

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091818\
 Data File : VX004674.D
 Acq On : 18 Sep 2018 23:23
 Operator : JC/MD
 Sample : VX0918WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBSD02

Manual Integrations
 APPROVED

apatel
 9/21/2018 11:00:42 AM

Quant Time: Sep 19 07:25:27 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	5.66	168	271212	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	361816	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	325342	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	214800	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	157571	45.06	ug/l	0.00
Spiked Amount			Recovery	=	90.12%	
35) Dibromofluoromethane	5.50	113	143162	43.24	ug/l	0.00
Spiked Amount			Recovery	=	86.48%	
50) Toluene-d8	8.71	98	488763	44.02	ug/l	0.00
Spiked Amount			Recovery	=	88.04%	
62) 4-Bromofluorobenzene	11.14	95	176828	44.62	ug/l	0.00
Spiked Amount			Recovery	=	89.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	45800	18.02	ug/l	96
3) Chloromethane	1.32	50	60356	17.25	ug/l	99
4) Vinyl Chloride	1.40	62	66933	18.64	ug/l	97
5) Bromomethane	1.64	94	32714	21.08	ug/l	90
6) Chloroethane	1.72	64	39621	17.07	ug/l	97
7) Trichlorofluoromethane	1.93	101	86117	18.09	ug/l	100
8) Diethyl Ether	2.18	74	40532	19.00	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	52833	17.50	ug/l	96
10) Methyl Iodide	2.51	142	54926	18.18	ug/l	96
11) Tert butyl alcohol	3.07	59	88154	105.64	ug/l	98
12) 1,1-Dichloroethene	2.37	96	53395	18.84	ug/l	95
13) Acrolein	2.29	56	16322	49.55	ug/l	94
14) Allyl chloride	2.73	41	102513	17.60	ug/l	96
15) Acrylonitrile	3.15	53	182618	90.88	ug/l	97
16) Acetone	2.45	43	143422	84.03	ug/l	94
17) Carbon Disulfide	2.57	76	140407	17.14	ug/l	97
18) Methyl Acetate	2.78	43	90070	18.81	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	188911	19.00	ug/l	94
20) Methylene Chloride	2.85	84	63089	18.02	ug/l	92
21) trans-1,2-Dichloroethene	3.16	96	59180	18.90	ug/l	93
22) Diisopropyl ether	3.87	45	195894	18.67	ug/l	99
23) Vinyl Acetate	3.82	43	775314	91.31	ug/l	99
24) 1,1-Dichloroethane	3.69	63	110434	18.64	ug/l	98
25) 2-Butanone	4.70	43	234646	86.38	ug/l	98
26) 2,2-Dichloropropane	4.58	77	65345	16.06	ug/l	96
27) cis-1,2-Dichloroethene	4.59	96	66963	19.16	ug/l	98
28) Bromochloromethane	5.02	49	48604	17.94	ug/l	98
29) Tetrahydrofuran	5.15	42	149575	91.31	ug/l	100
30) Chloroform	5.21	83	108983	18.84	ug/l	99
31) Cyclohexane	5.57	56	94641	18.71	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	87181	18.72	ug/l	99
36) 1,1-Dichloropropene	5.80	75	78035	17.76	ug/l	98
37) Ethyl Acetate	4.85	43	86690	17.35	ug/l	99
38) Carbon Tetrachloride	5.78	117	74777	17.43	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091818\
 Data File : VX004674.D
 Acq On : 18 Sep 2018 23:23
 Operator : JC/MD
 Sample : VX0918WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0918WBSD02

Manual Integrations
 APPROVED

apatel
 9/21/2018 11:00:42 AM

Quant Time: Sep 19 07:25:27 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	79818	17.41	ug/l	99
40) Benzene	6.14	78	234866	18.02	ug/l	97
41) Methacrylonitrile	5.06	41	47730	17.34	ug/l	98
42) 1,2-Dichloroethane	6.20	62	73634	17.03	ug/l	100
43) Isopropyl Acetate	6.46	43	115361	17.39	ug/l	98
44) Trichloroethene	7.22	130	66414	19.61	ug/l	84
45) 1,2-Dichloropropane	7.52	63	55897	17.82	ug/l	98
46) Dibromomethane	7.66	93	35710	18.02	ug/l	97
47) Bromodichloromethane	7.90	83	65252	17.42	ug/l	100
48) Methyl methacrylate	7.77	41	57862	17.62	ug/l	97
49) 1,4-Dioxane	7.75	88	30061	386.76	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	385738	82.37	ug/l	99
52) Toluene	8.79	92	134977	17.58	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	74378	16.99	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	78643	17.63	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	59665	18.05	ug/l	93
56) Ethyl methacrylate	9.18	69	88285	18.87	ug/l	97
57) 1,3-Dichloropropane	9.37	76	97431	18.14	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	203837	90.32	ug/l	98
59) 2-Hexanone	9.49	43	310164	86.35	ug/l	96
60) Dibromochloromethane	9.59	129	53420	17.16	ug/l	99
61) 1,2-Dibromoethane	9.67	107	57057	18.06	ug/l	99
64) Tetrachloroethene	9.34	164	83766	20.62	ug/l	94
65) Chlorobenzene	10.14	112	153778	19.03	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.23	131	52289	18.76	ug/l	98
67) Ethyl Benzene	10.26	91	252811	19.24	ug/l	99
68) m/p-Xylenes	10.36	106	198446	39.21	ug/l	98
69) o-Xylene	10.70	106	96878	19.91	ug/l	98
70) Styrene	10.71	104	159604	19.80	ug/l	99
71) Bromoform	10.86	173	42077	18.39	ug/l #	99
73) Isopropylbenzene	11.02	105	261988	18.52	ug/l	100
74) N-amyl acetate	10.90	43	100016	16.80	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	73699	16.15	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	74637m	17.27	ug/l	
77) Bromobenzene	11.26	156	70968	18.15	ug/l	99
78) n-propylbenzene	11.36	91	294421	18.10	ug/l	100
79) 2-Chlorotoluene	11.42	91	179979	18.24	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	239865	20.17	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	20999	15.49	ug/l	98
82) 4-Chlorotoluene	11.51	91	219027	19.02	ug/l	99
83) tert-Butylbenzene	11.77	119	240399	21.23	ug/l	94
84) 1,2,4-Trimethylbenzene	11.81	105	270701	22.29	ug/l	96
85) sec-Butylbenzene	11.94	105	322326	22.34	ug/l	97
86) p-Isopropyltoluene	12.07	119	270070	21.20	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	151476	20.76	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	151311	20.07	ug/l	98
89) n-Butylbenzene	12.39	91	222034	19.12	ug/l	96
90) Hexachloroethane	12.60	117	37430	18.35	ug/l	93
91) 1,2-Dichlorobenzene	12.40	146	143579	19.44	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	20125	20.66	ug/l	98

