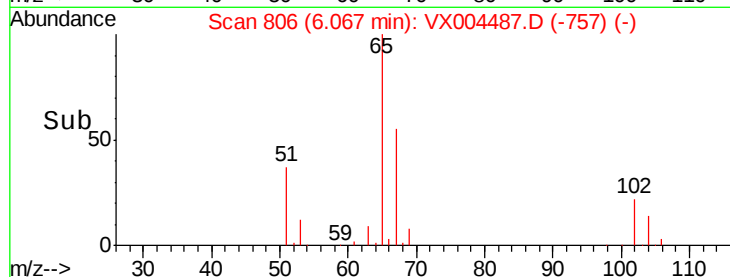
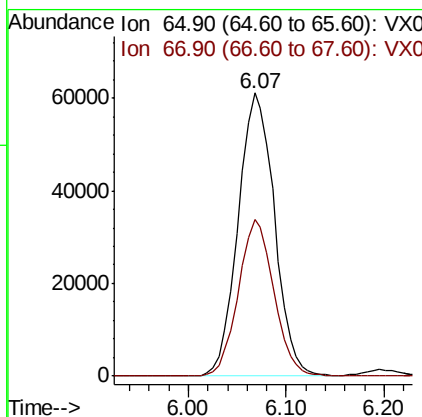
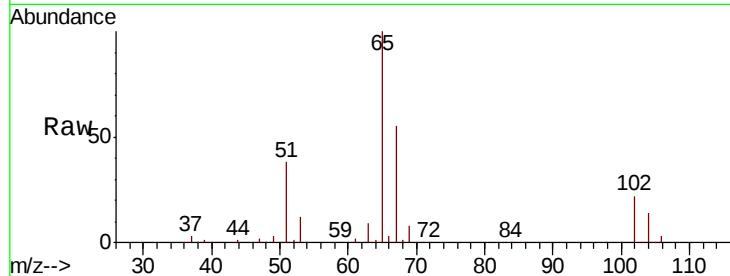
#33
 1,2-Dichloroethane-d4
 Concen: 53.13 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004487.D
 Acq: 12 Sep 2018 11:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.1	0.0	106.8

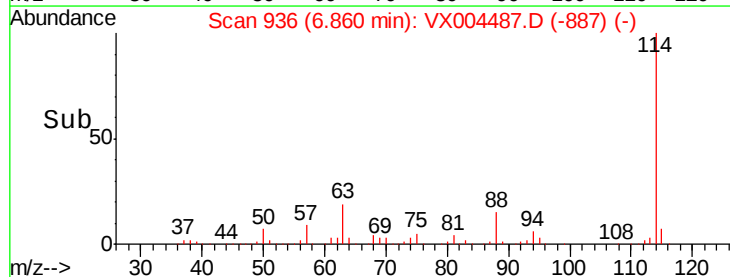
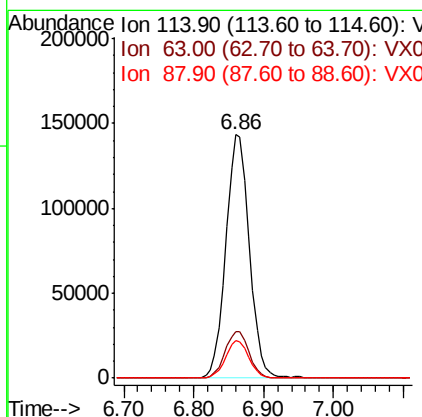
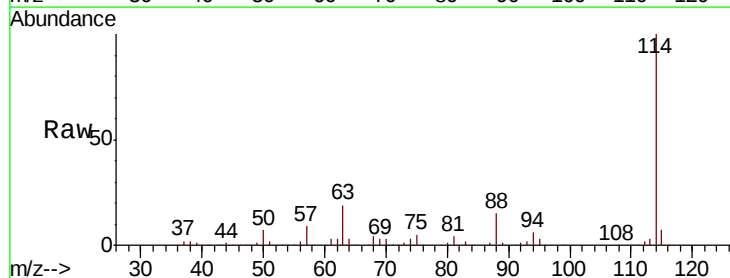
Manual Integrations
 APPROVED

MMDadoda
 9/13/2018 10:58:11 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004487.D
 Acq: 12 Sep 2018 11:52

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	39.0
88	15.3	0.0	30.4





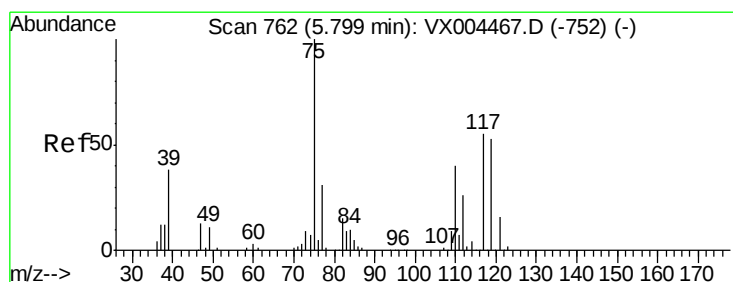
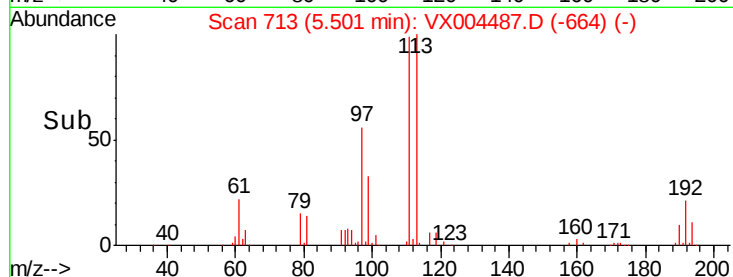
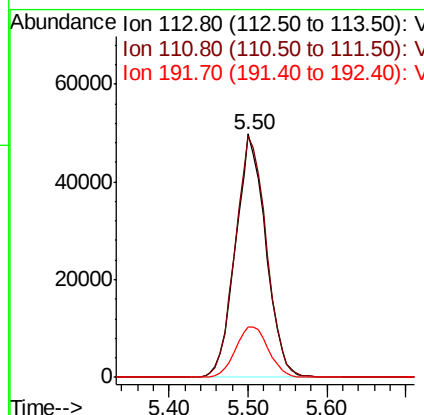
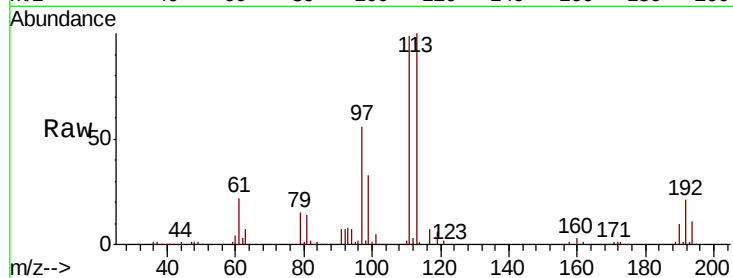
#35
 Dibromofluoromethane
 Concen: 43.48 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX004487.D
 Acq: 12 Sep 2018 11:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	133212		
111	102.0	82.4	123.6	
192	22.6	19.4	29.2	

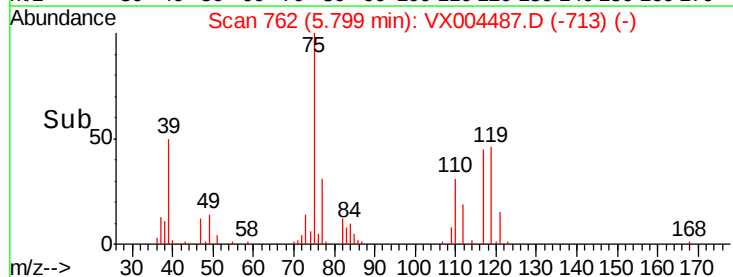
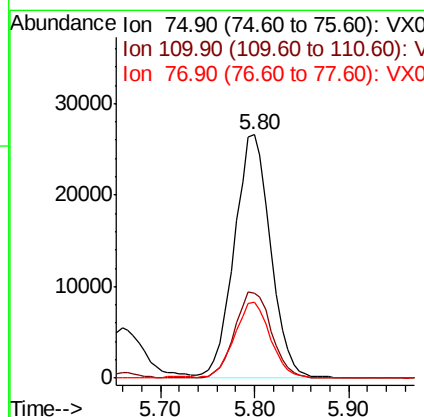
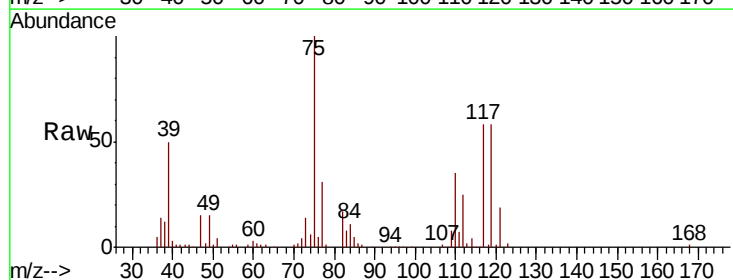
Manual Integrations
 APPROVED

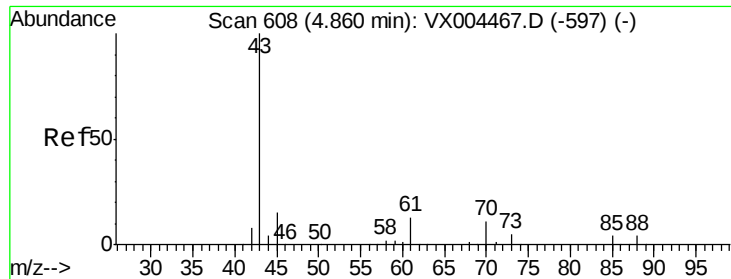
MMDadoda
 9/13/2018 10:58:11 AM



#36
 1,1-Dichloropropene
 Concen: 17.66 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX004487.D
 Acq: 12 Sep 2018 11:52

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	71778		
110	35.9	18.0	54.0	
77	30.9	24.6	36.8	





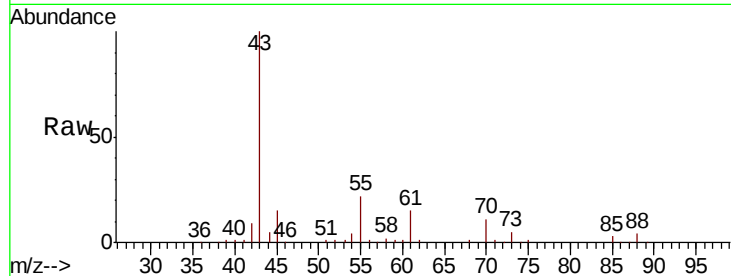
#37
Ethyl Acetate
Concen: 17.69 ug/l
RT: 4.86 min Scan# 608
Delta R.T. -0.00 min
Lab File: VX004487.D
Acq: 12 Sep 2018 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0912WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.5	17.3
70	11.0	9.0	13.6

Manual Integrations
APPROVED

MMDadoda
9/13/2018 10:58:11 AM

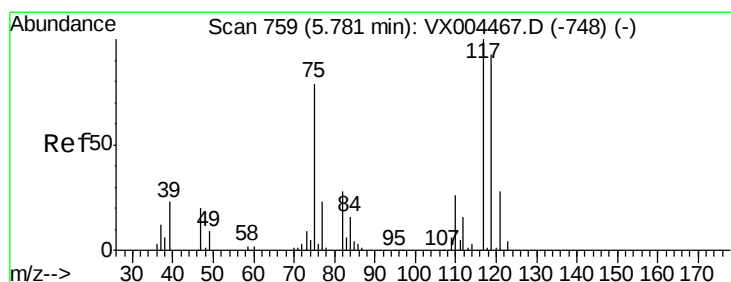
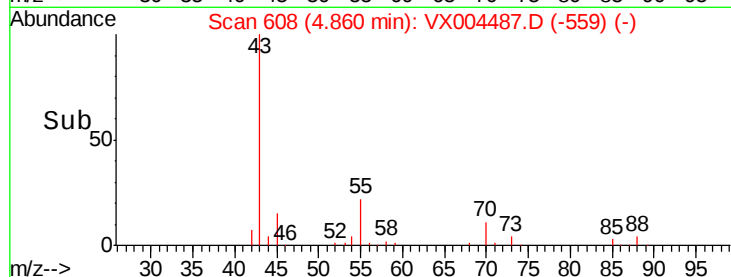
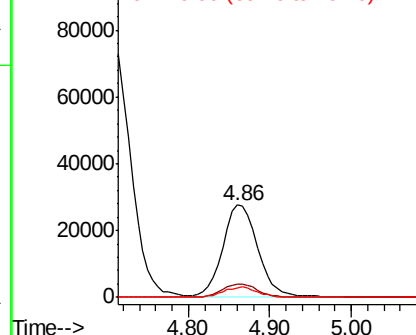


Abundance

Ion 43.00 (42.70 to 43.70): VX0

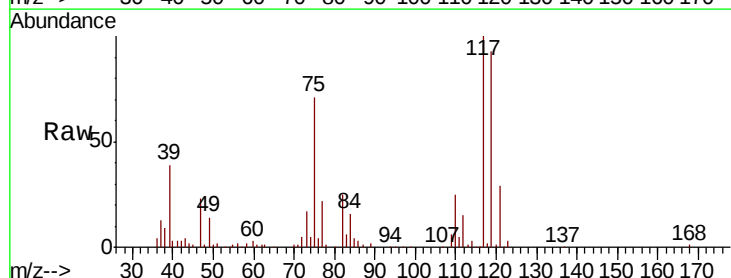
Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38
Carbon Tetrachloride
Concen: 17.71 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX004487.D
Acq: 12 Sep 2018 11:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.5	78.8	118.2
121	29.5	24.9	37.3

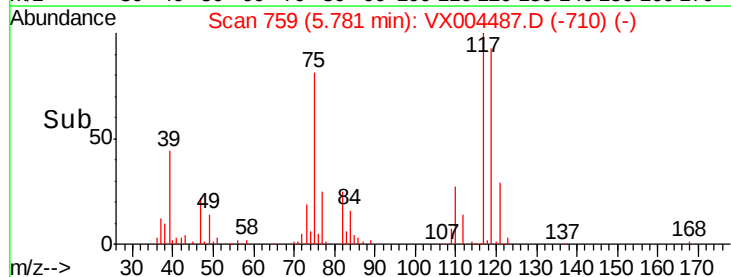
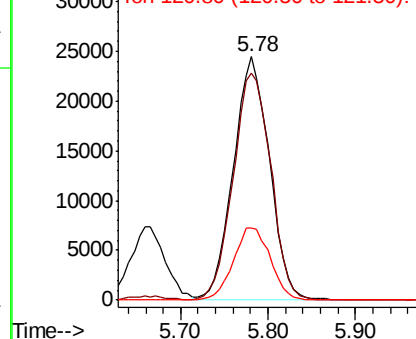


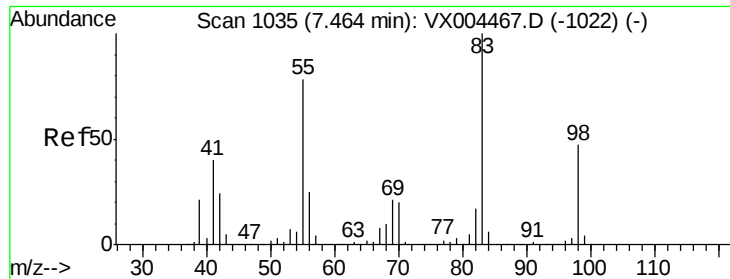
Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





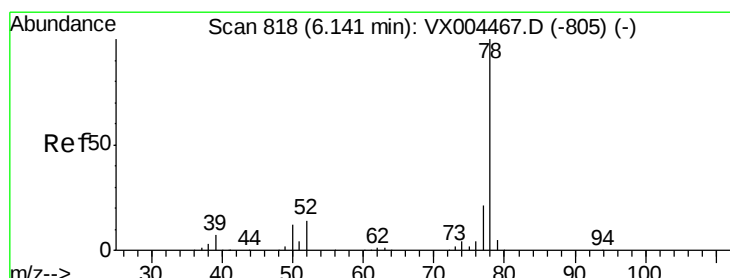
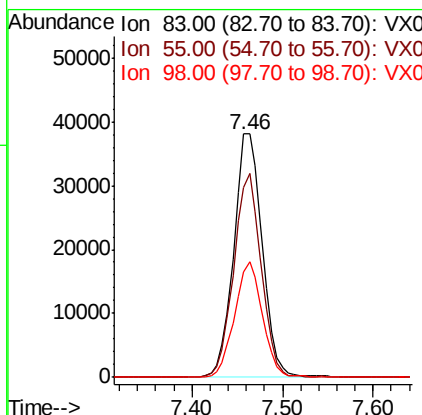
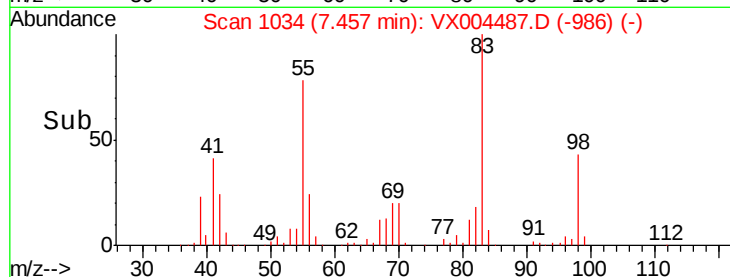
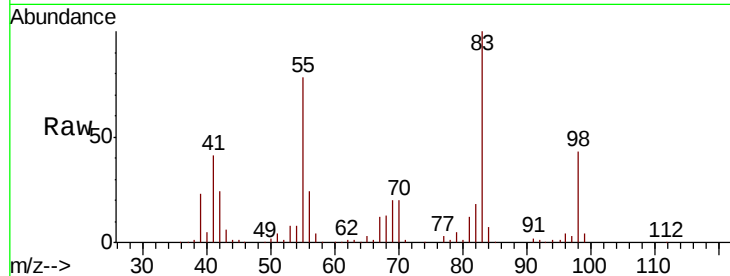
#39
Methylvlcyclohexane
Concen: 19.55 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX004487.D
Acq: 12 Sep 2018 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0912WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.1	61.0	91.4
98	43.2	39.6	59.4

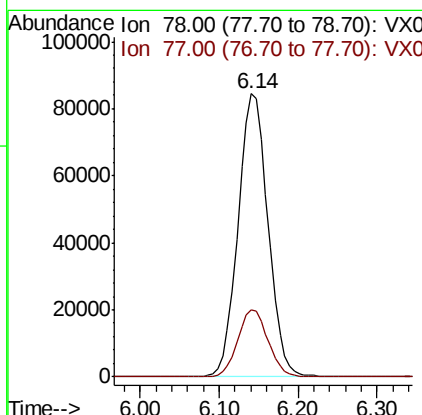
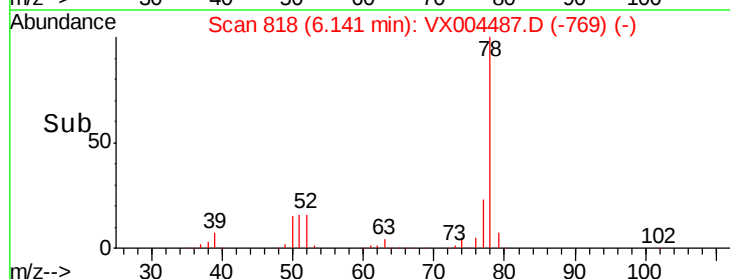
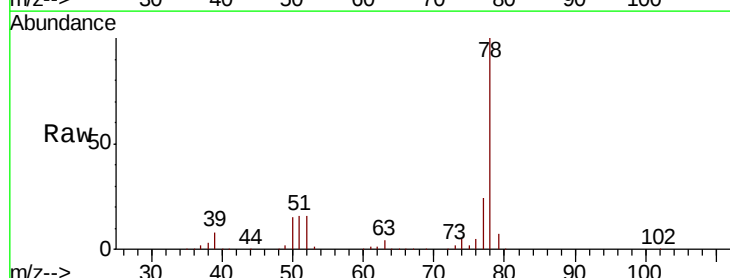
Manual Integrations
APPROVED

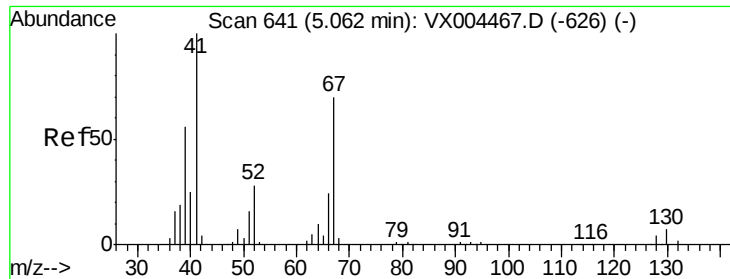
MMDadoda
9/13/2018 10:58:11 AM



#40
Benzene
Concen: 18.50 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX004487.D
Acq: 12 Sep 2018 11:52

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.4





#41

Methacrylonitrile

Concen: 18.22 ug/l

RT: 5.06 min Scan# 641

Delta R.T. -0.00 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

Instrument :

MSVOA_X

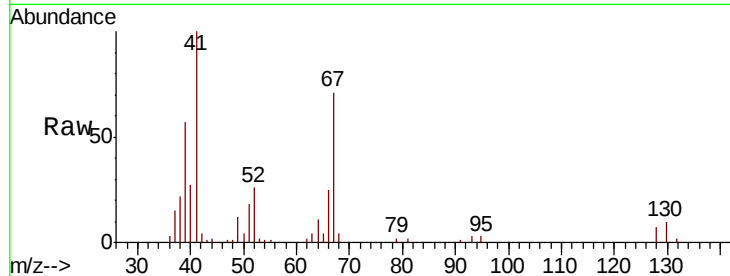
ClientSampleId :

VX0912WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.1	42.4	63.6	
67	69.8	59.2	88.8	
52	29.1	23.0	34.4	

Manual Integrations
APPROVED

MMDadoda
9/13/2018 10:58:11 AM



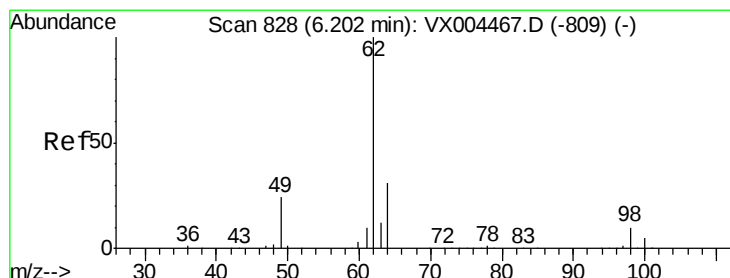
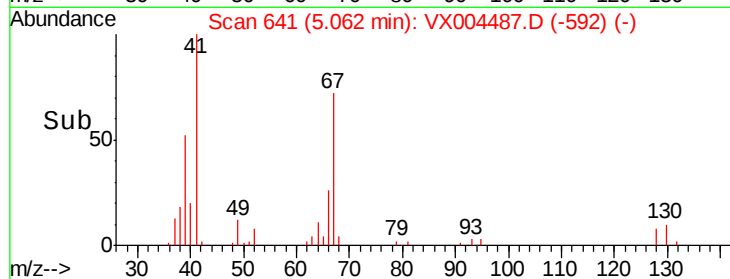
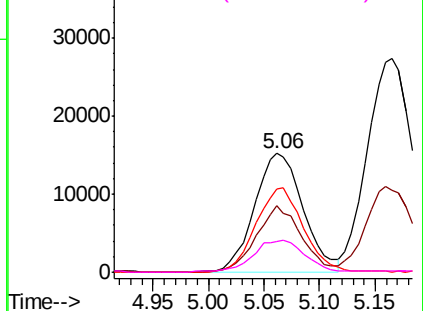
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 18.58 ug/l

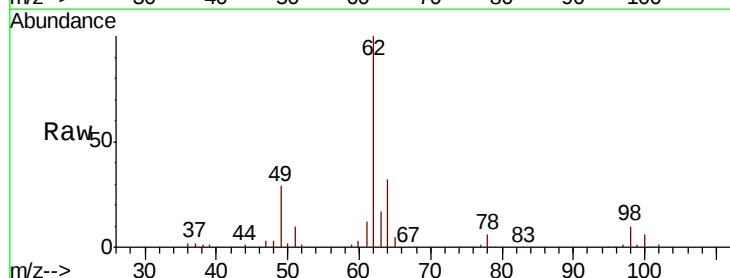
RT: 6.20 min Scan# 827

Delta R.T. -0.01 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

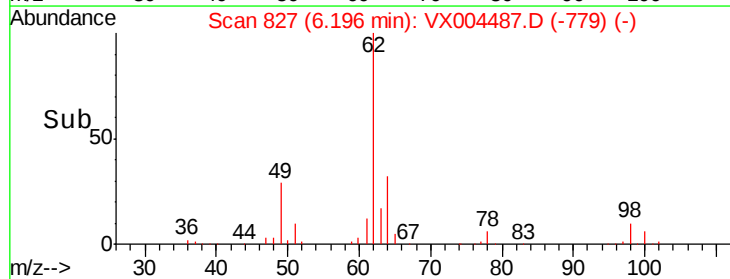
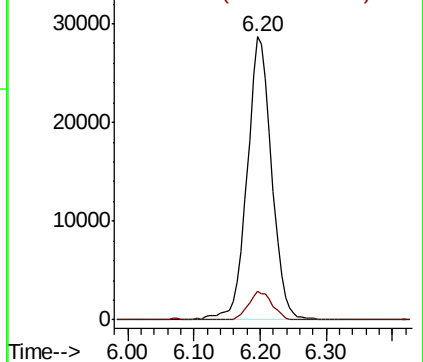
Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.8	0.0	20.6	

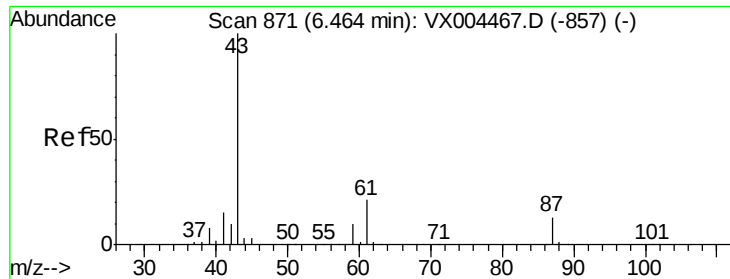


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

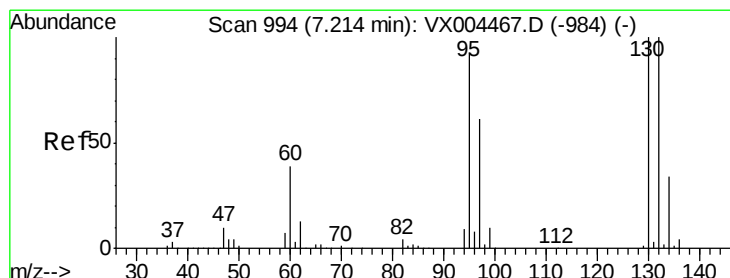
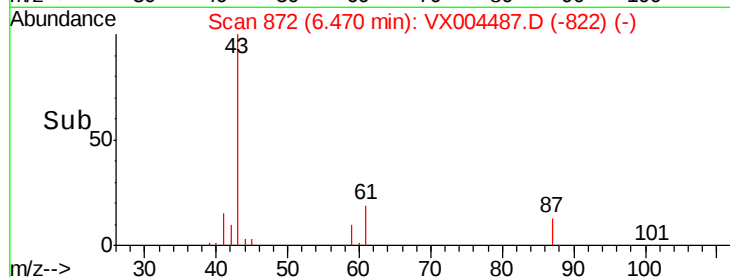
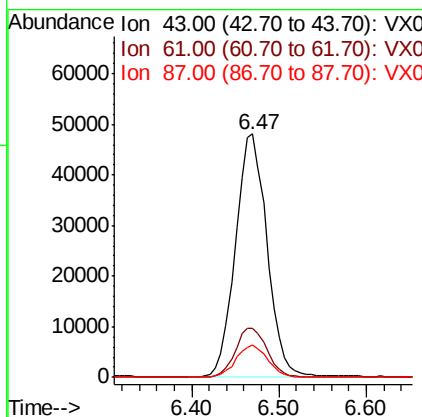
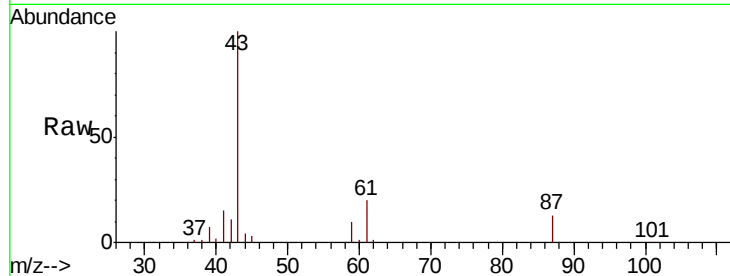
Isopropyl Acetate
 Concen: 19.66 ug/l
 RT: 6.47 min Scan# 872
 Delta R.T. 0.01 min
 Lab File: VX004487.D
 Acq: 12 Sep 2018 11:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912WBS01

Tot Ion	43	61	87
Resp	120743		
Ratio	100	20.7	13.4
Lower		17.0	11.4
Upper		25.4	17.2

Manual Integrations
 APPROVED

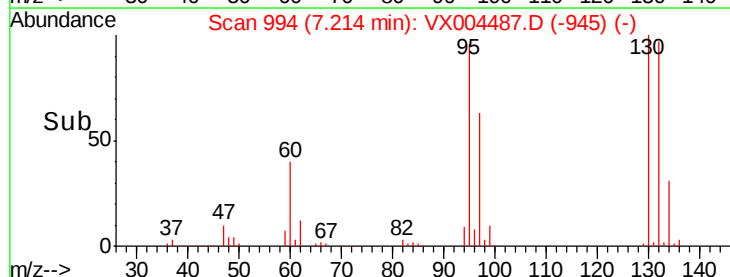
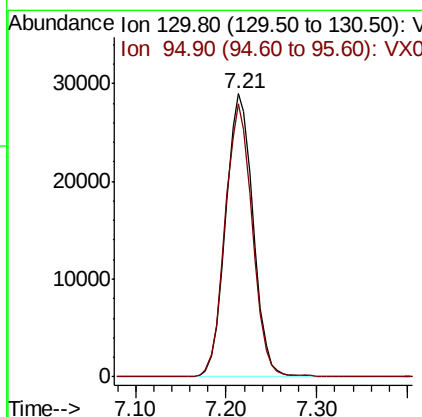
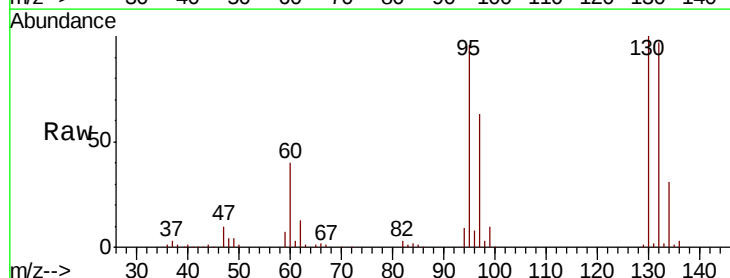
MMDadoda
 9/13/2018 10:58:11 AM

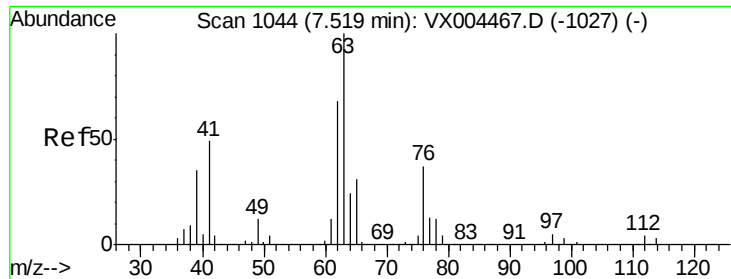


#44

Trichloroethene
 Concen: 19.40 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX004487.D
 Acq: 12 Sep 2018 11:52

Tgt Ion	130	95
Resp	60804	
Ratio	100	96.3
Lower		0.0
Upper		181.6





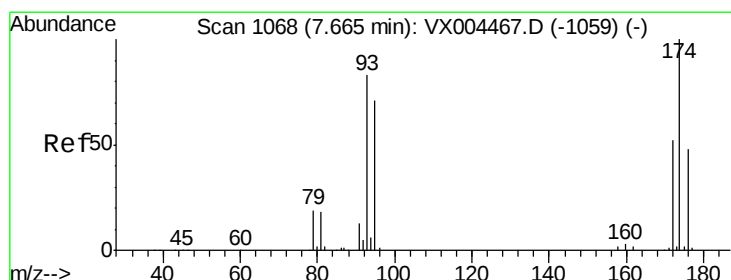
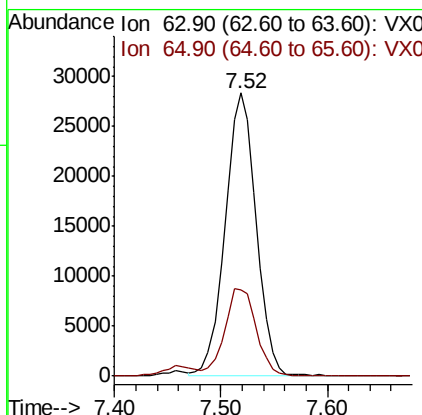
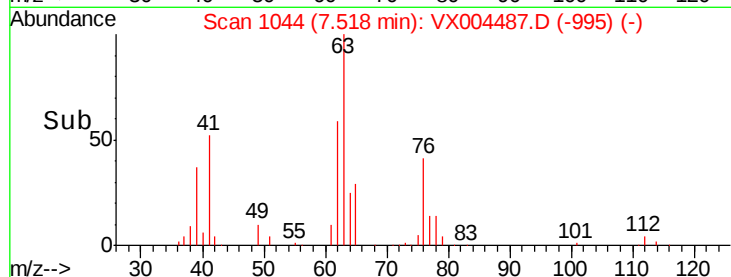
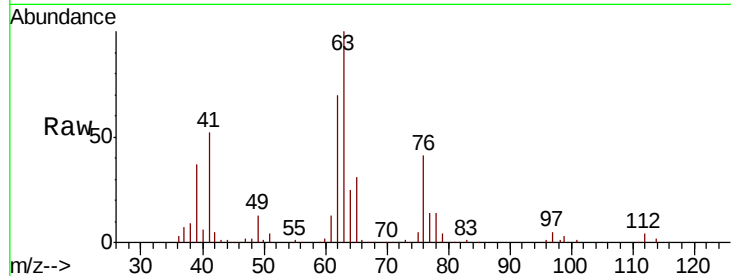
#45
 1,2-Dichloropropane
 Concen: 19.93 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX004487.D
 Acq: 12 Sep 2018 11:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912WBS01

Tot Ion: 63 Resp: 57840
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.3 36.5

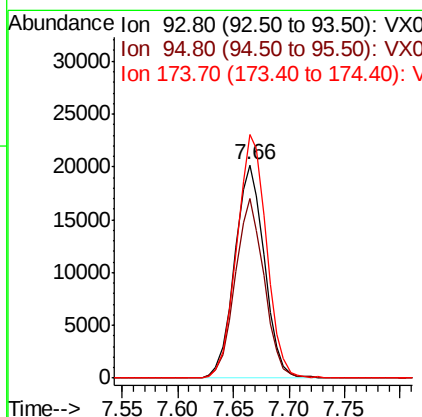
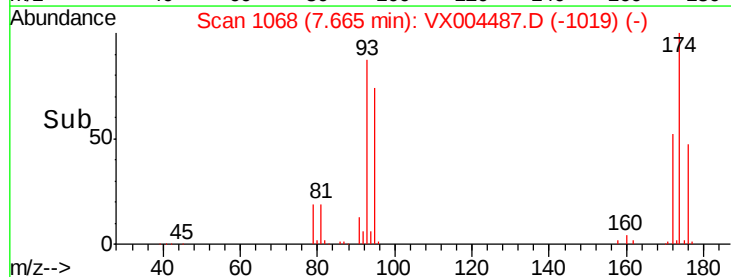
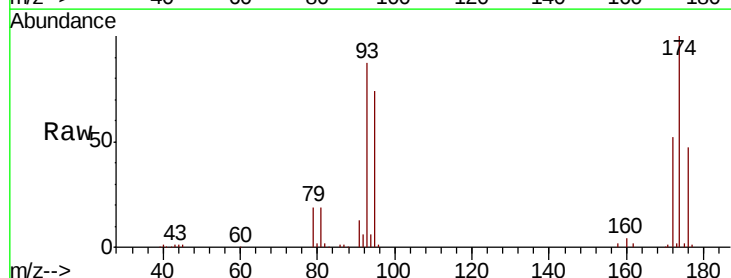
Manual Integrations
 APPROVED

MMDadoda
 9/13/2018 10:58:11 AM



#46
 Dibromomethane
 Concen: 20.25 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VX004487.D
 Acq: 12 Sep 2018 11:52

Tgt Ion: 93 Resp: 37137
 Ion Ratio Lower Upper
 93 100
 95 82.8 65.5 98.3
 174 115.1 94.2 141.4





#47

Bromodichloromethane

Concen: 19.83 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

Instrument :

MSVOA_X

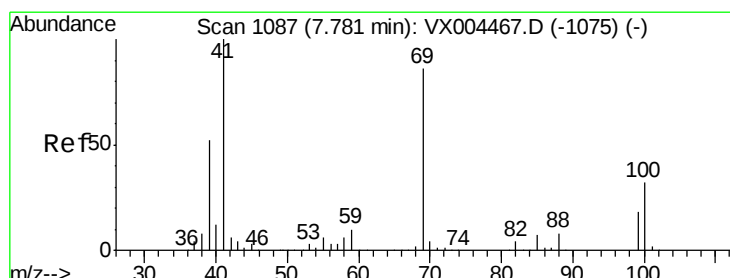
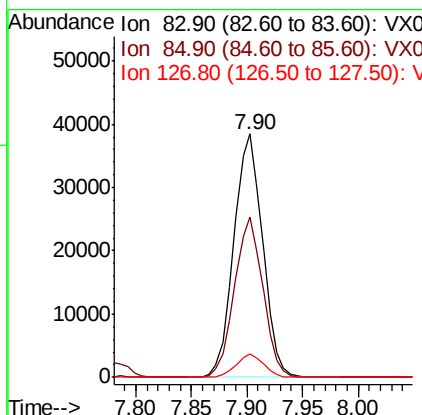
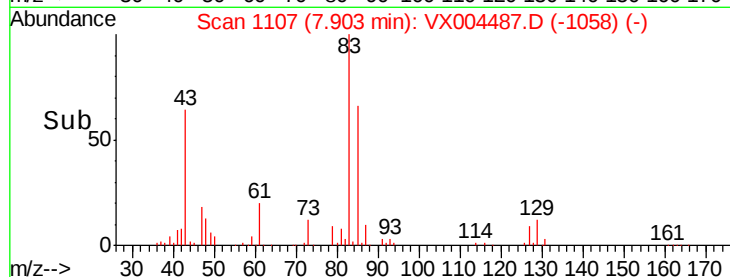
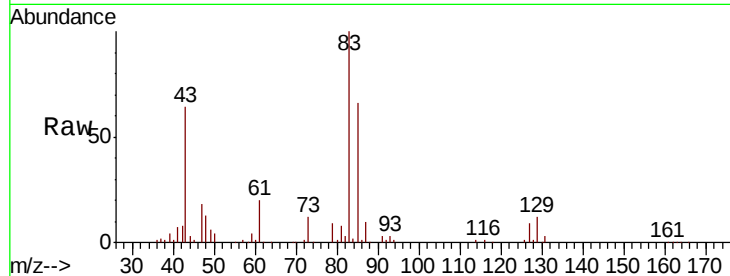
ClientSampleId :

VX0912WBS01

Tot Ion:	83	Resp:	68766
Ion	Ratio	Lower	Upper
83	100		
85	66.0	50.9	76.3
127	9.4	7.3	10.9

Manual Integrations
APPROVED

MMDadoda
9/13/2018 10:58:11 AM



#48

Methyl methacrylate

Concen: 20.48 ug/l

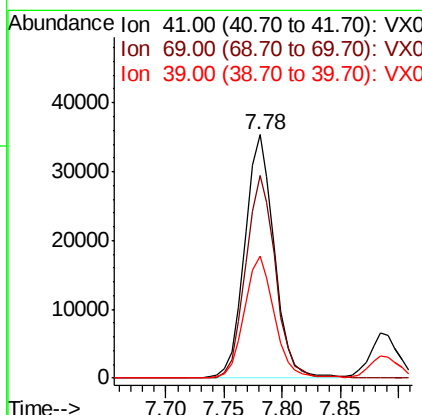
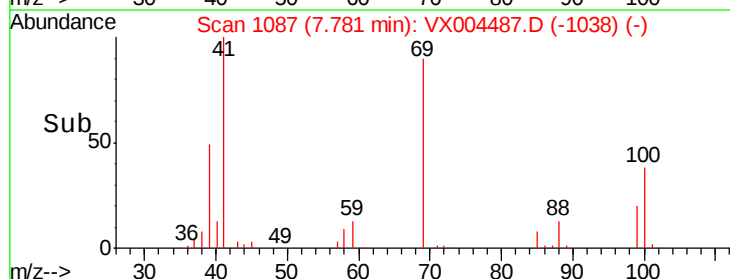
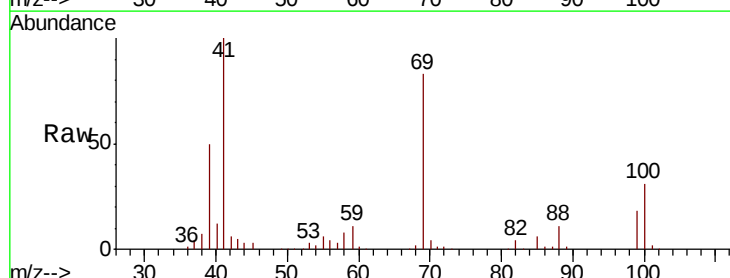
RT: 7.78 min Scan# 1087

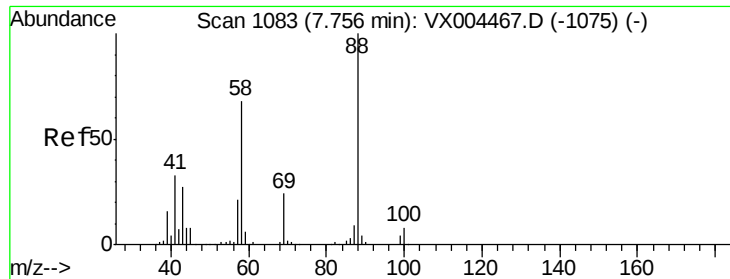
Delta R.T. -0.00 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

Tgt Ion:	41	Resp:	62231
Ion	Ratio	Lower	Upper
41	100		
69	84.1	70.2	105.4
39	51.5	42.7	64.1