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091818\
Data File : VX004674.D
Acq On : 18 Sep 2018 23:23
Operator : JC/MD
Sample : VX0918WBSD02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD02

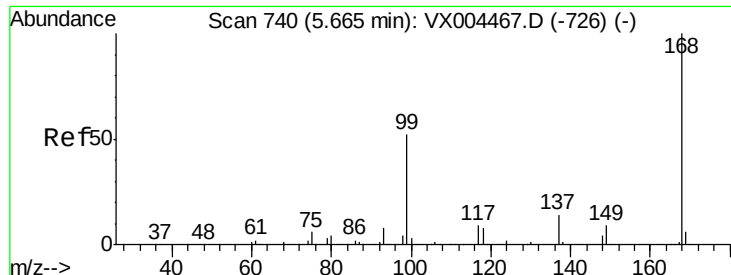
Manual Integrations
APPROVED

apatel
9/21/2018 11:00:42 AM

Quant Time: Sep 19 07:25:27 2018
Quant Method : Z:\V0ASRV\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	116348	22.25	ug/l	98
94) Hexachlorobutadiene	13.79	225	54501	19.96	ug/l	92
95) Naphthalene	13.83	128	339404	23.14	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	115814	21.56	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX004674.D

Acq: 18 Sep 2018 23:23

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD02

Tot Ion:168 Resp: 271212

Ion Ratio Lower Upper

168 100

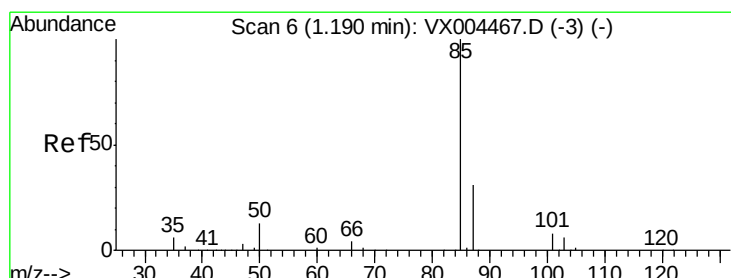
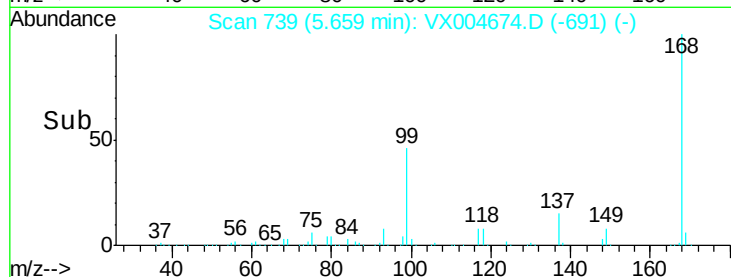
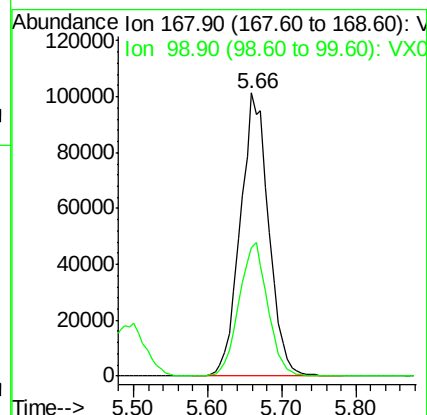
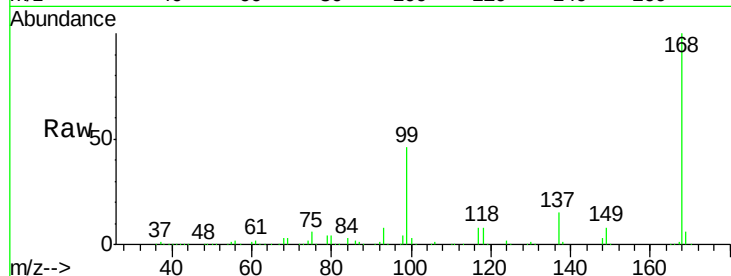
99 45.5 39.9 59.9