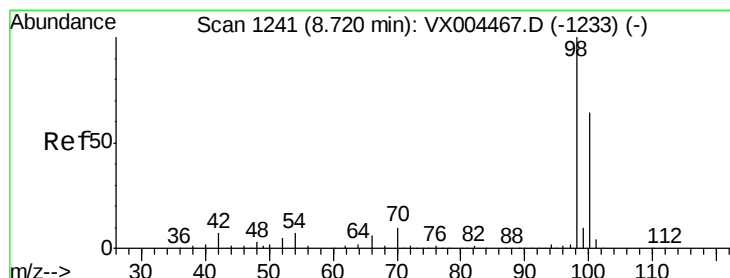
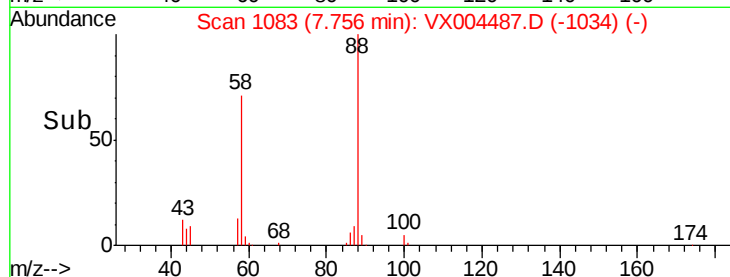
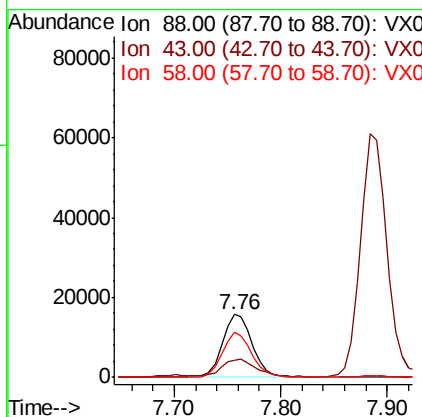
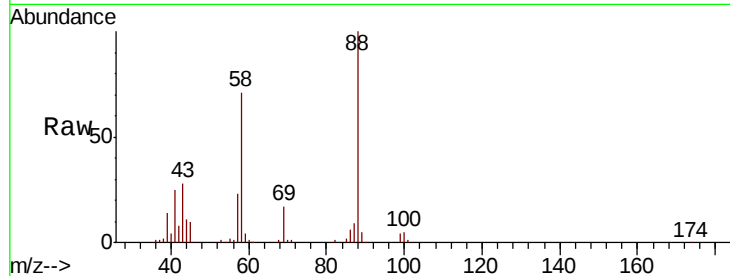
#49
1,4-Dioxane
Concen: 426.55 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX004487.D
Acq: 12 Sep 2018 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0912WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.1	24.7	37.1
58	71.1	55.3	82.9

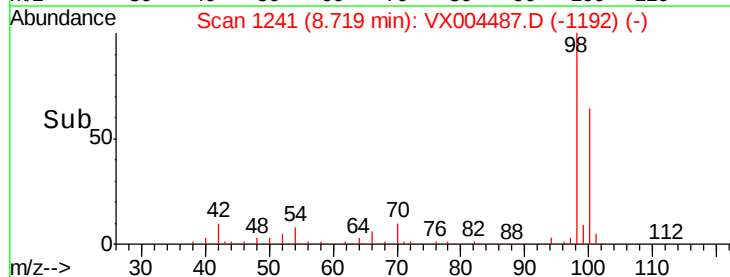
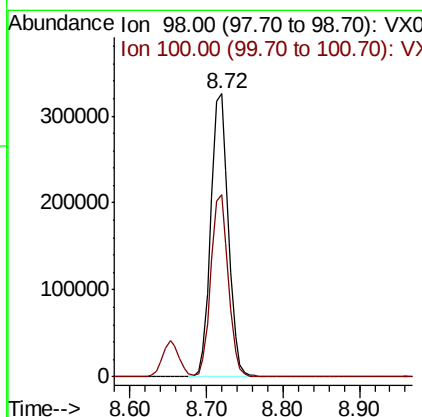
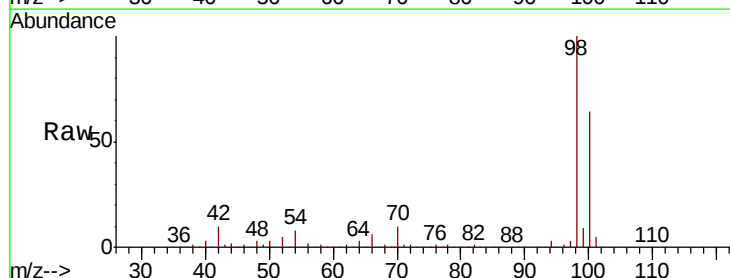
Manual Integrations
APPROVED

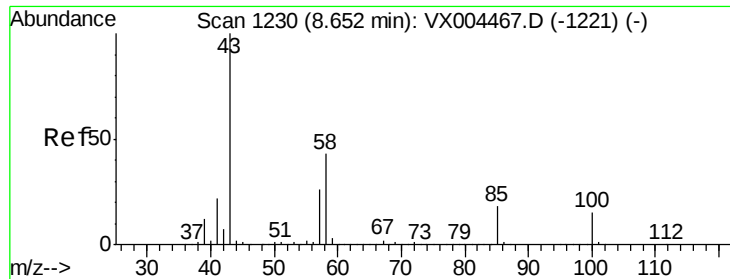
MMDadoda
9/13/2018 10:58:11 AM



#50
Toluene-d8
Concen: 50.23 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX004487.D
Acq: 12 Sep 2018 11:52

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.9	79.3





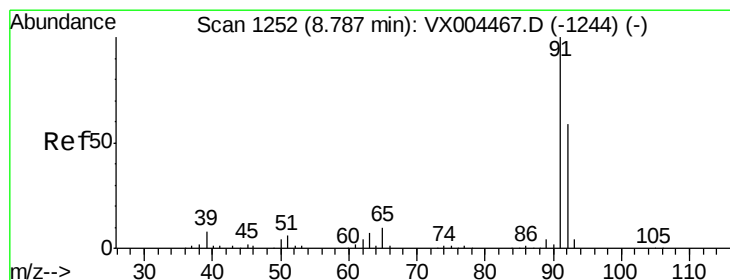
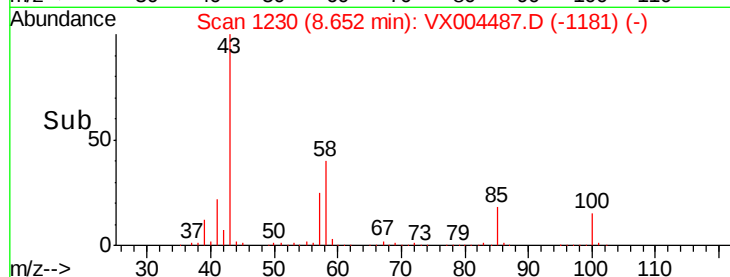
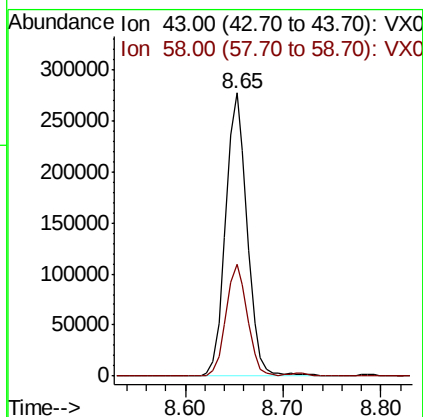
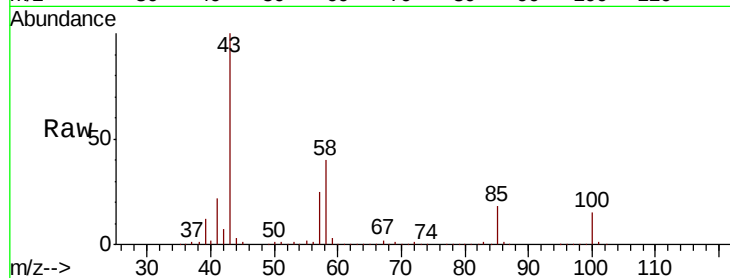
#51
4-Methyl-2-Pentanone
Concen: 97.62 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. -0.00 min
Lab File: VX004487.D
Acq: 12 Sep 2018 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0912WBS01

Tot Ion: 43 Resp: 423023
Ion Ratio Lower Upper
43 100
58 39.2 33.1 49.7

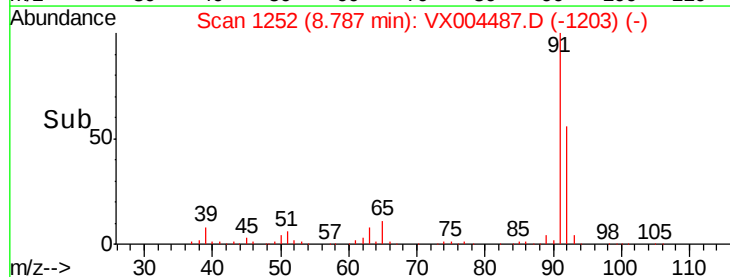
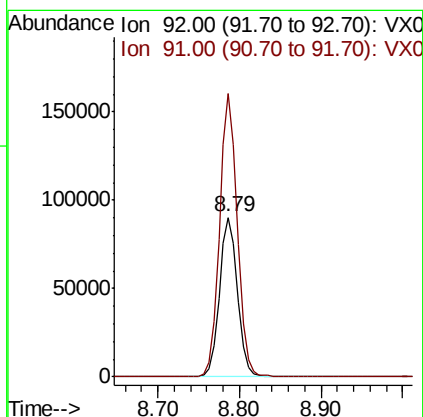
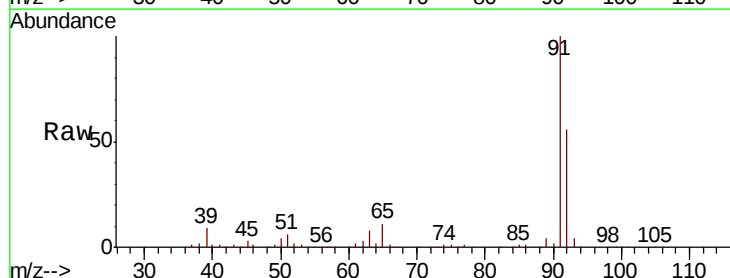
Manual Integrations
APPROVED

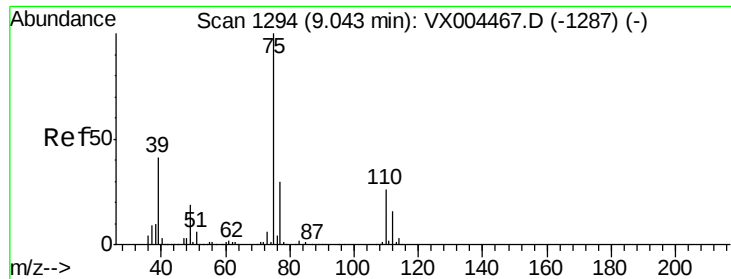
MMDadoda
9/13/2018 10:58:11 AM



#52
Toluene
Concen: 19.52 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX004487.D
Acq: 12 Sep 2018 11:52

Tgt Ion: 92 Resp: 138692
Ion Ratio Lower Upper
92 100
91 175.5 136.4 204.6





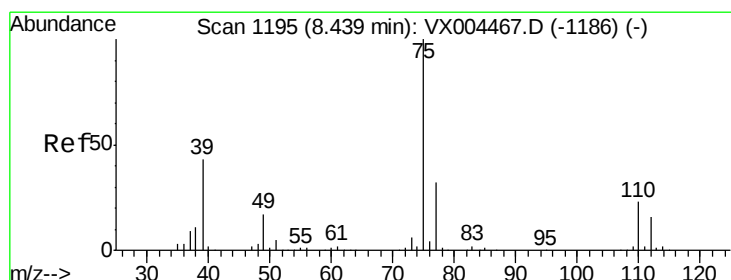
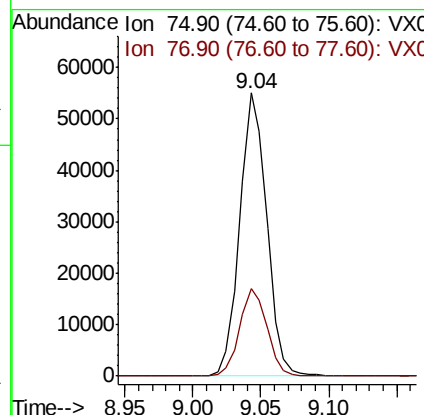
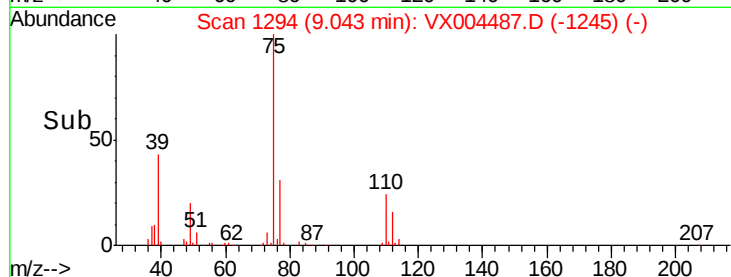
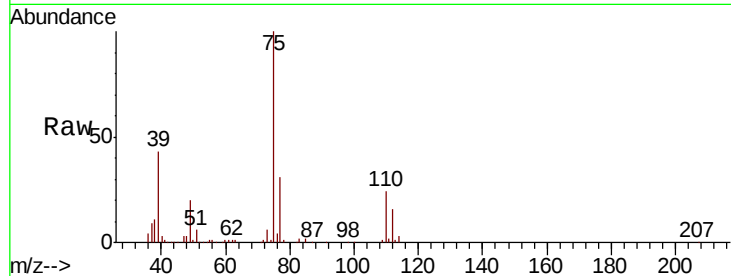
#53
t-1,3-Dichloropropene
Concen: 18.80 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX004487.D
Acq: 12 Sep 2018 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0912WBS01

Tot Ion: 75 Resp: 76133
Ion Ratio Lower Upper
75 100
77 30.9 24.6 37.0

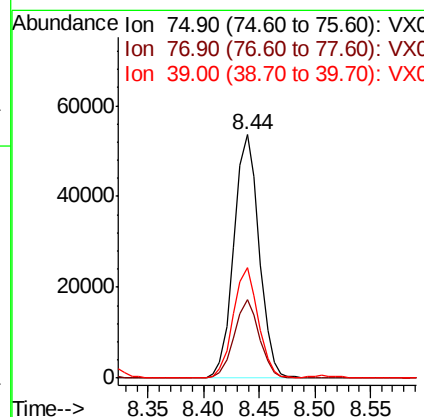
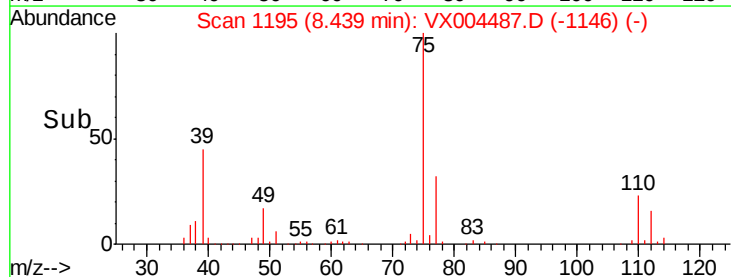
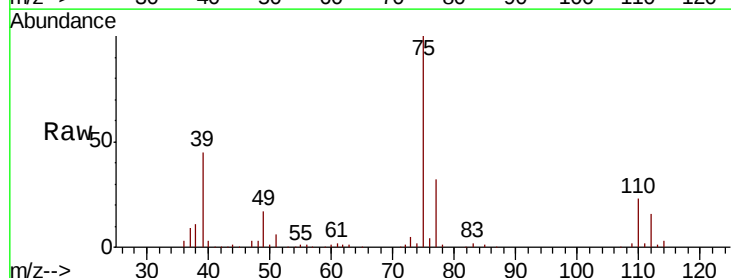
Manual Integrations
APPROVED

MMDadoda
9/13/2018 10:58:11 AM



#54
cis-1,3-Dichloropropene
Concen: 20.46 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. -0.00 min
Lab File: VX004487.D
Acq: 12 Sep 2018 11:52

Tgt Ion: 75 Resp: 84476
Ion Ratio Lower Upper
75 100
77 32.1 26.2 39.2
39 45.0 36.4 54.6





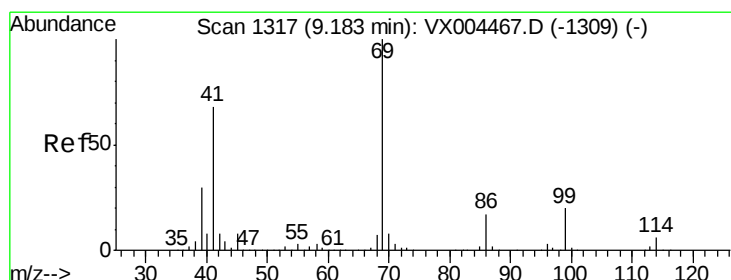
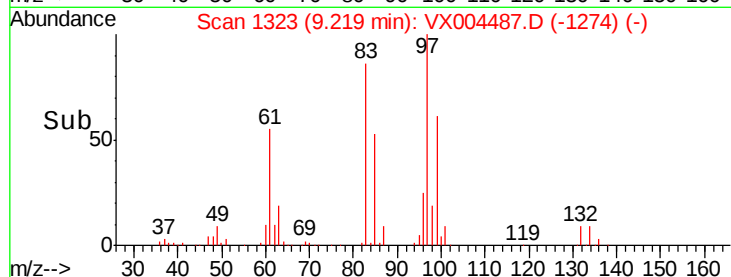
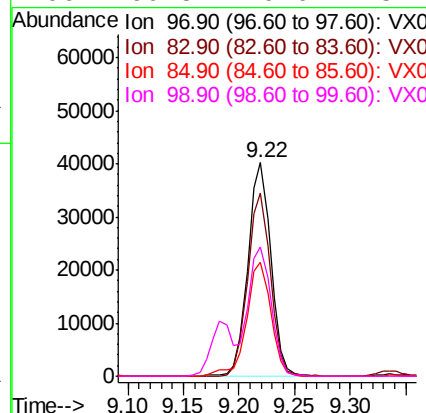
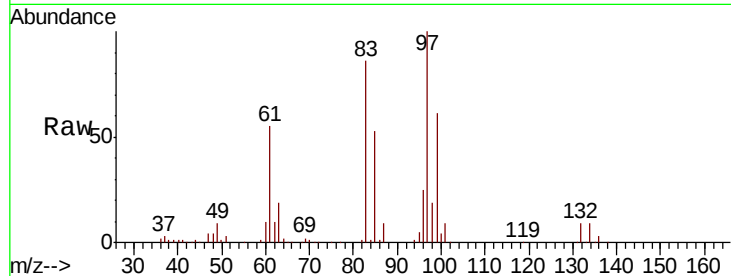
#55
 1,1,2-Trichloroethane
 Concen: 18.81 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VX004487.D
 Acq: 12 Sep 2018 11:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		57545		
83	85.7	66.4	99.6		
85	53.2	43.3	64.9		
99	60.8	49.0	73.4		

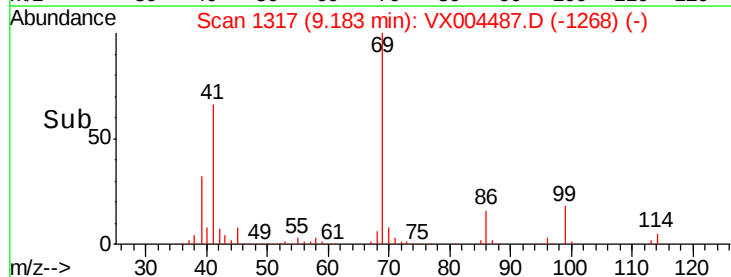
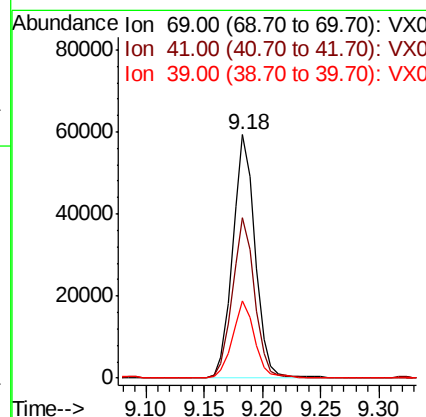
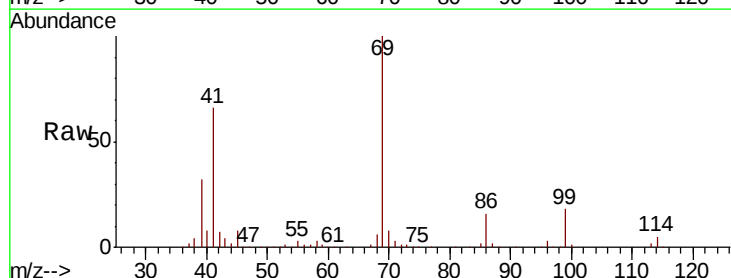
Manual Integrations
 APPROVED

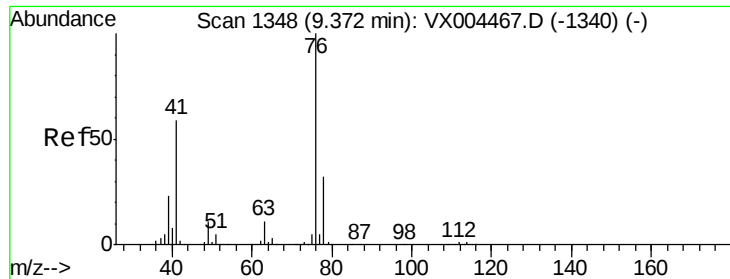
MMDadoda
 9/13/2018 10:58:11 AM



#56
 Ethyl methacrylate
 Concen: 18.32 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX004487.D
 Acq: 12 Sep 2018 11:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		79307		
41	65.8	51.0	76.4		
39	31.3	26.1	39.1		





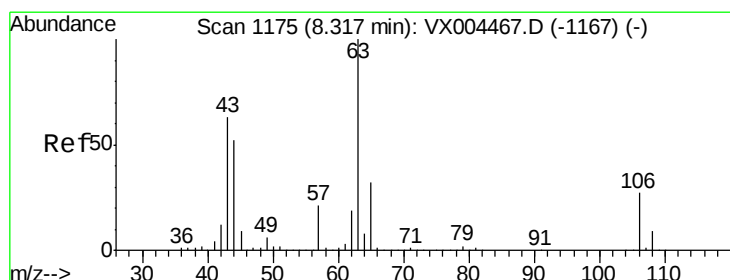
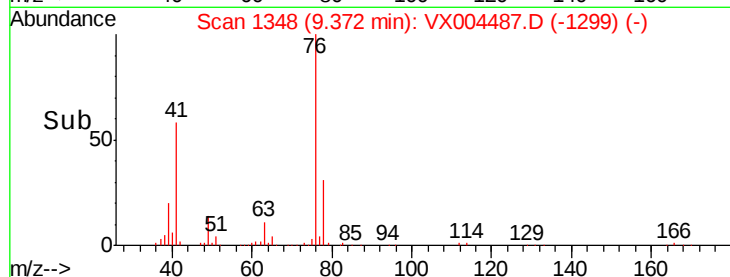
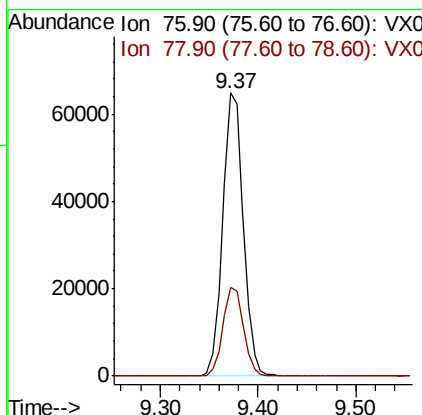
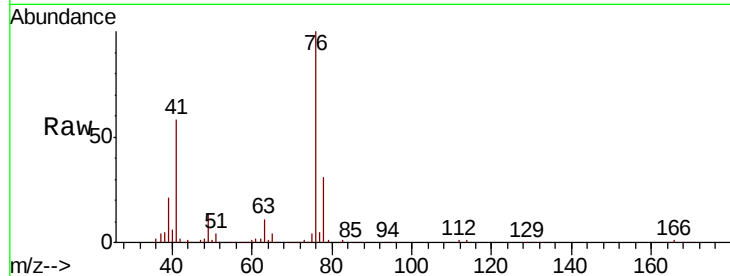
#57
 1,3-Dichloropropane
 Concen: 19.03 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX004487.D
 Acq: 12 Sep 2018 11:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912WBS01

Tot Ion: 76 Resp: 94610
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.5 38.3

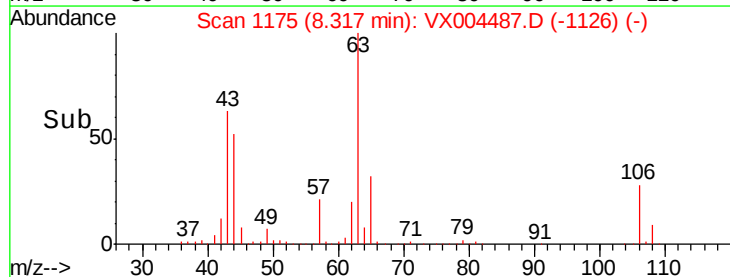
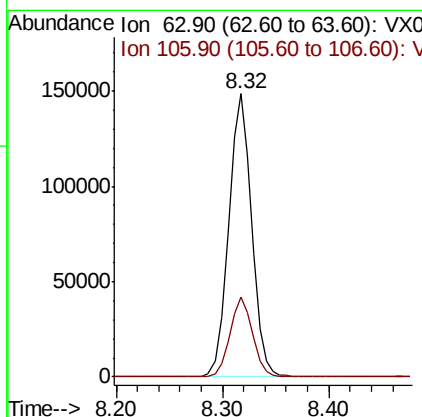
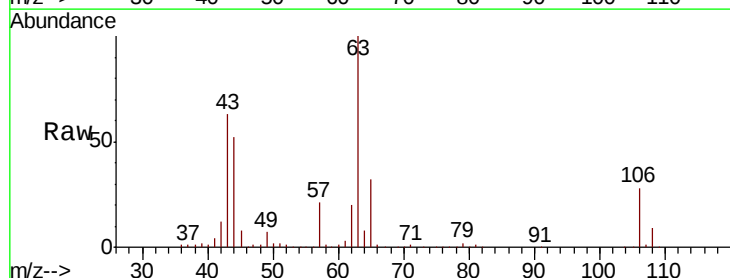
Manual Integrations
 APPROVED

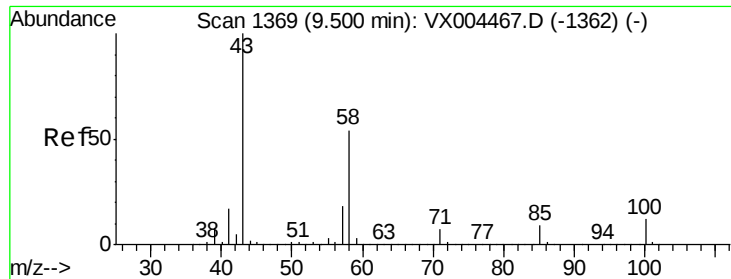
MMDadoda
 9/13/2018 10:58:11 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 106.10 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VX004487.D
 Acq: 12 Sep 2018 11:52

Tgt Ion: 63 Resp: 224487
 Ion Ratio Lower Upper
 63 100
 106 27.7 23.9 35.9





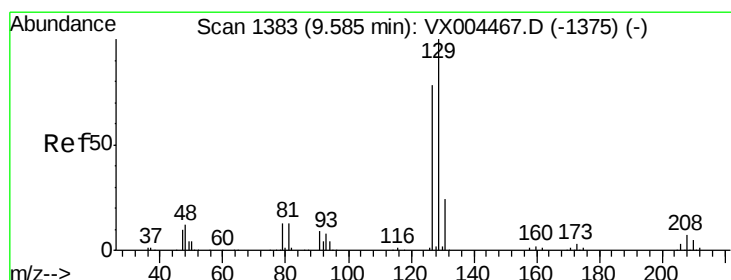
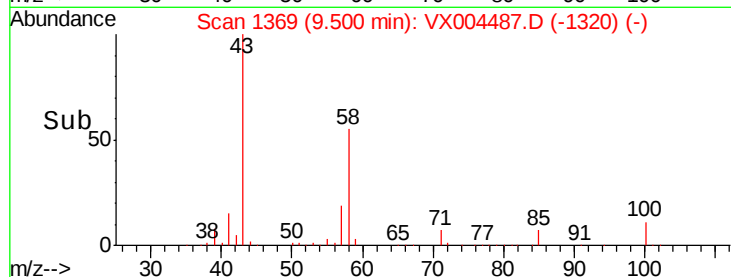
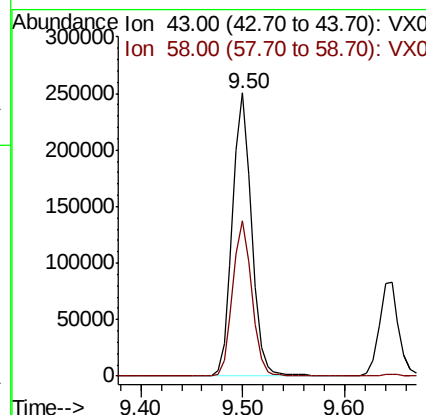
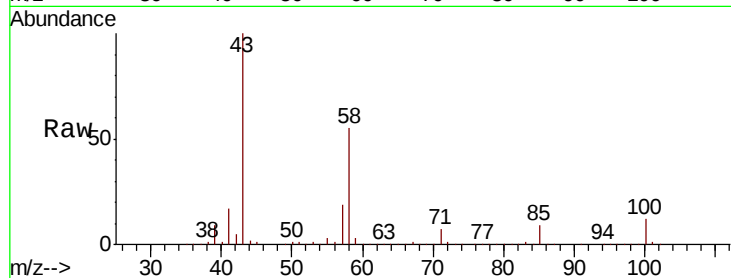
#59
2-Hexanone
Concen: 97.87 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX004487.D
Acq: 12 Sep 2018 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0912WBS01

Tot Ion: 43 Resp: 325333
Ion Ratio Lower Upper
43 100
58 54.7 29.0 87.0

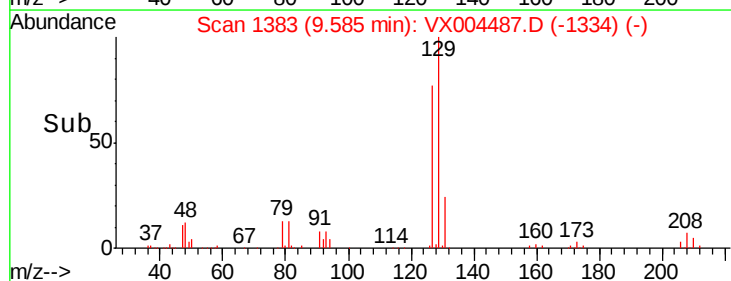
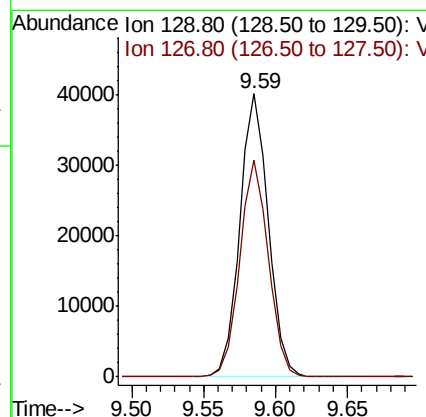
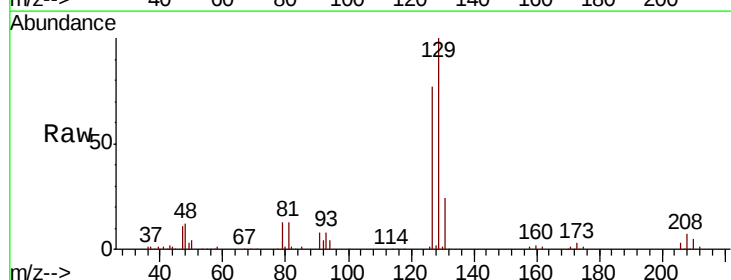
Manual Integrations
APPROVED

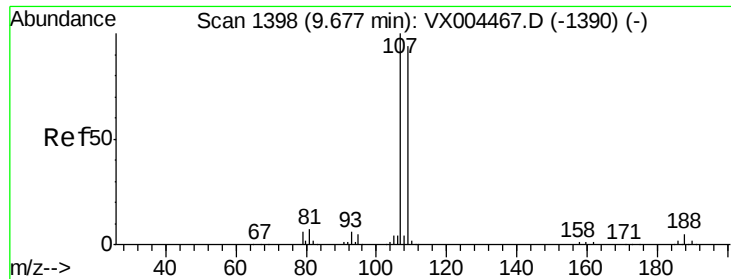
MMDadoda
9/13/2018 10:58:11 AM



#60
Dibromochloromethane
Concen: 19.24 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX004487.D
Acq: 12 Sep 2018 11:52

Tgt Ion: 129 Resp: 55413
Ion Ratio Lower Upper
129 100
127 76.6 38.5 115.5





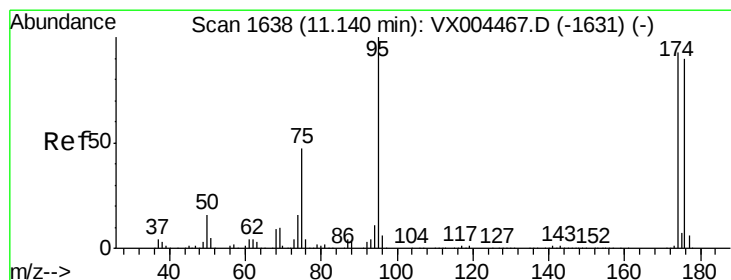
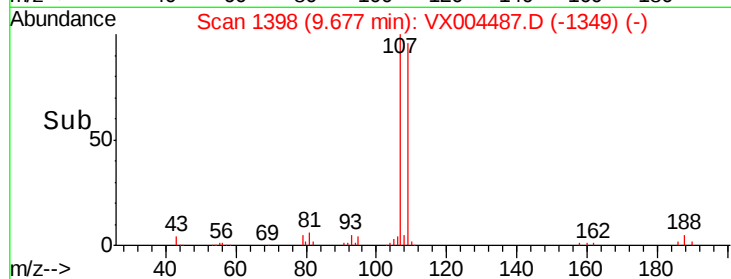
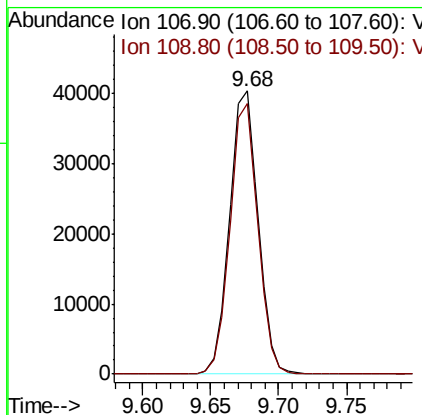
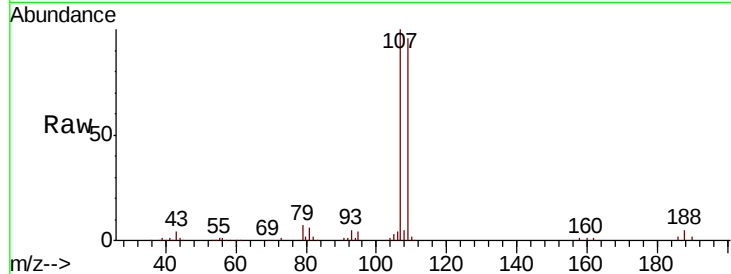
#61
 1,2-Dibromoethane
 Concen: 20.10 ug/l
 RT: 9.68 min Scan# 1398
 Delta R.T. -0.00 min
 Lab File: VX004487.D
 Acq: 12 Sep 2018 11:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	76.0	114.0

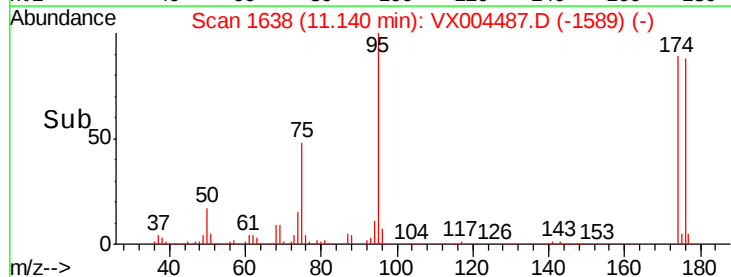
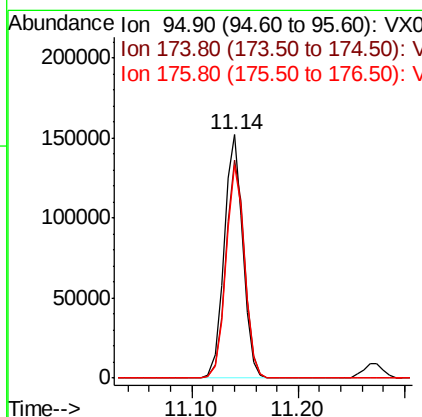
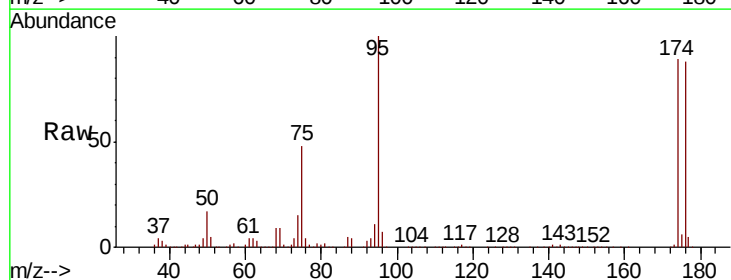
Manual Integrations
 APPROVED

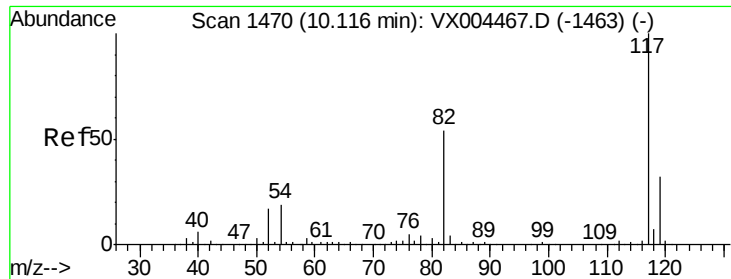
MMDadoda
 9/13/2018 10:58:11 AM



#62
 4-Bromofluorobenzene
 Concen: 50.63 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: VX004487.D
 Acq: 12 Sep 2018 11:52

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.3	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: VX004487.D

Acq: 12 Sep 2018 11:52

Instrument :

MSVOA_X

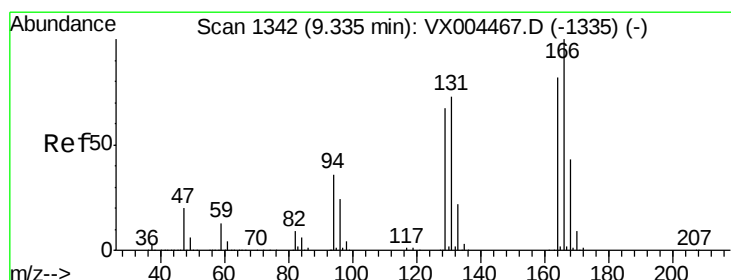
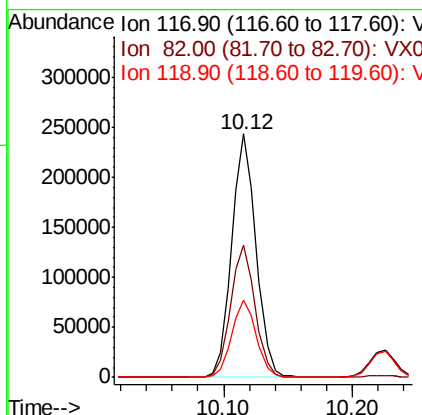
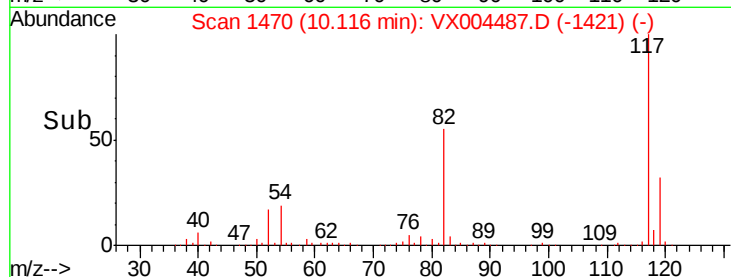
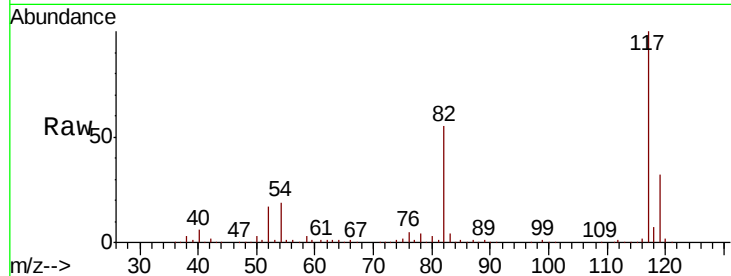
ClientSampleId :

VX0912WBS01

Tot Ion:	117	Resp:	321237
Ion Ratio	Lower	Upper	
117	100		
82	54.5	47.8	71.6
119	31.8	29.3	43.9

Manual Integrations
APPROVED

MMDadoda
9/13/2018 10:58:11 AM



#64

Tetrachloroethene

Concen: 17.68 ug/l

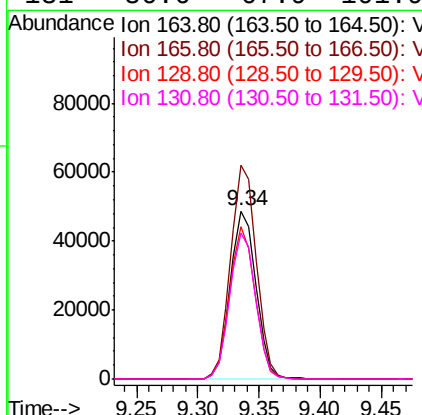
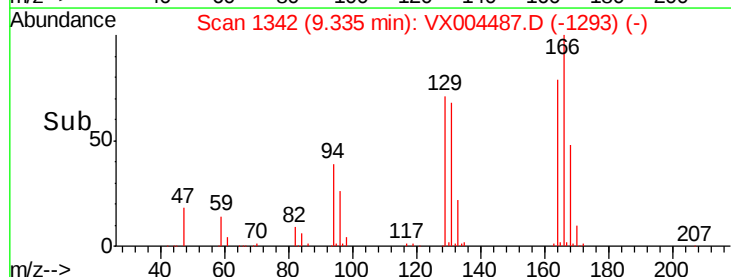
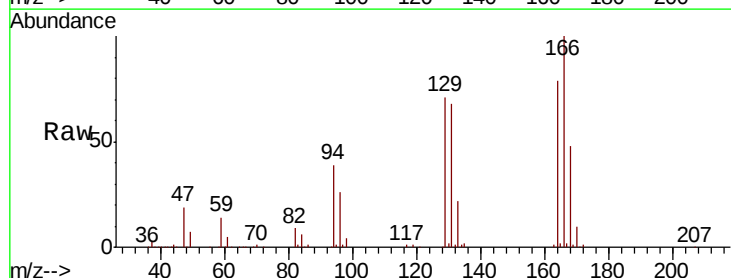
RT: 9.34 min Scan# 1342