Manual Integrations

APPROVED

apatel

9/21/2018 11:00:42 AM



#2

Dichlorodifluoromethane

Concen: 18.02 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.01 min

Lab File: VX004674.D

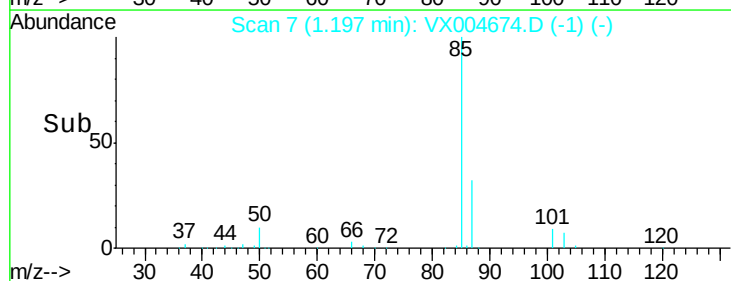
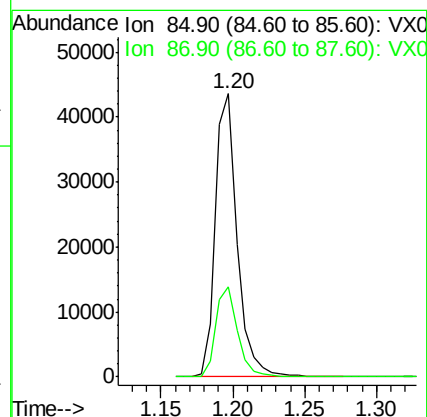
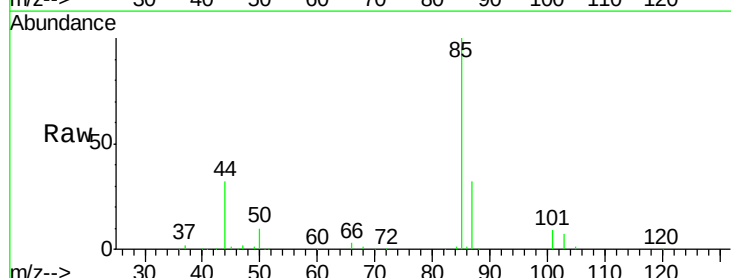
Acq: 18 Sep 2018 23:23

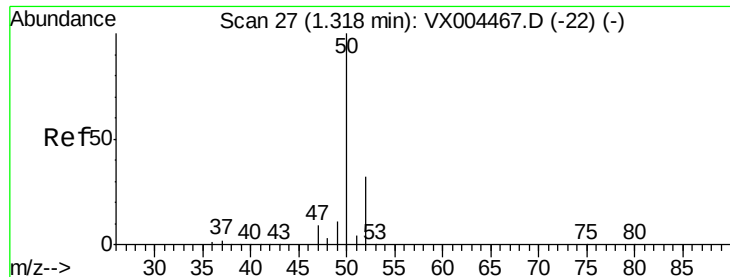
Tgt Ion: 85 Resp: 45800

Ion Ratio Lower Upper

85 100

87 31.6 17.0 50.9





#3

Chloromethane

Concen: 17.25 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004674.D

Acq: 18 Sep 2018 23:23

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD02

Tot Ion: 50 Resp: 60356

Ion Ratio Lower Upper

50 100

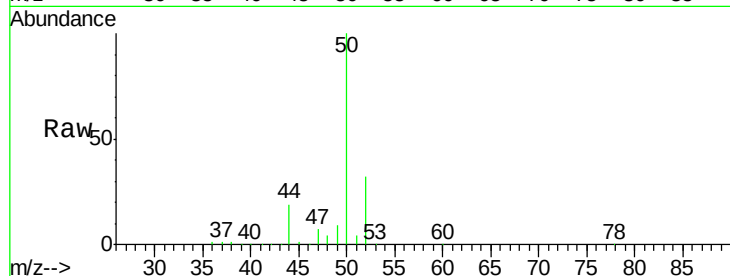
52 32.4 26.2 39.2

Manual Integrations

APPROVED

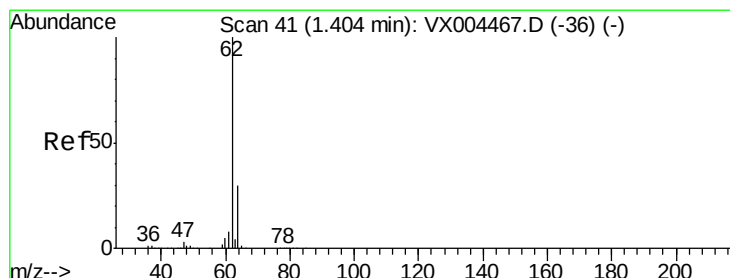
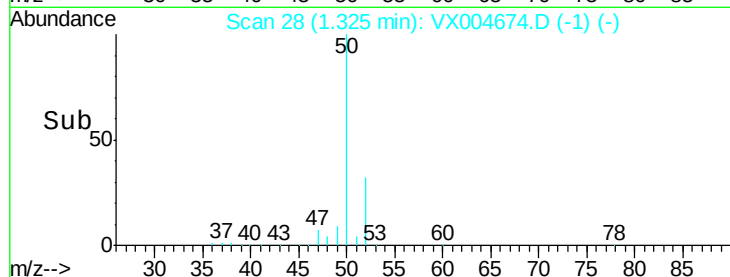
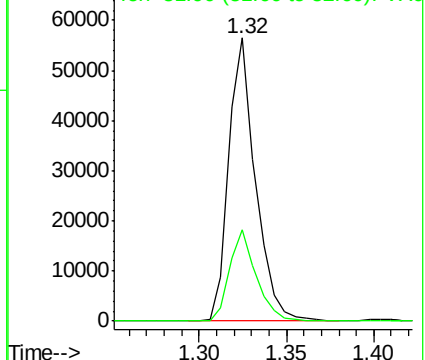
apatel