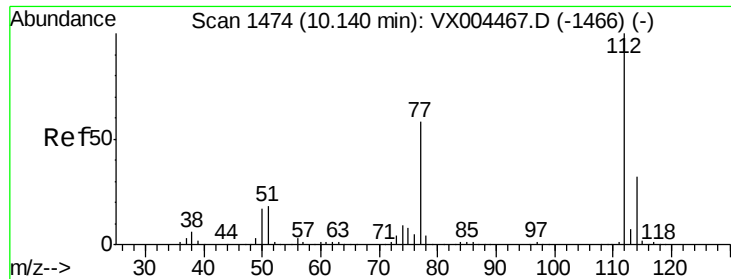
Delta R.T. -0.00 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

Tgt Ion:	164	Resp:	70920
Ion Ratio	Lower	Upper	
164	100		
166	127.3	102.8	154.2
129	90.6	69.4	104.0
131	86.6	67.9	101.9





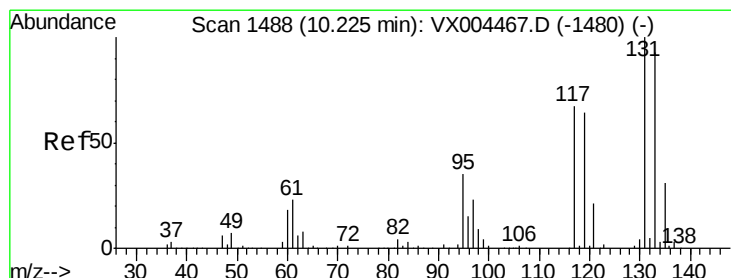
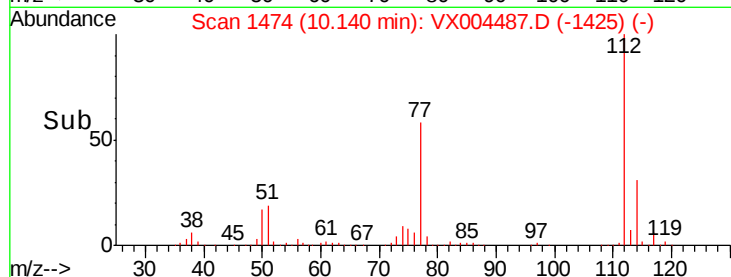
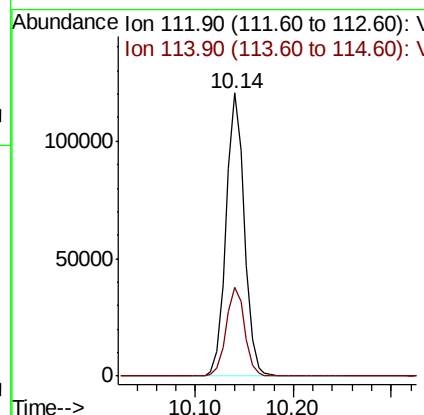
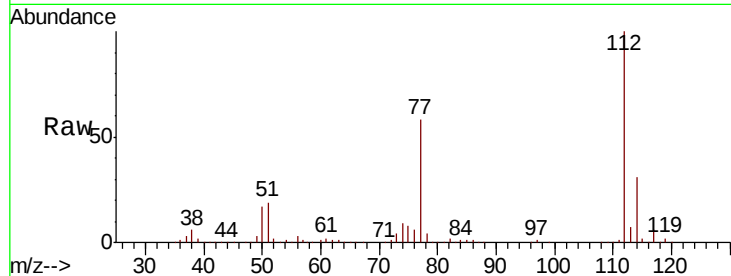
#65
Chlorobenzene
Concen: 19.54 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX004487.D
Acq: 12 Sep 2018 11:52

Instrument :
MSVOA_X
ClientSampled :
VX0912WBS01

Tot Ion:112 Resp: 155903
Ion Ratio Lower Upper
112 100
114 31.4 27.8 41.8

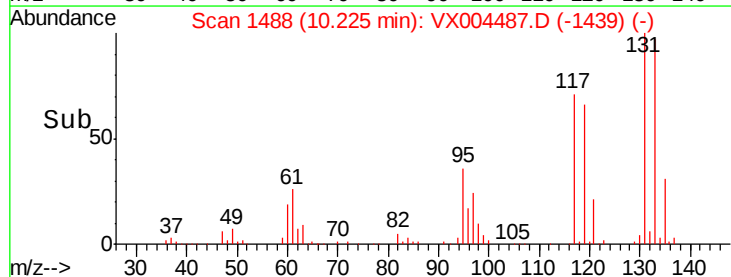
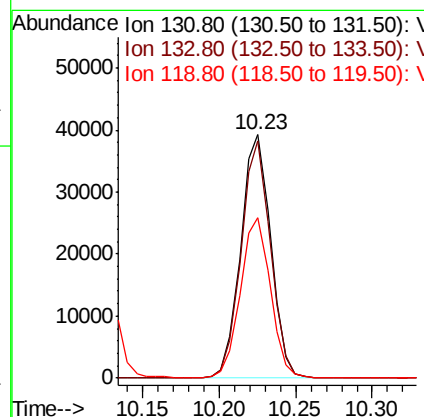
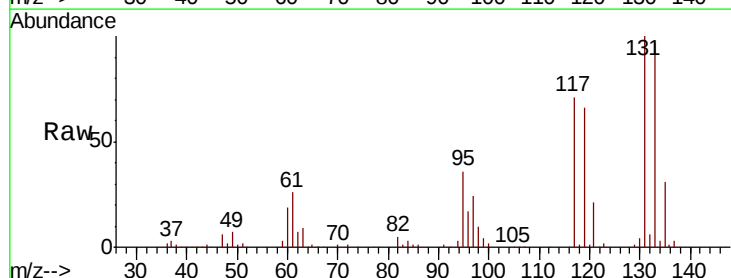
Manual Integrations
APPROVED

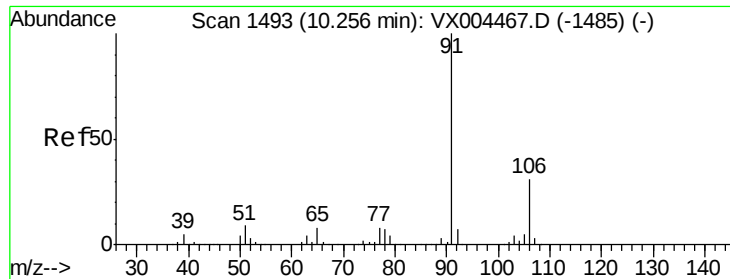
MMDadoda
9/13/2018 10:58:11 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.40 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VX004487.D
Acq: 12 Sep 2018 11:52

Tgt Ion:131 Resp: 53385
Ion Ratio Lower Upper
131 100
133 95.1 48.1 144.4
119 65.7 32.9 98.6





#67

Ethyl Benzene

Concen: 19.59 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

Instrument :

MSVOA_X

ClientSampled :

VX0912WBS01

Tot Ion: 91 Resp: 254150

Ion Ratio Lower Upper

91 100

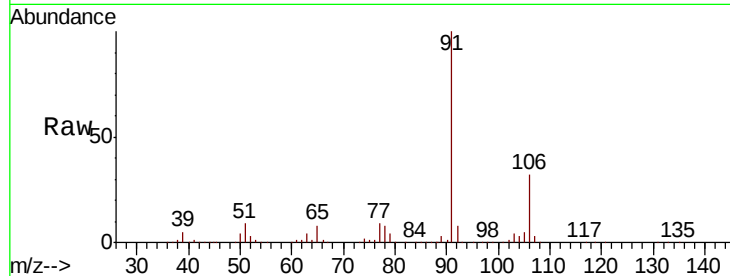
106 31.8 25.9 38.9

Manual Integrations

APPROVED

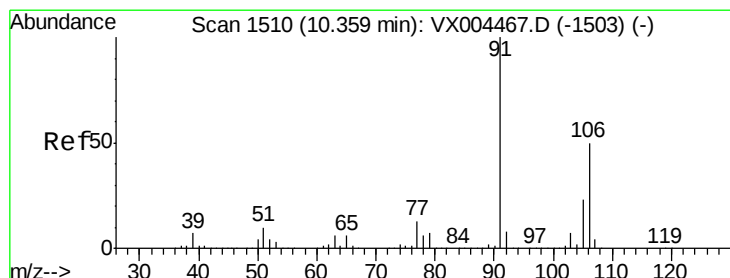
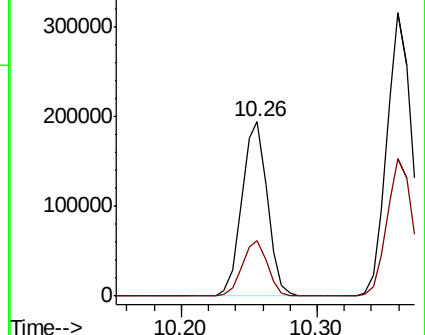
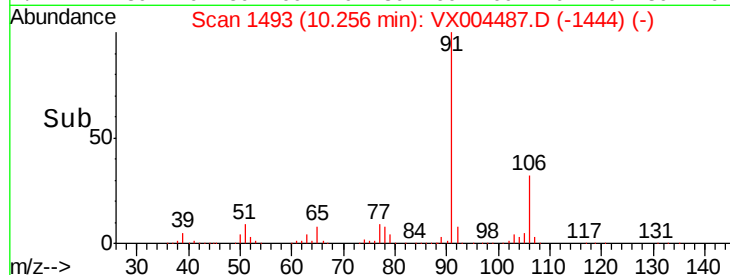
MMDadoda

9/13/2018 10:58:11 AM



Abundance Ion 91.00 (90.70 to 91.70): VX004467.D (-1485) (-)

Ion 106.00 (105.70 to 106.70): VX004467.D (-1485) (-)



#68

m/p-Xylenes

Concen: 40.41 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX004487.D

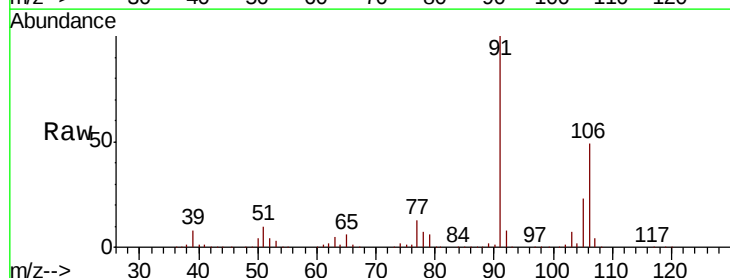
Acq: 12 Sep 2018 11:52

Tgt Ion: 106 Resp: 201981

Ion Ratio Lower Upper

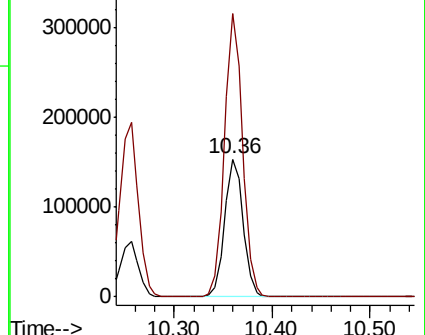
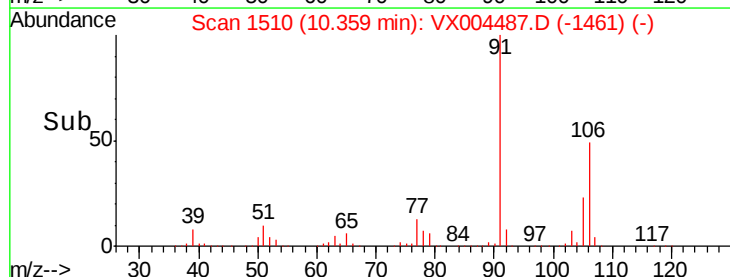
106 100

91 201.3 157.1 235.7



Abundance Ion 106.00 (105.70 to 106.70): VX004467.D (-1503) (-)

Ion 91.00 (90.70 to 91.70): VX004467.D (-1503) (-)





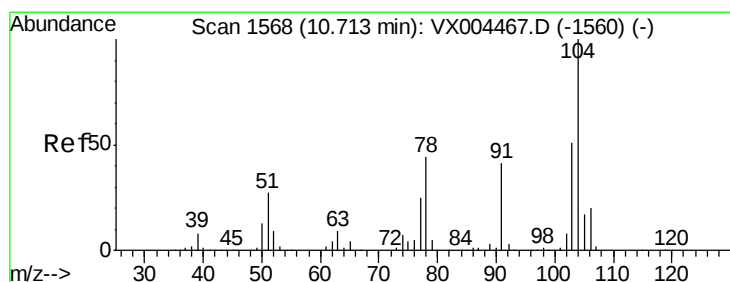
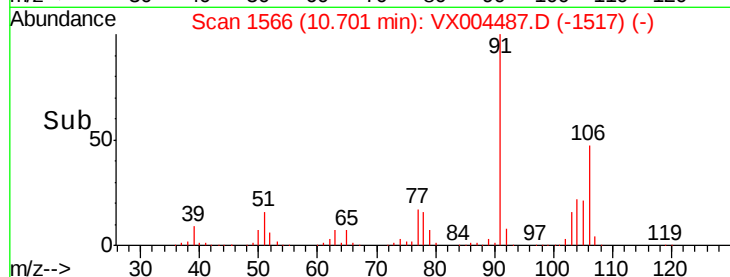
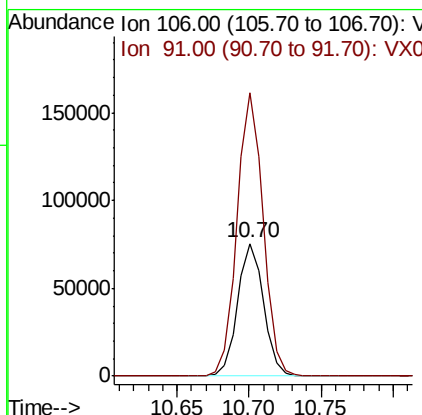
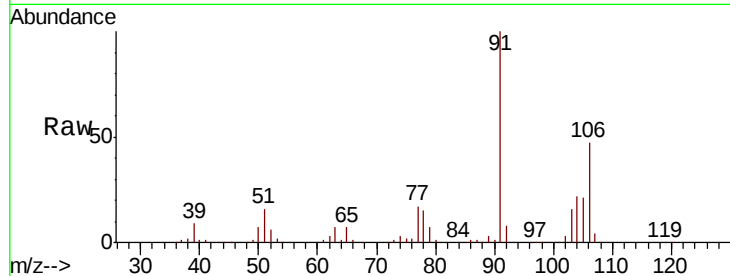
#69
o-Xylene
Concen: 19.77 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004487.D
Acq: 12 Sep 2018 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0912WBS01

Tot Ion:106 Resp: 95014
Ion Ratio Lower Upper
106 100
91 215.2 105.1 315.1

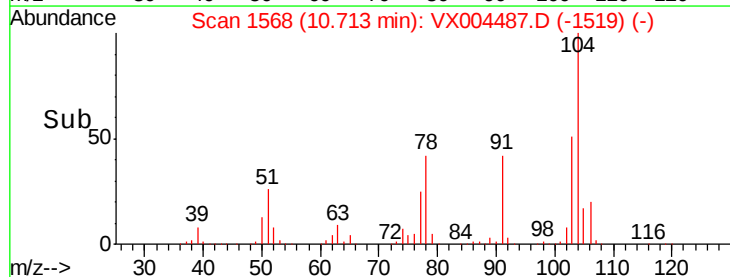
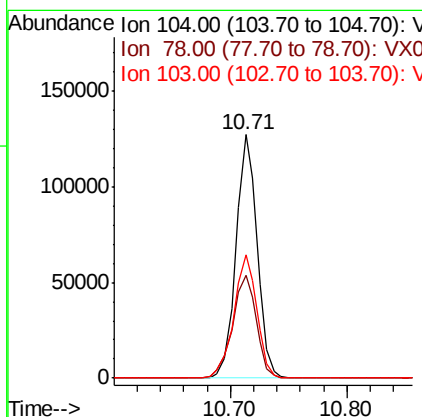
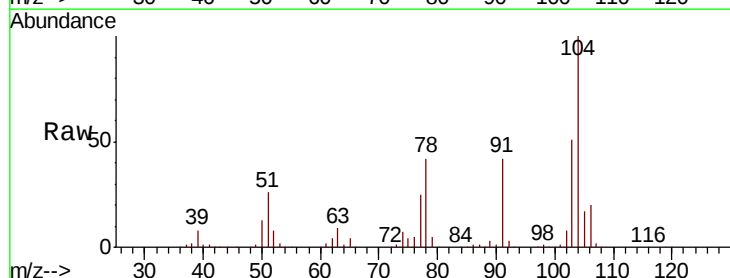
Manual Integrations
APPROVED

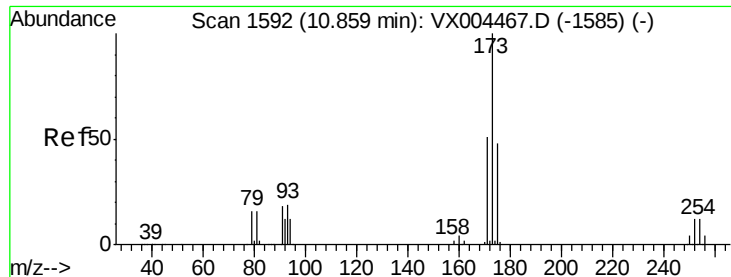
MMDadoda
9/13/2018 10:58:11 AM



#70
Styrene
Concen: 20.30 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX004487.D
Acq: 12 Sep 2018 11:52

Tgt Ion:104 Resp: 161620
Ion Ratio Lower Upper
104 100
78 47.8 37.4 56.0
103 55.3 43.8 65.6





#71

Bromoform

Concen: 18.92 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0912WBS01

Tot Ion:173 Resp: 42752

Ion Ratio Lower Upper

173 100

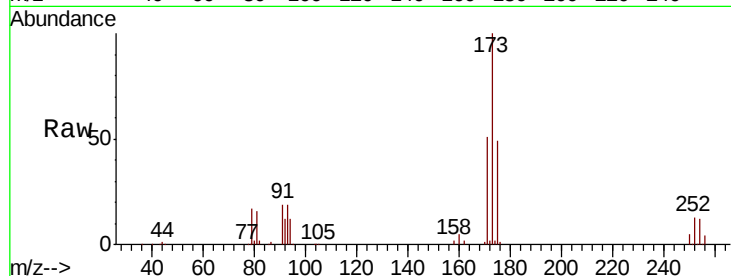
175 49.2 24.1 72.3

254 0.0 0.2 0.2#

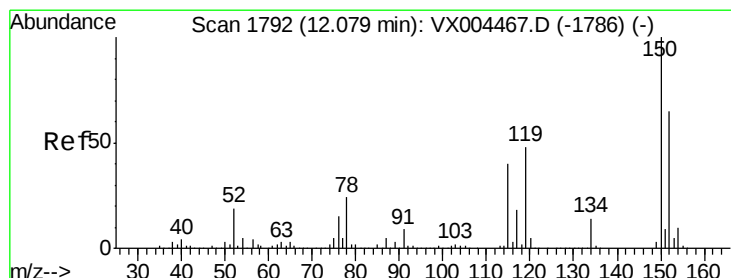
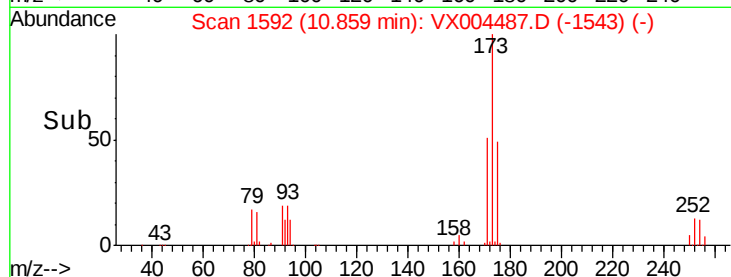
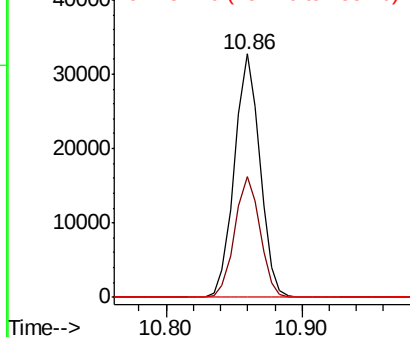
Manual Integrations
APPROVED

MMDadoda

9/13/2018 10:58:11 AM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

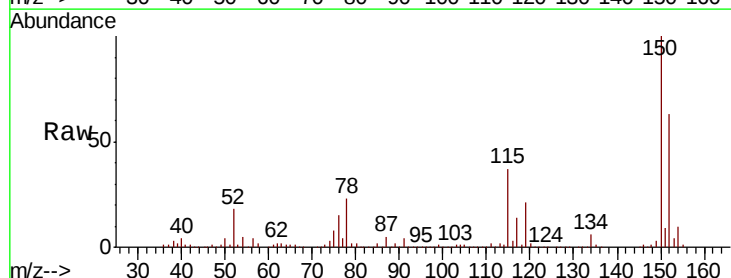
Tgt Ion:152 Resp: 192210

Ion Ratio Lower Upper

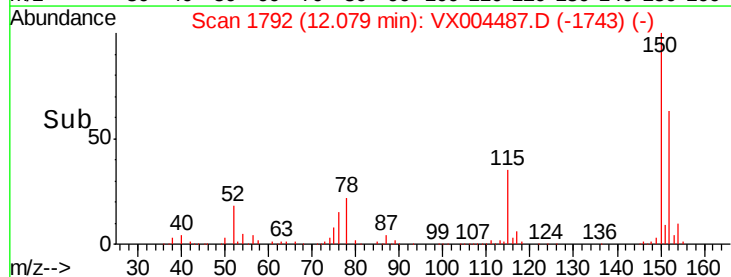
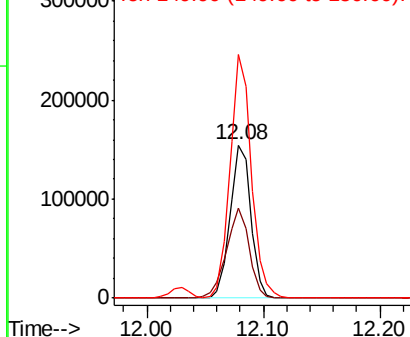
152 100

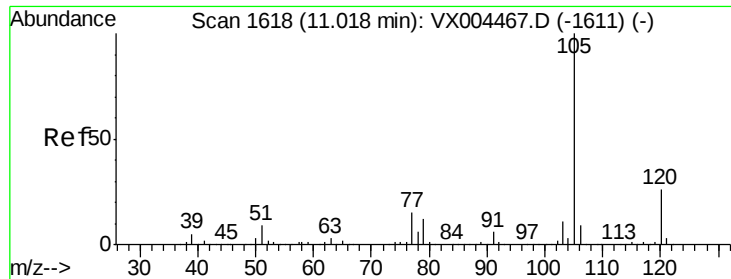
115 64.1 39.0 117.0

150 162.7 0.0 351.0



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





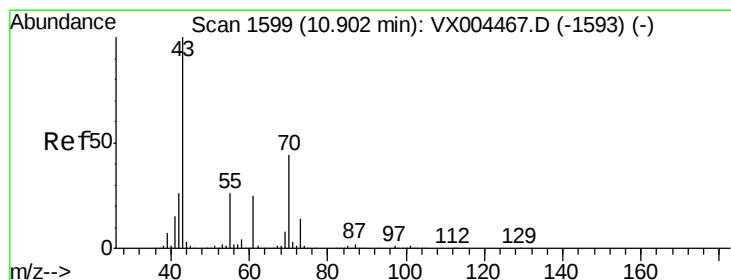
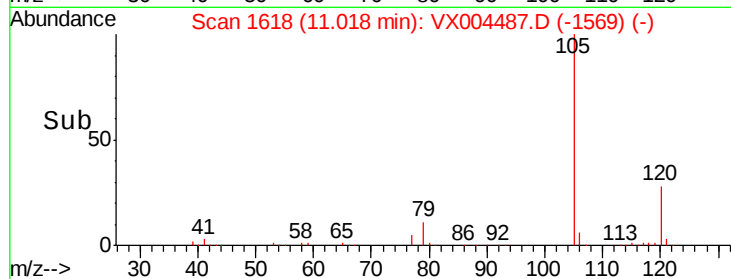
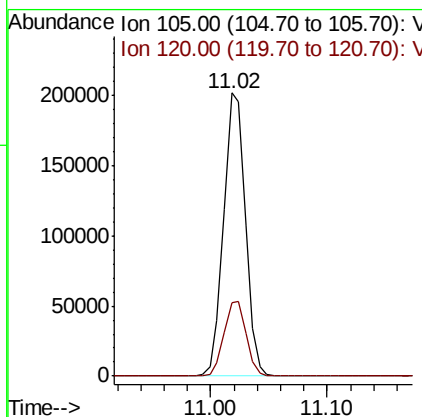
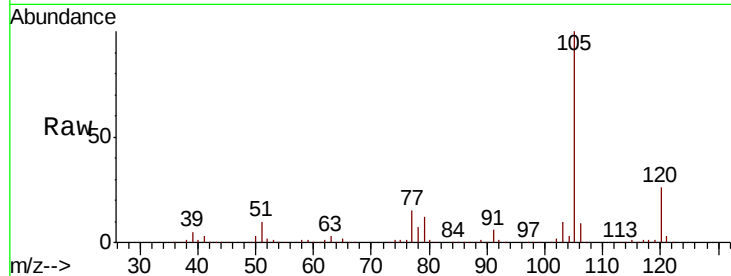
#73
Isopropylbenzene
Concen: 20.62 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX004487.D
Acq: 12 Sep 2018 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0912WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.5	40.4

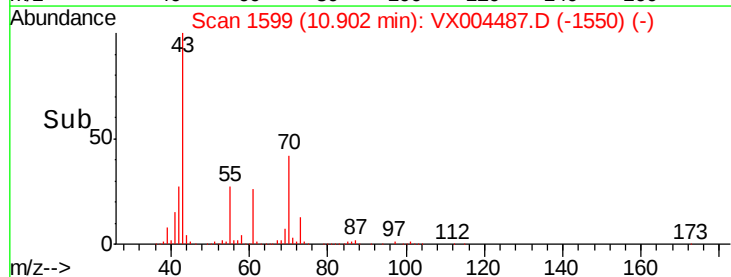
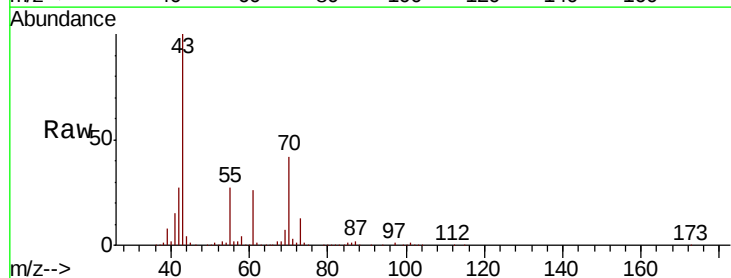
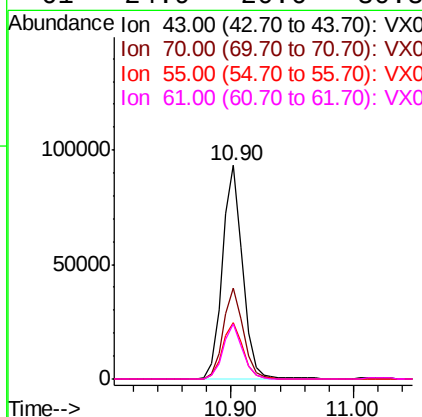
Manual Integrations
APPROVED

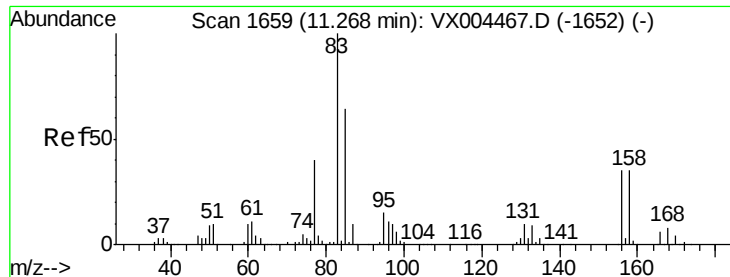
MMDadoda
9/13/2018 10:58:11 AM



#74
N-ethyl acetate
Concen: 19.95 ug/l
RT: 10.90 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VX004487.D
Acq: 12 Sep 2018 11:52

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.7	37.4	56.0
55	27.5	21.8	32.8
61	24.9	20.6	30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.92 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

Instrument :

MSVOA_X

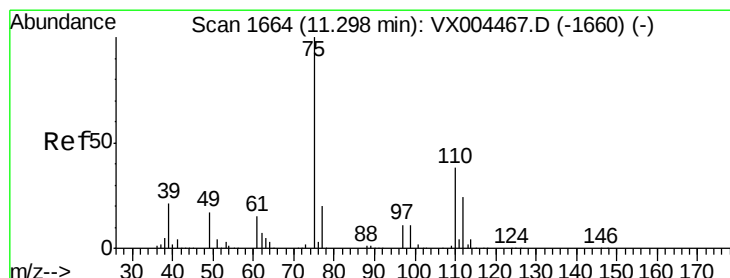
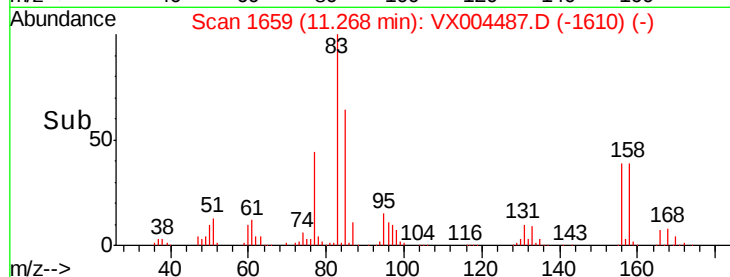
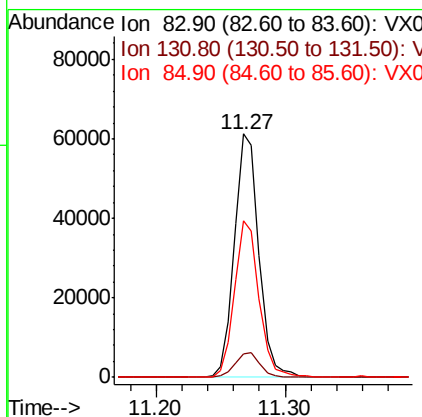
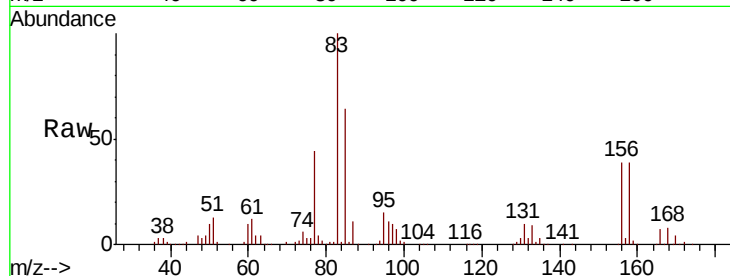
ClientSampleId :

VX0912WBS01

Tot Ion:	83	Resp:	81354
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.2	15.6
85	64.4	32.3	96.8

Manual Integrations
APPROVED

MMDadoda
9/13/2018 10:58:11 AM



#76

1,2,3-Trichloropropane

Concen: 20.27 ug/l m

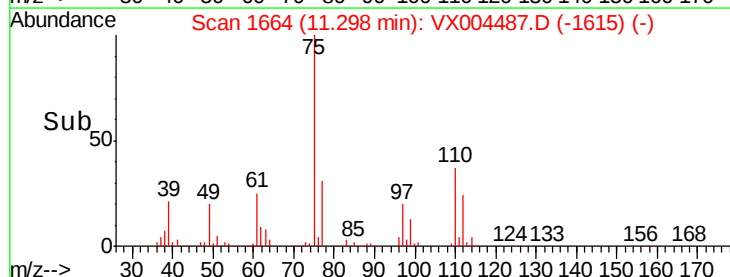
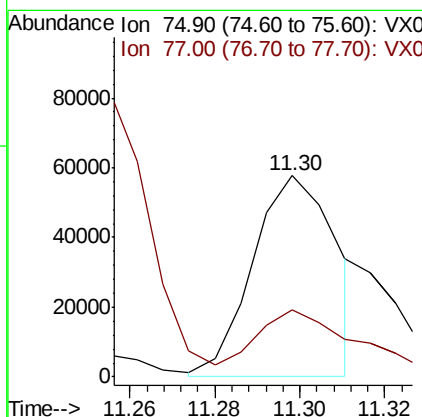
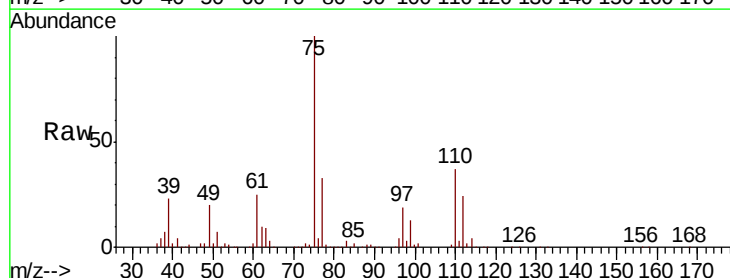
RT: 11.30 min Scan# 1664

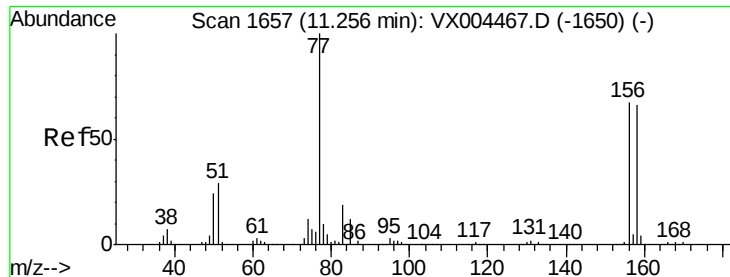
Delta R.T. -0.00 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

Tgt Ion:	75	Resp:	78388
Ion Ratio	Lower	Upper	
75	100		
77	41.4	20.2	60.6





#77

Bromobenzene

Concen: 19.86 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

Instrument :

MSVOA_X

ClientSampled :

VX0912WBS01

Tot Ion:156 Resp: 69493

Ion Ratio Lower Upper

156 100

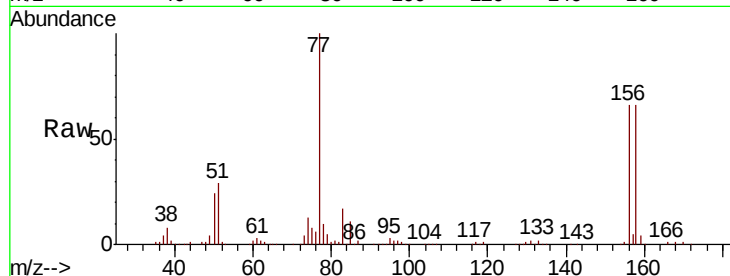
77 148.1 71.5 214.3

158 98.5 48.9 146.8

Manual Integrations
APPROVED

MMDadoda

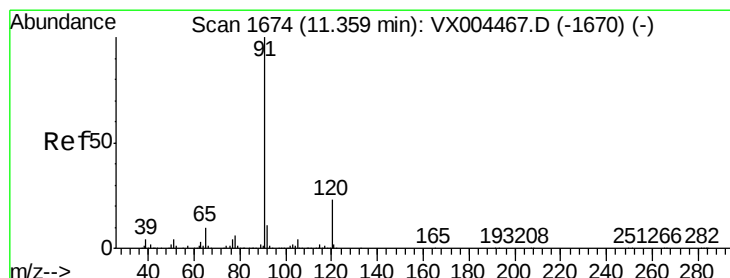
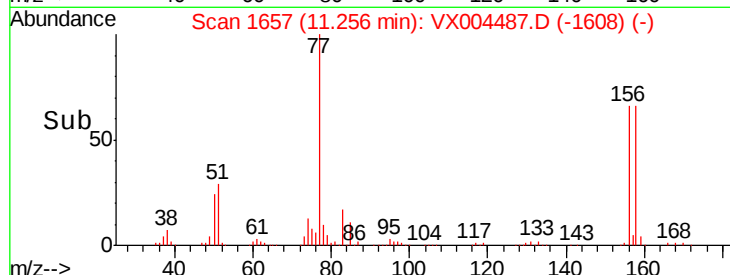
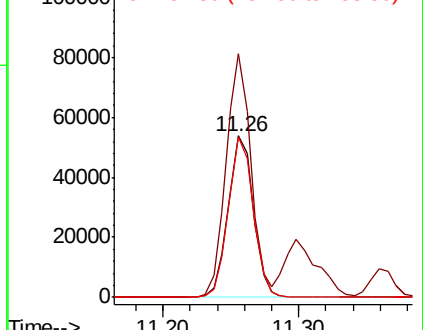
9/13/2018 10:58:11 AM



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: 20.62 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX004487.D

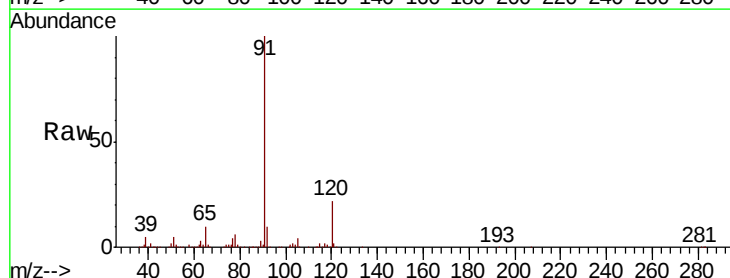
Acq: 12 Sep 2018 11:52

Tgt Ion: 91 Resp: 300077

Ion Ratio Lower Upper

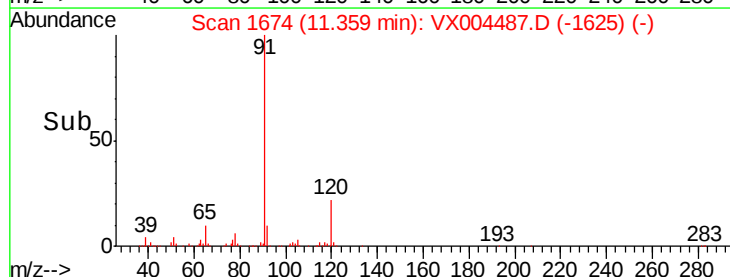
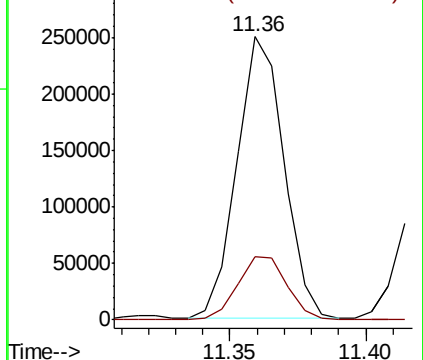
91 100

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





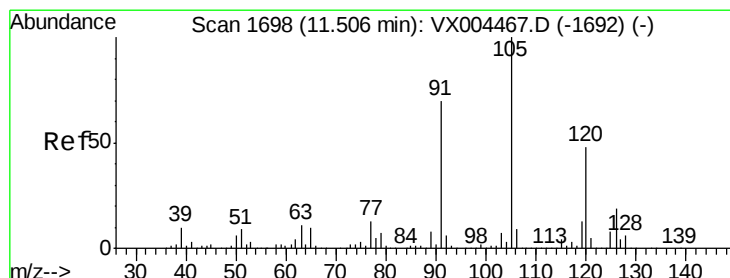
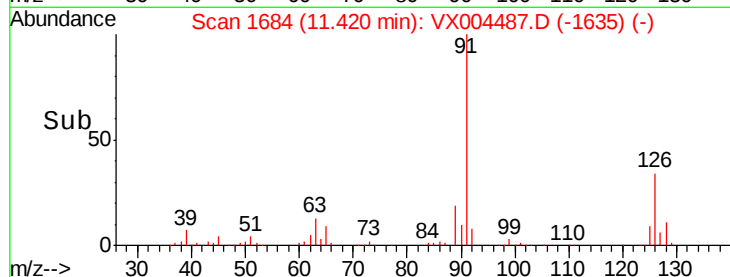
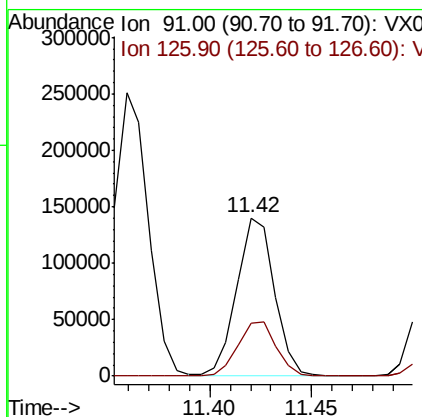
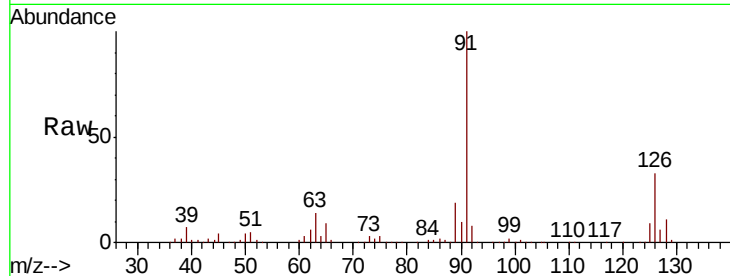
#79
 2-Chlorotoluene
 Concen: 20.23 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX004487.D
 Acq: 12 Sep 2018 11:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912WBS01

Tot Ion: 91 Resp: 178590
 Ion Ratio Lower Upper
 91 100
 126 35.3 17.9 53.7

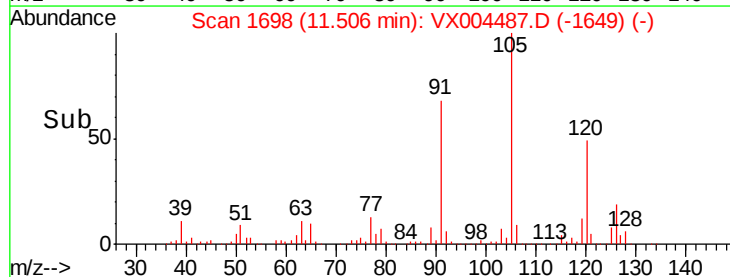
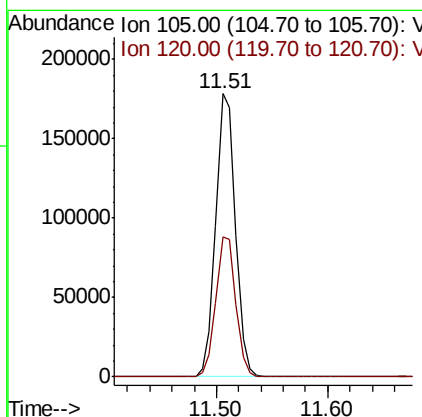
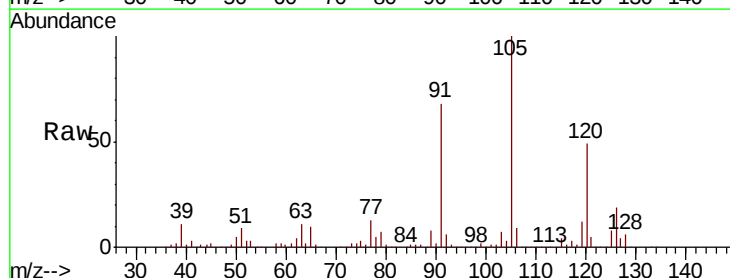
Manual Integrations
 APPROVED