9/21/2018 11:00:42 AM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 18.64 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX004674.D

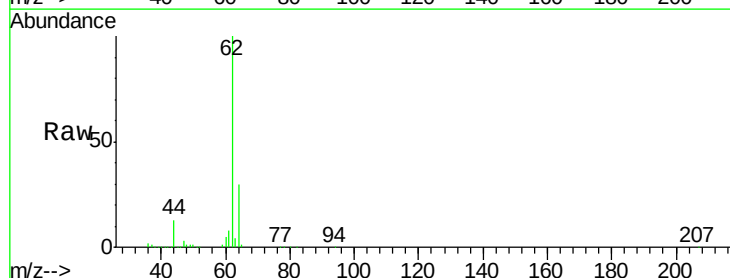
Acq: 18 Sep 2018 23:23

Tgt Ion: 62 Resp: 66933

Ion Ratio Lower Upper

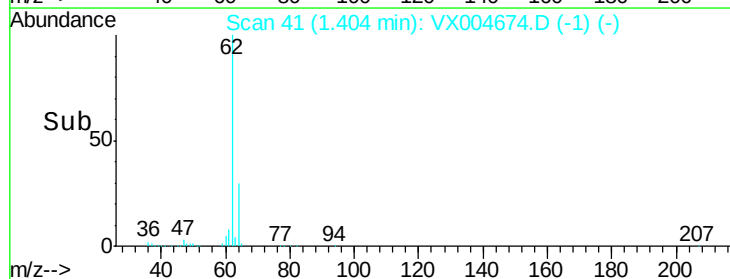
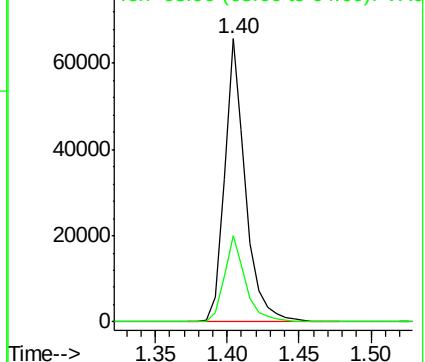
62 100

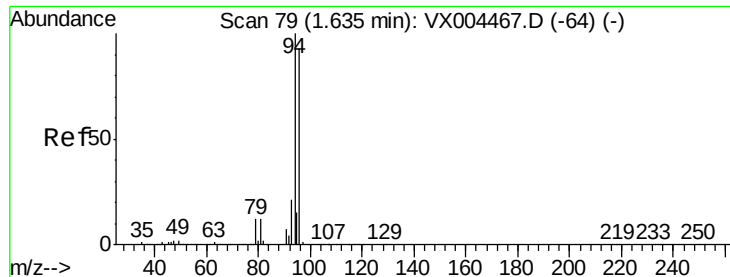
64 30.4 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 21.08 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004674.D

Acq: 18 Sep 2018 23:23

Tot Ion: 94 Resp: 32714

Ion Ratio Lower Upper

94 100

96 102.6 74.5 111.7

Instrument :

MSVOA_X

ClientSampleId :

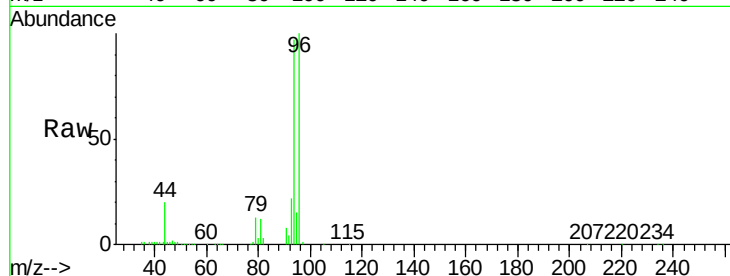
VX0918WBSD02

Manual Integrations

APPROVED

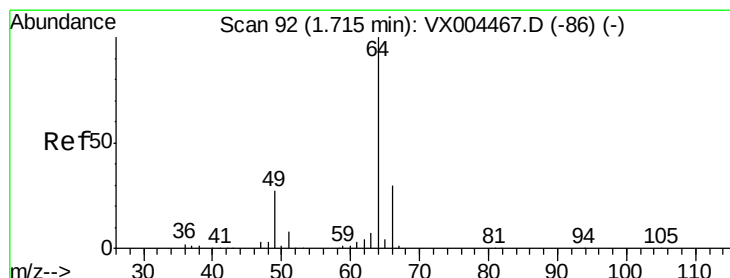
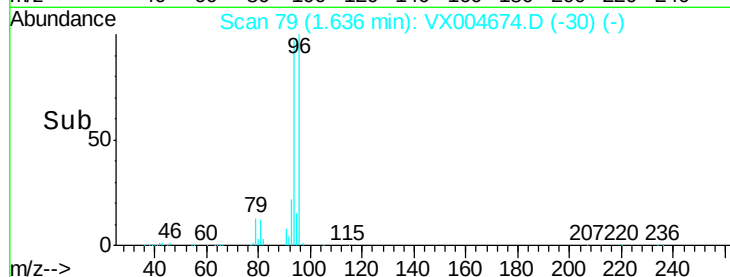
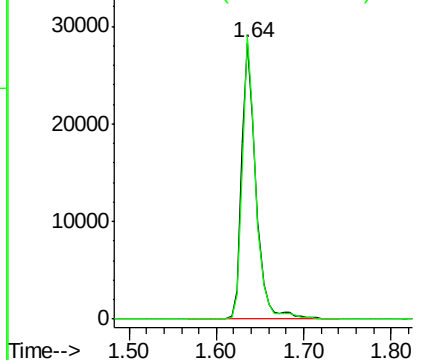
apatel

9/21/2018 11:00:42 AM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 17.07 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX004674.D

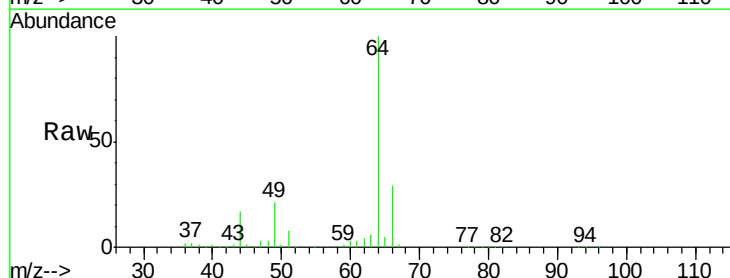
Acq: 18 Sep 2018 23:23

Tgt Ion: 64 Resp: 39621

Ion Ratio Lower Upper

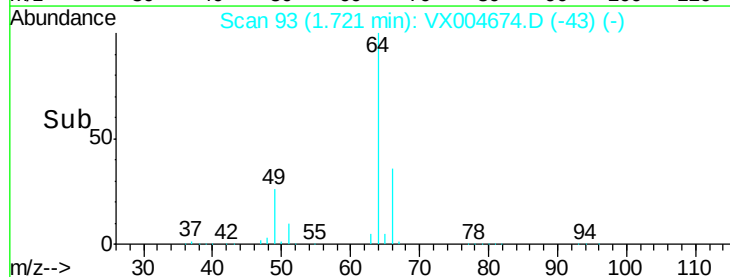
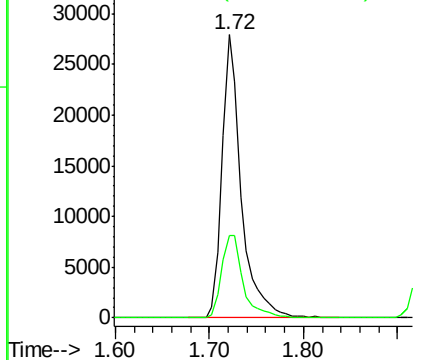
64 100

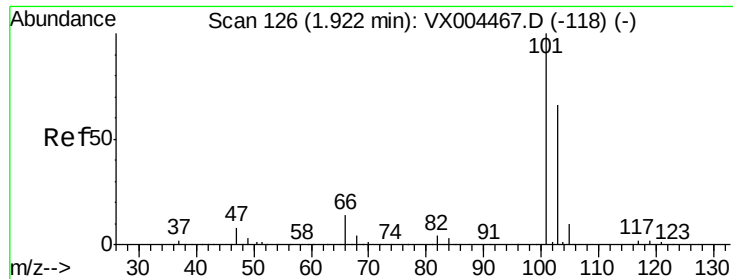
66 29.1 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

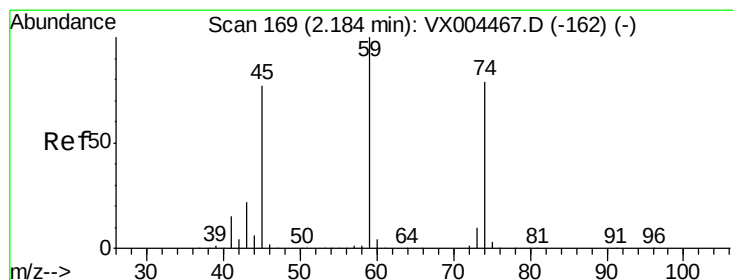
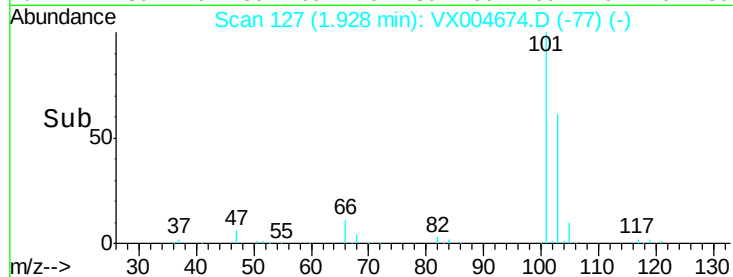
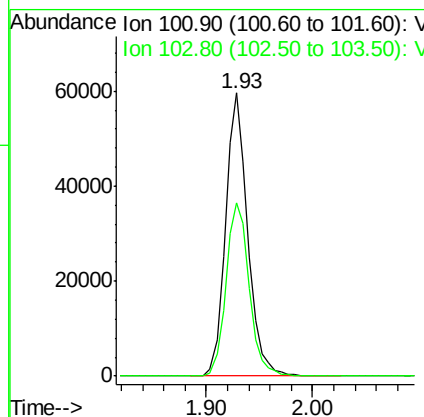
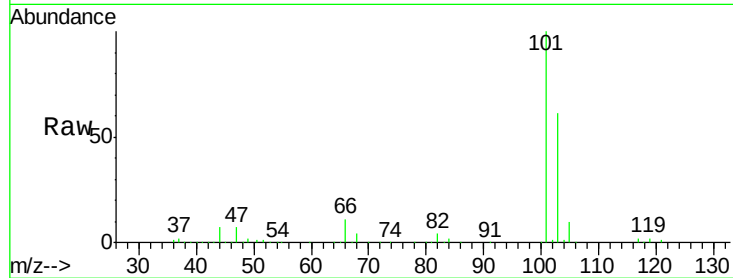
Trichlorofluoromethane
 Concen: 18.09 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX004674.D
 Acq: 18 Sep 2018 23:23