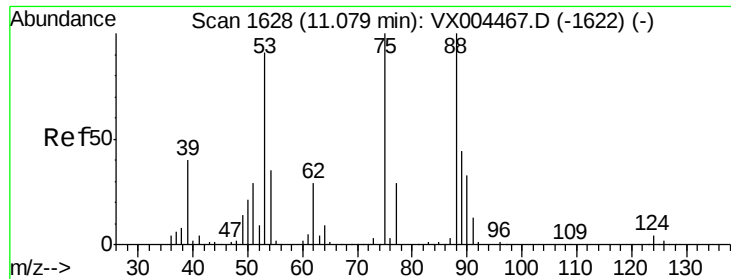
MMDadoda
 9/13/2018 10:58:11 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.56 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX004487.D
 Acq: 12 Sep 2018 11:52

Tgt Ion: 105 Resp: 218836
 Ion Ratio Lower Upper
 105 100
 120 50.2 25.6 76.8





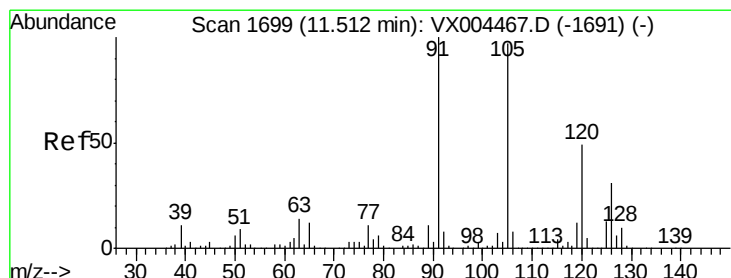
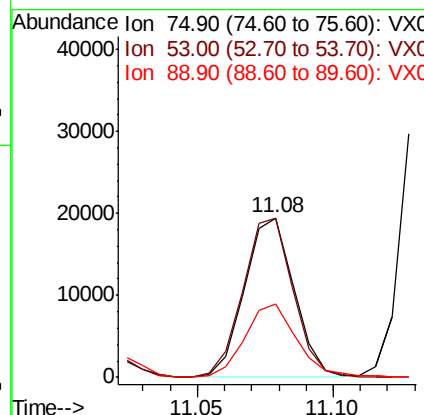
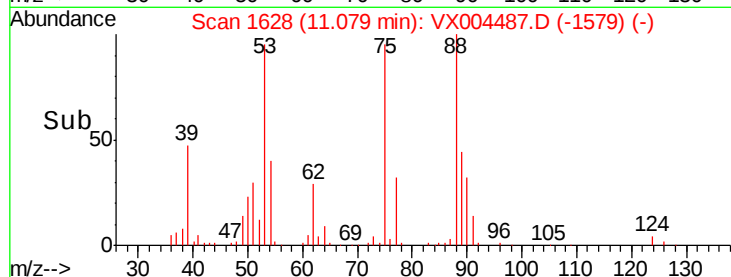
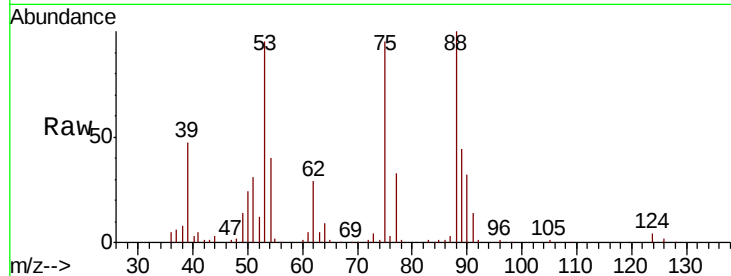
#81
trans-1,4-Dichloro-2-butene
Concen: 20.17 ug/l
RT: 11.08 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VX004487.D
Acq: 12 Sep 2018 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0912WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	102.1	80.1	120.1
89	48.4	37.2	55.8

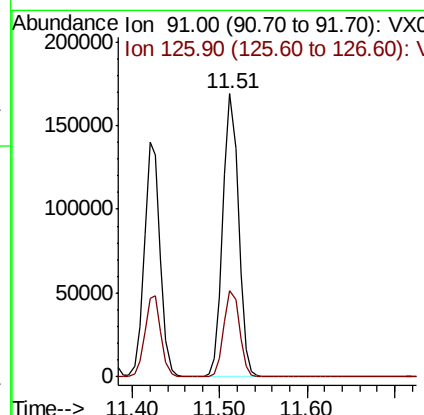
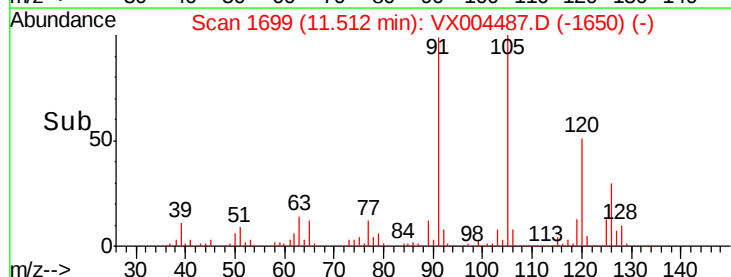
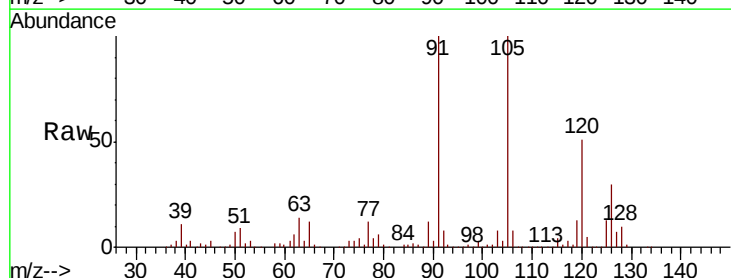
Manual Integrations
APPROVED

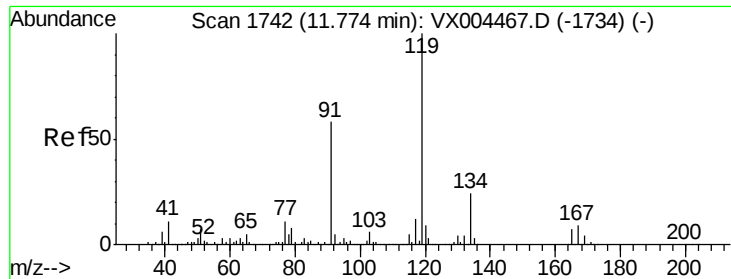
MMDadoda
9/13/2018 10:58:11 AM



#82
4-Chlorotoluene
Concen: 20.24 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX004487.D
Acq: 12 Sep 2018 11:52

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.5	46.5





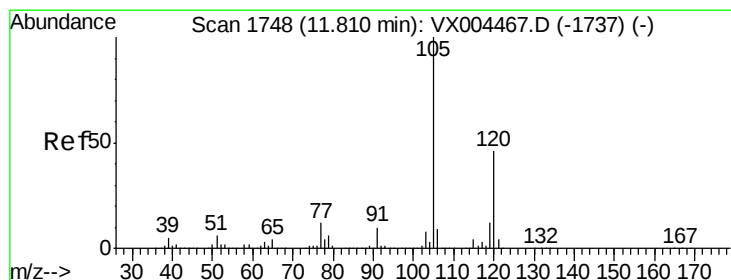
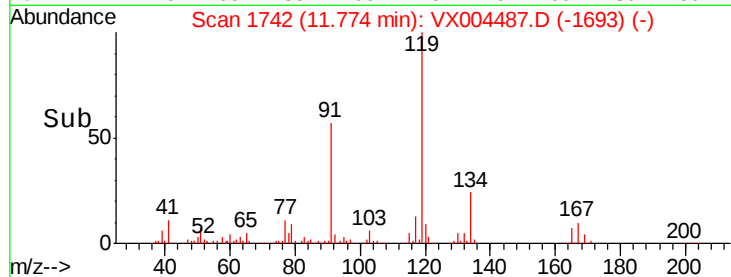
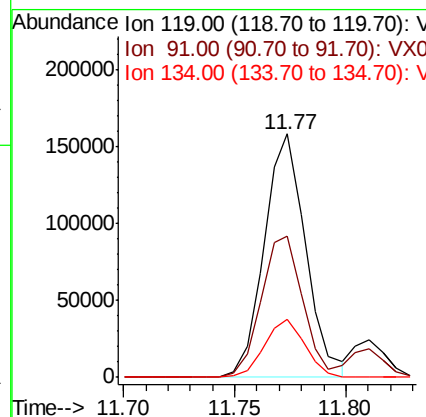
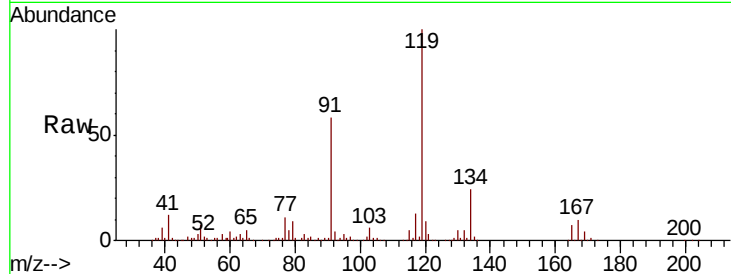
#83
 tert-Butylbenzene
 Concen: 20.18 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX004487.D
 Acq: 12 Sep 2018 11:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	204427		
91	57.9		27.0	81.0
134	23.4		11.7	35.1

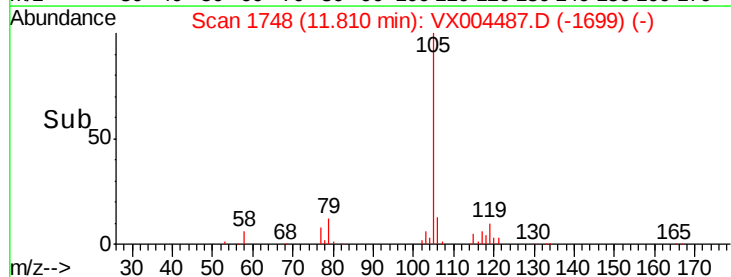
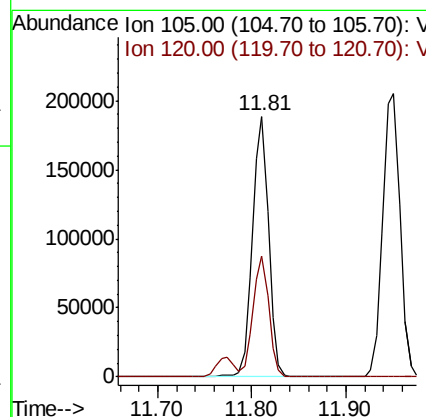
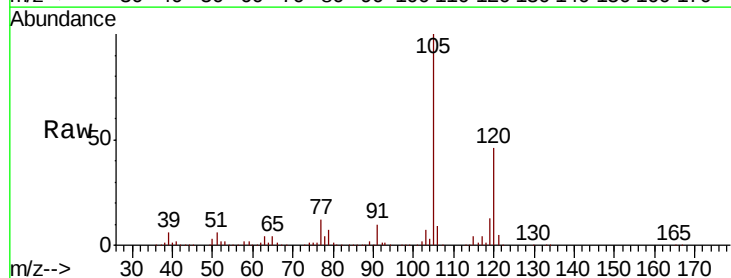
Manual Integrations
 APPROVED

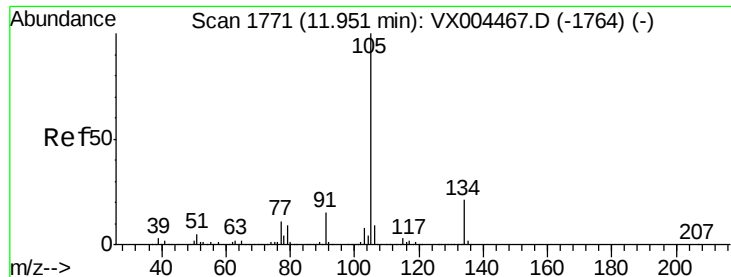
MMDadoda
 9/13/2018 10:58:11 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.80 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX004487.D
 Acq: 12 Sep 2018 11:52

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	226040		
120	45.7		23.2	69.6





#85

sec-Butylbenzene

Concen: 20.30 ug/l

RT: 11.95 min Scan# 1771

Delta R.T. -0.00 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

Instrument :

MSVOA_X

ClientSampleId :

VX0912WBS01

Tot Ion:105 Resp: 262036

Ion Ratio Lower Upper

105 100

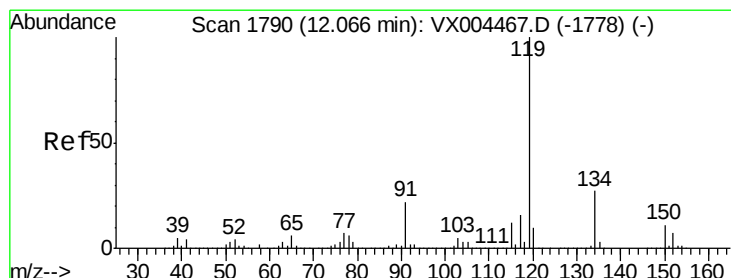
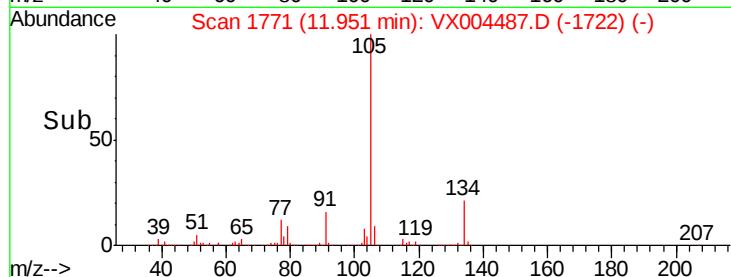
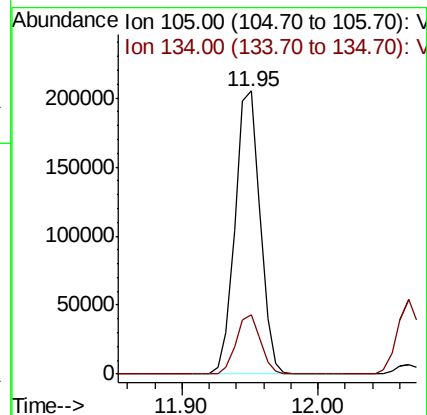
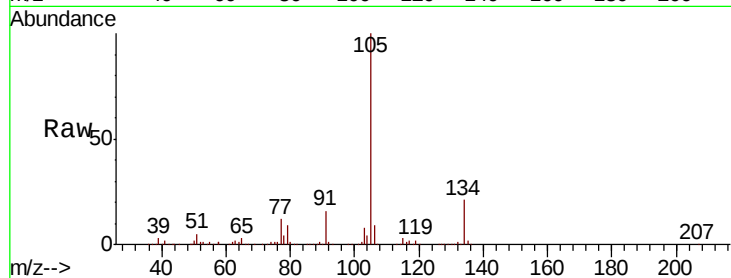
134 20.4 10.5 31.5

Manual Integrations

APPROVED

MMDadoda

9/13/2018 10:58:11 AM



#86

p-Isopropyltoluene

Concen: 20.59 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

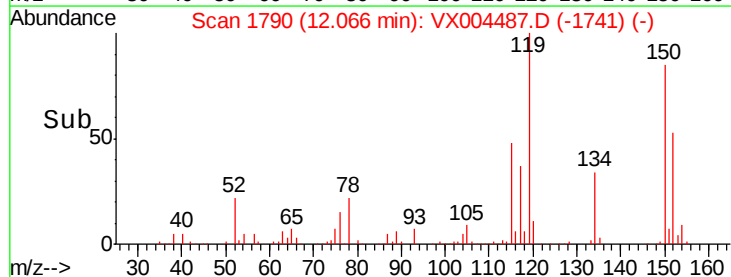
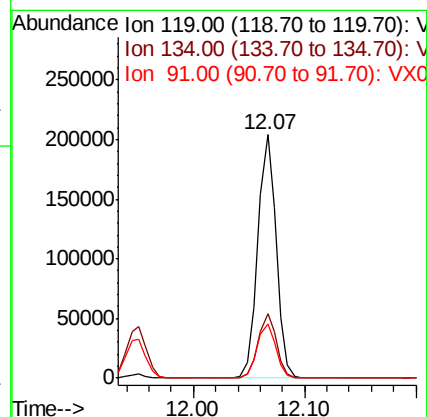
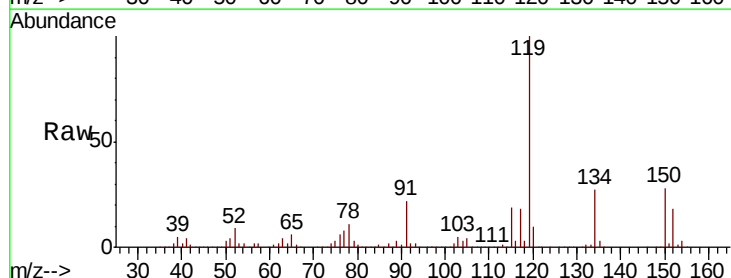
Tgt Ion:119 Resp: 234738

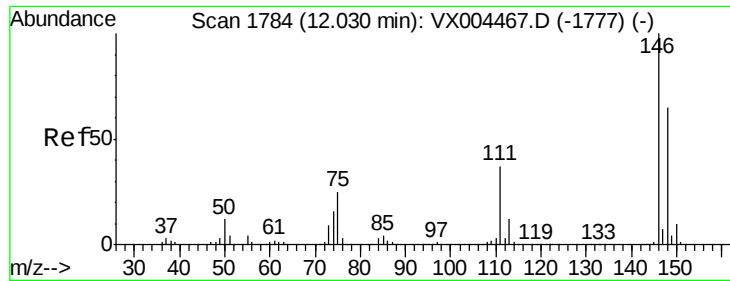
Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.2

91 22.7 10.9 32.7





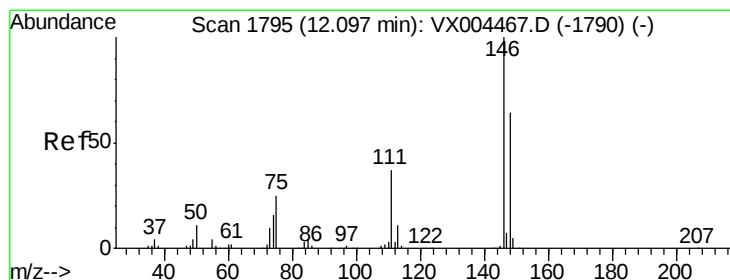
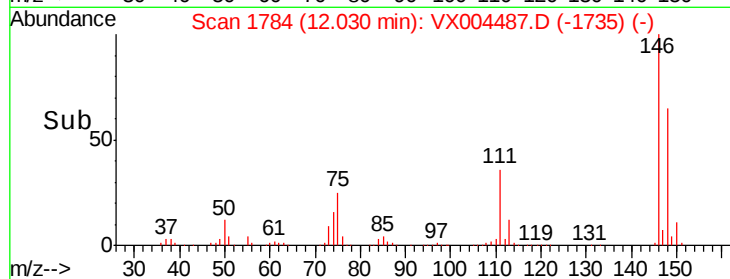
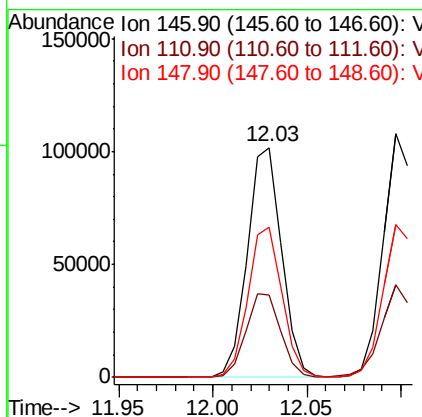
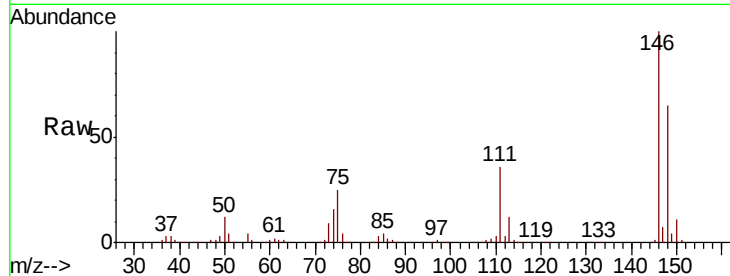
#87
 1,3-Dichlorobenzene
 Concen: 19.70 ug/l
 RT: 12.03 min Scan# 1784
 Delta R.T. -0.00 min
 Lab File: VX004487.D
 Acq: 12 Sep 2018 11:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.7	56.1
148	64.8	32.1	96.5