Instrument :
 MSVOA_X
 ClientSampled :
 VX0918WBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.2	48.9	73.3

Manual Integrations
 APPROVED

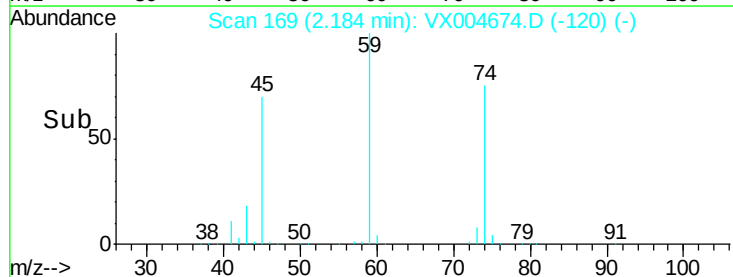
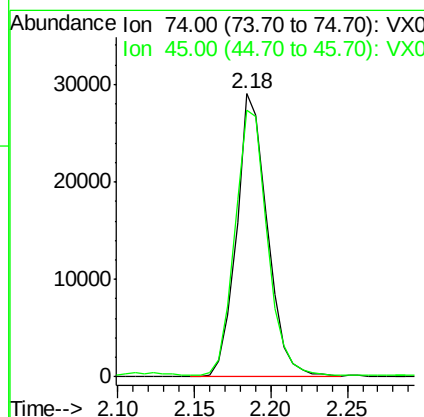
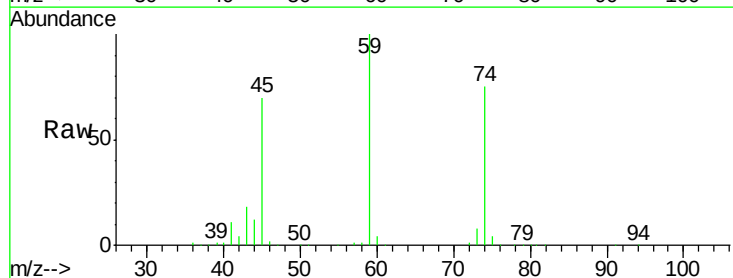
apatel
 9/21/2018 11:00:42 AM

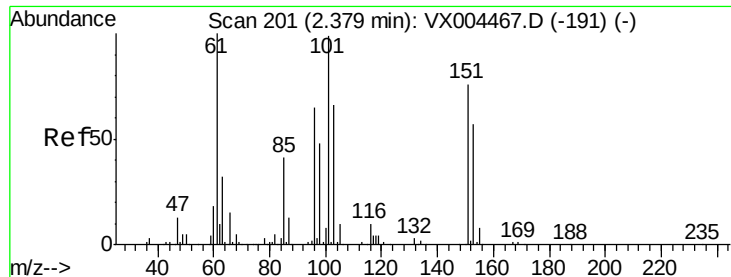


#8

Diethyl Ether
 Concen: 19.00 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. 0.00 min
 Lab File: VX004674.D
 Acq: 18 Sep 2018 23:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.8	48.3	144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.50 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX004674.D

Acq: 18 Sep 2018 23:23

Instrument :

MSVOA_X

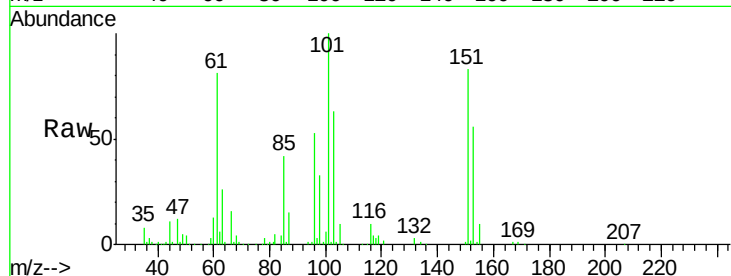
ClientSampleId :

VX0918WBSD02

Tot Ion:	101	Resp:	52833
Ion Ratio	Lower	Upper	
101	100		
85	42.8	34.2	51.4
151	86.4	65.0	97.6

Manual Integrations
APPROVED

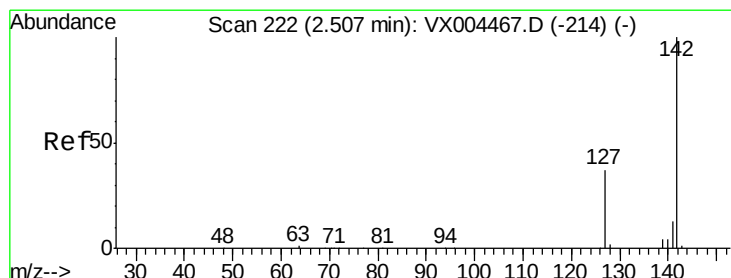
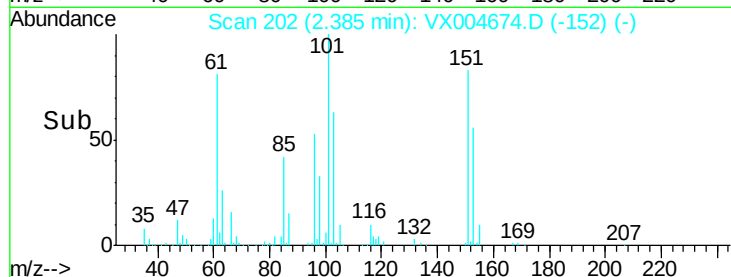
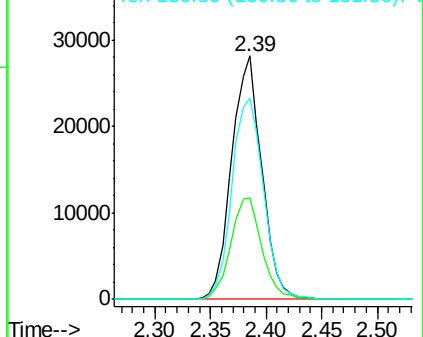
apatel
9/21/2018 11:00:42 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.18 ug/l

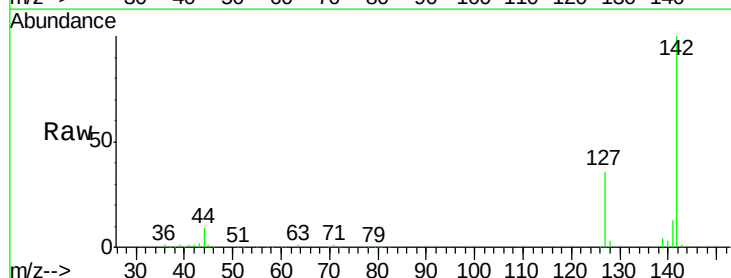
RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX004674.D

Acq: 18 Sep 2018 23:23

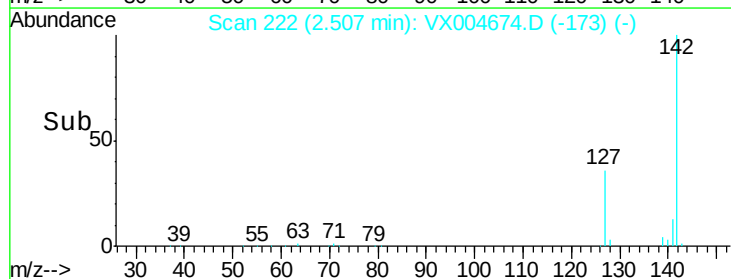
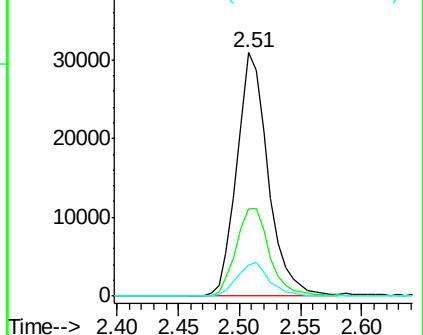
Tgt Ion:	142	Resp:	54926
Ion Ratio	Lower	Upper	
142	100		
127	38.5	33.8	50.6
141	14.1	11.4	17.0

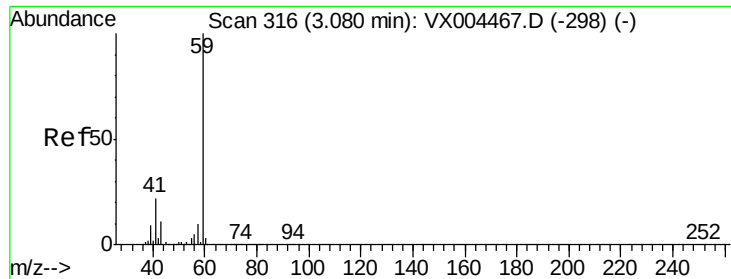


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





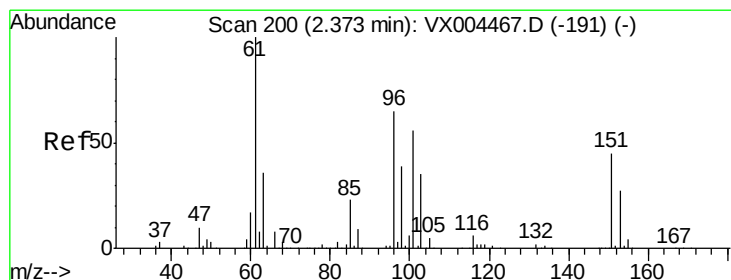
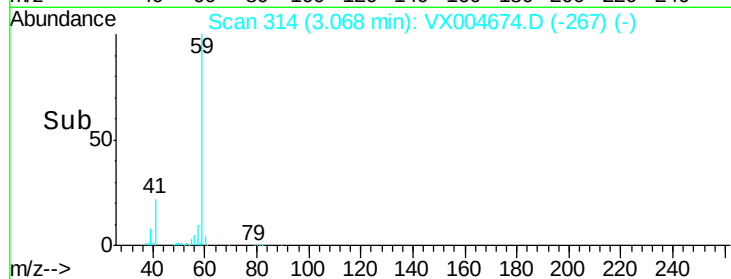
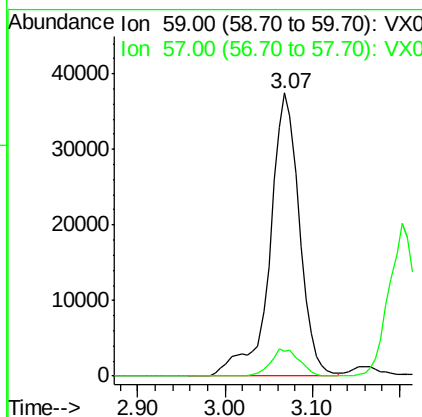
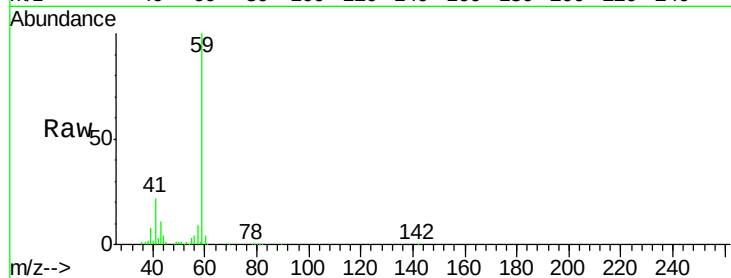
#11
Tert butyl alcohol
Concen: 105.64 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX004674.D
Acq: 18 Sep 2018 23:23