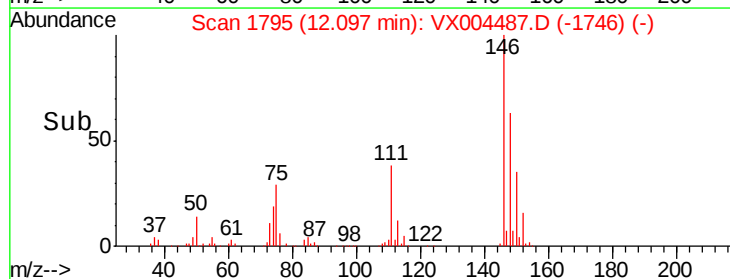
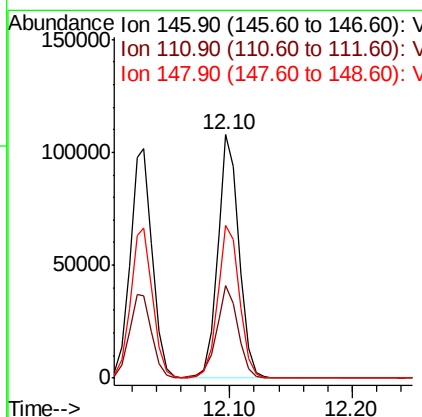
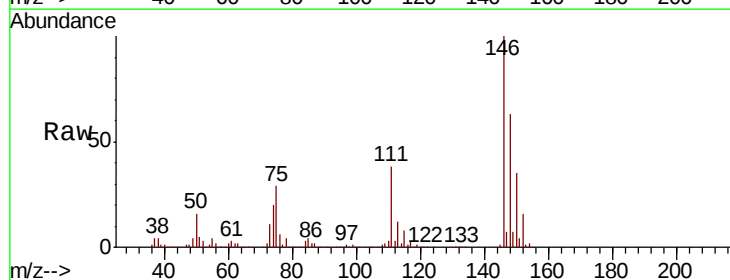
Manual Integrations
 APPROVED

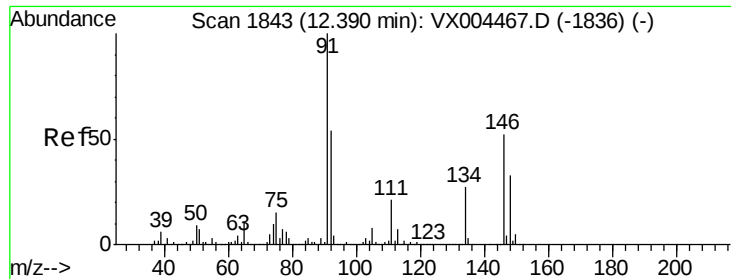
MMDadoda
 9/13/2018 10:58:11 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.21 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX004487.D
 Acq: 12 Sep 2018 11:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.1	54.1
148	64.8	32.0	96.0





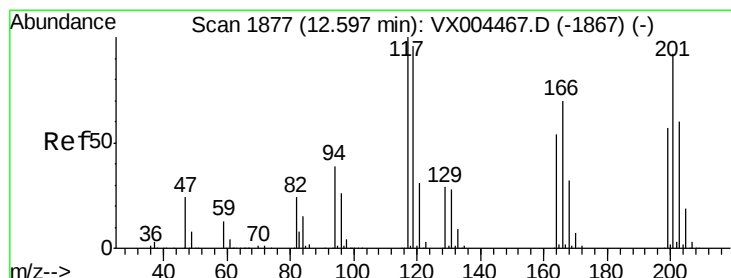
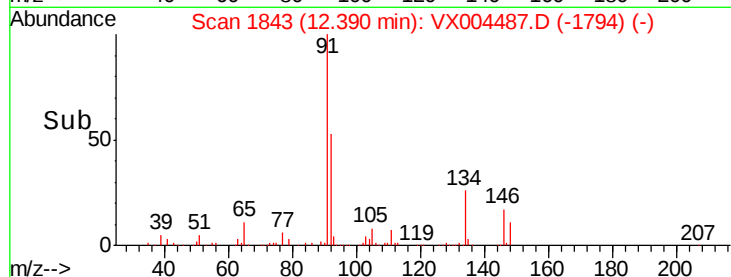
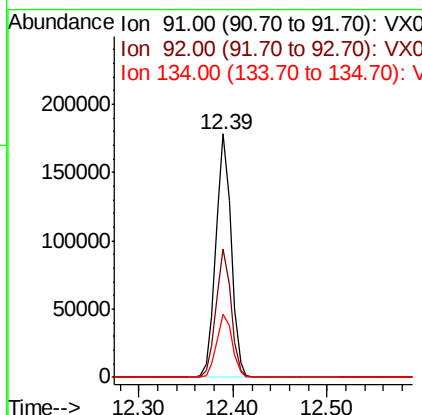
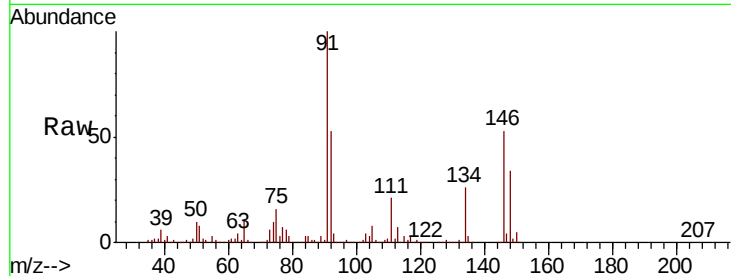
#89
n-Butylbenzene
Concen: 19.47 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX004487.D
Acq: 12 Sep 2018 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0912WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	27.3	81.9
134	26.4	13.6	40.7

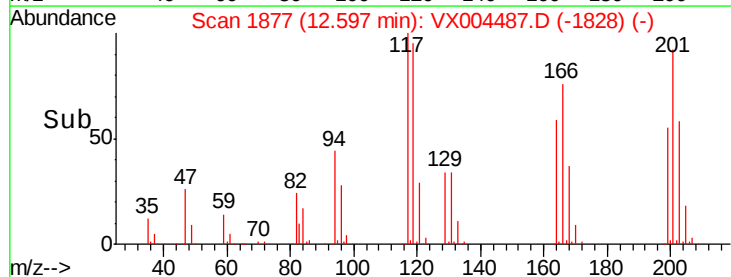
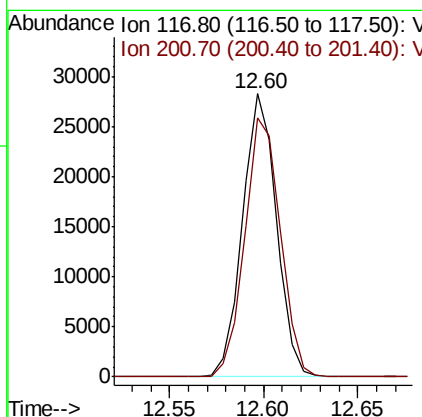
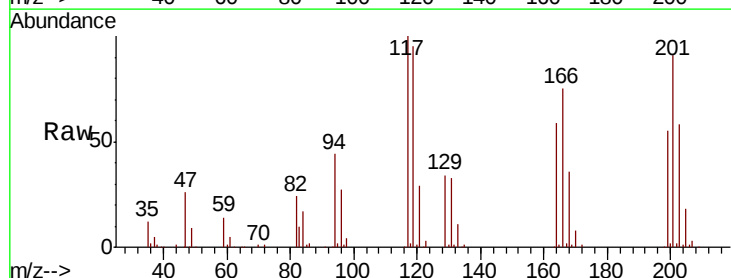
Manual Integrations
APPROVED

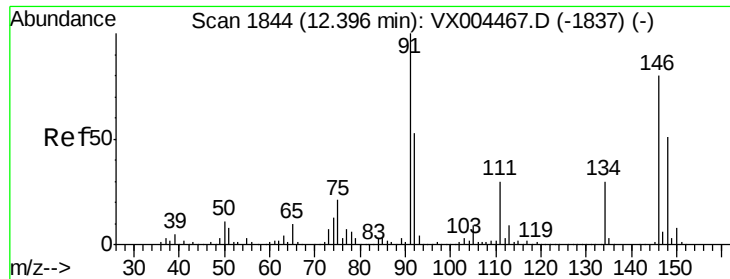
MMDadoda
9/13/2018 10:58:11 AM



#90
Hexachloroethane
Concen: 19.31 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX004487.D
Acq: 12 Sep 2018 11:52

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.2	46.9	140.6





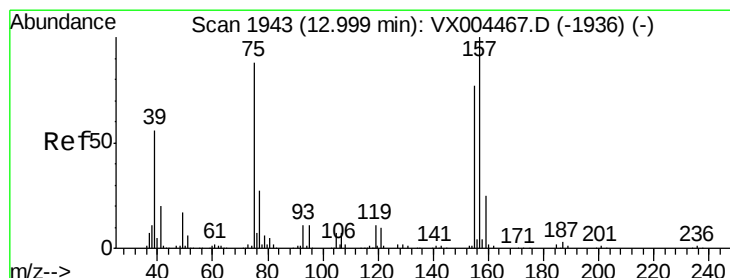
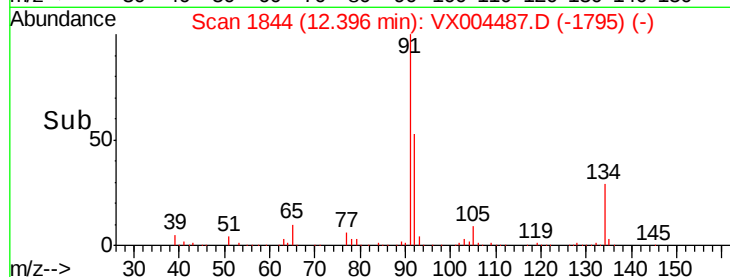
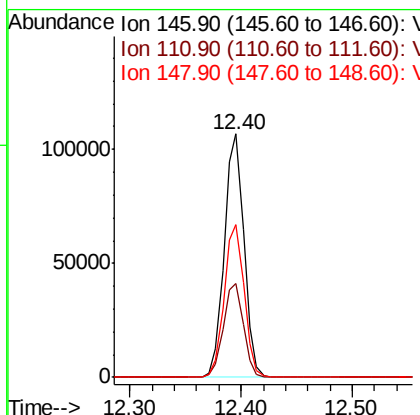
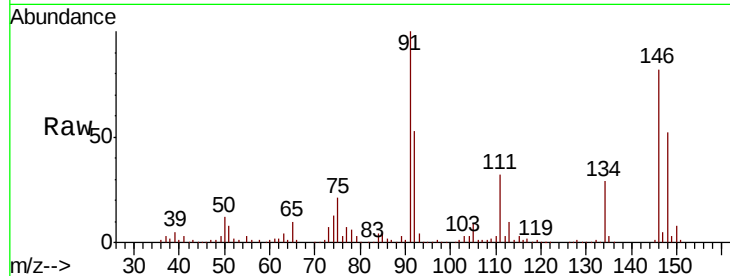
#91
 1,2-Dichlorobenzene
 Concen: 19.73 ug/l
 RT: 12.40 min Scan# 1844
 Delta R.T. -0.00 min
 Lab File: VX004487.D
 Acq: 12 Sep 2018 11:52

Instrument :
 MSVOA_X
 ClientSampled :
 VX0912WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.4	58.1
148	63.5	32.8	98.3

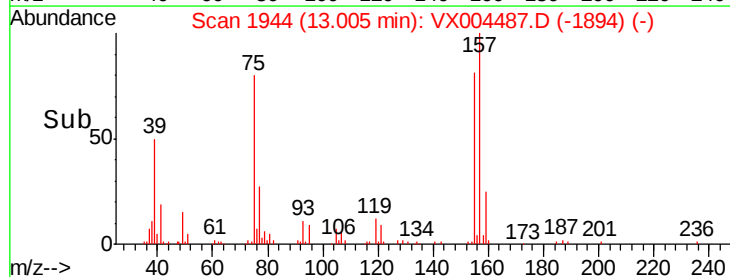
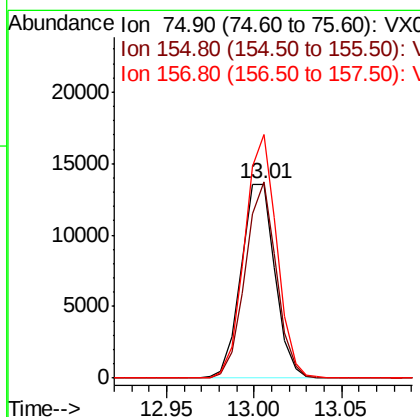
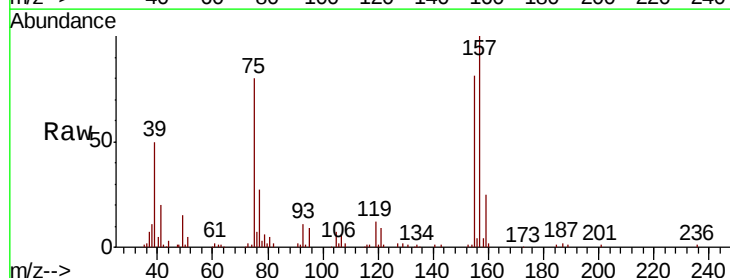
Manual Integrations
 APPROVED

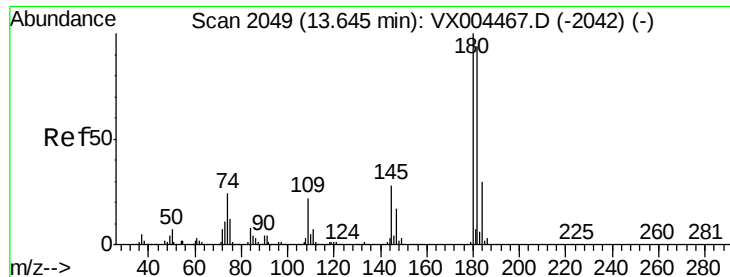
MMDadoda
 9/13/2018 10:58:11 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.91 ug/l
 RT: 13.01 min Scan# 1944
 Delta R.T. 0.01 min
 Lab File: VX004487.D
 Acq: 12 Sep 2018 11:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.6	48.0	144.2
157	118.7	61.4	184.1





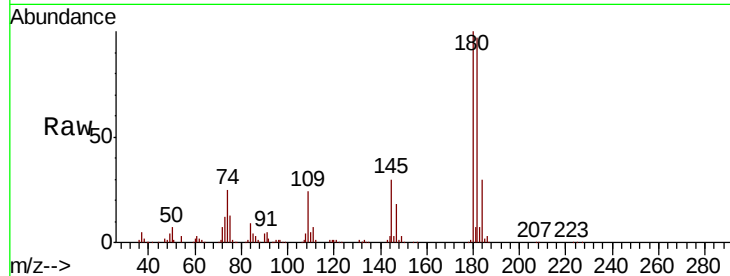
#93
 1,2,4-Trichlorobenzene
 Concen: 19.53 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX004487.D
 Acq: 12 Sep 2018 11:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	91395		
182	96.1	48.4	145.0	
145	28.3	14.3	42.9	

Manual Integrations
 APPROVED

MMDadoda
 9/13/2018 10:58:11 AM

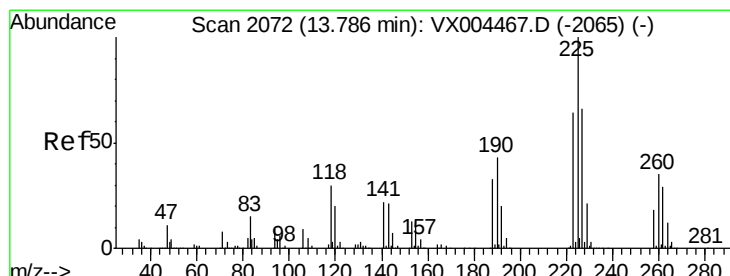
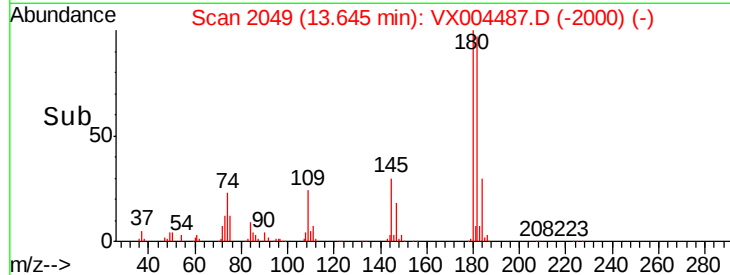
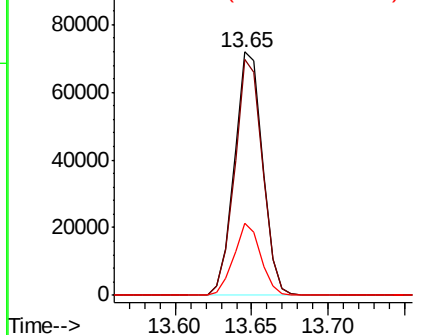


Abundance

Ion 179.80 (179.50 to 180.50): V

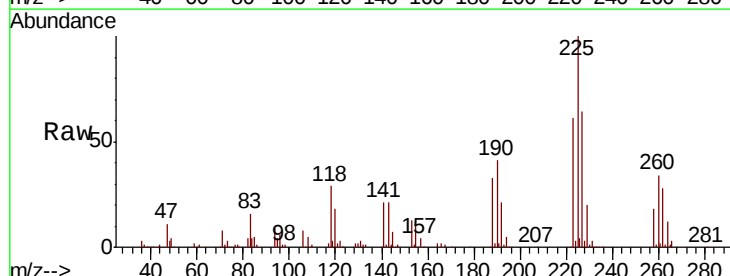
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 19.57 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX004487.D
 Acq: 12 Sep 2018 11:52

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	47818		
223	60.3	30.1	90.5	
227	63.0	30.8	92.4	

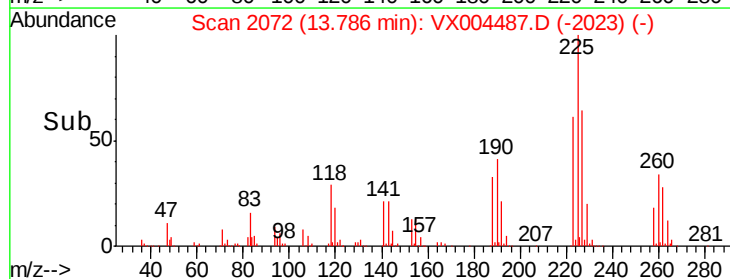
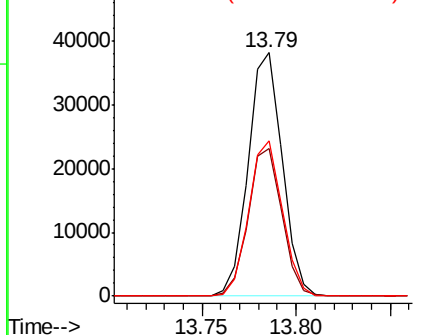


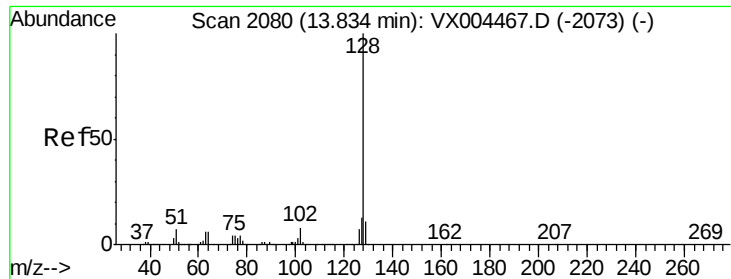
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 20.31 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

Instrument :

MSVOA_X

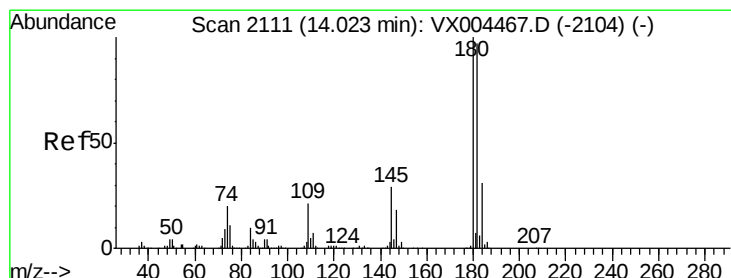
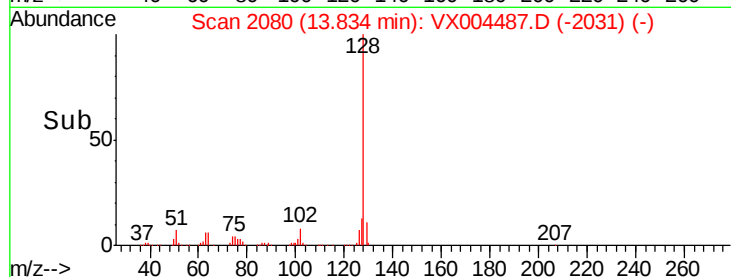
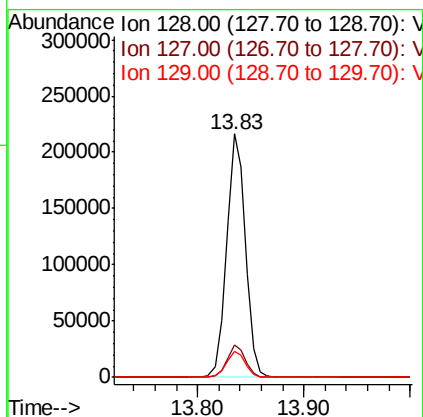
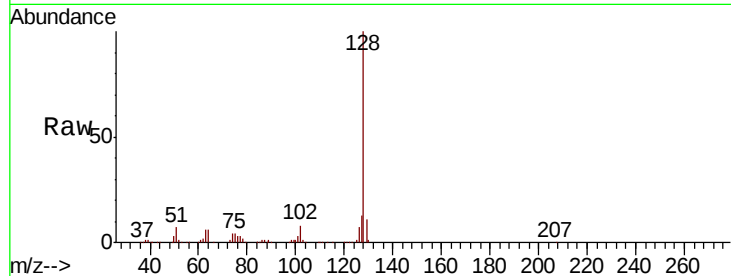
ClientSampleId :

VX0912WBS01

Tot Ion:	128	Resp:	266485
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.2
129	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/13/2018 10:58:11 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.62 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VX004487.D

Acq: 12 Sep 2018 11:52

Tgt Ion:	180	Resp:	94322
Ion Ratio	Lower	Upper	
180	100		
182	96.1	48.5	145.6
145	29.5	14.9	44.9