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD02

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.5	8.2	12.4

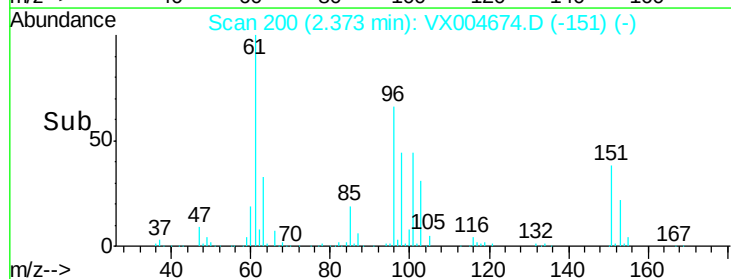
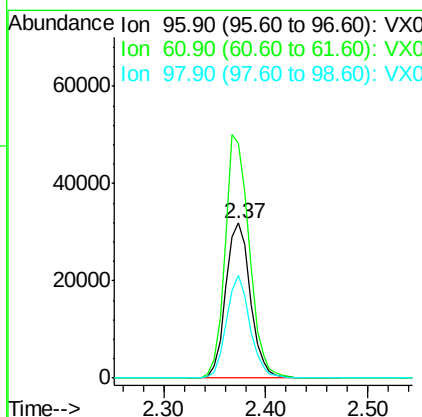
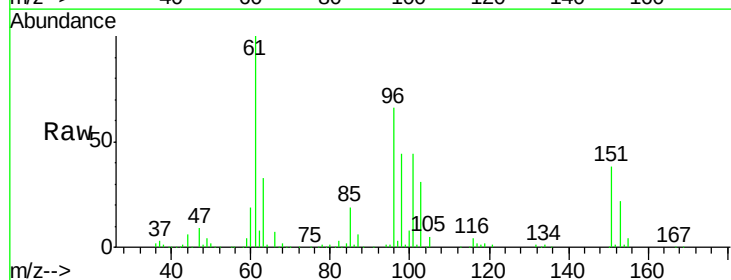
Manual Integrations
APPROVED

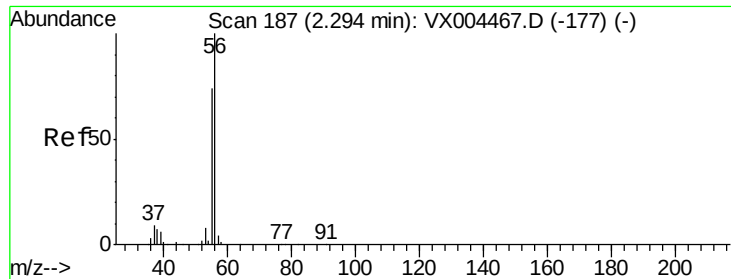
apatel
9/21/2018 11:00:42 AM



#12
1,1-Dichloroethene
Concen: 18.84 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX004674.D
Acq: 18 Sep 2018 23:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.5	128.8	193.2
98	66.0	52.2	78.2





#13

Acrolein

Concen: 49.55 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX004674.D

Acq: 18 Sep 2018 23:23

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD02

Tot Ion: 56 Resp: 16322

Ion Ratio Lower Upper

56 100

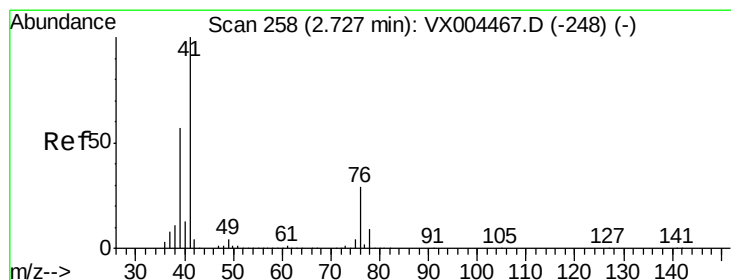
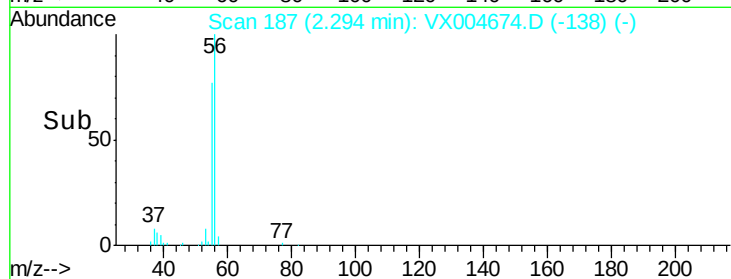
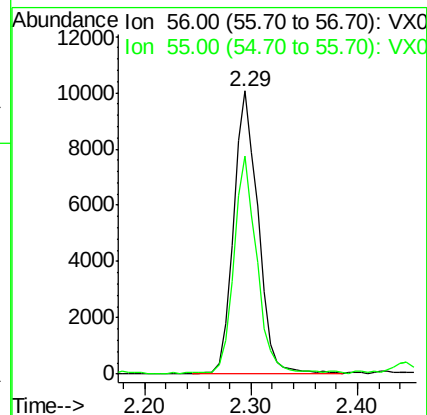
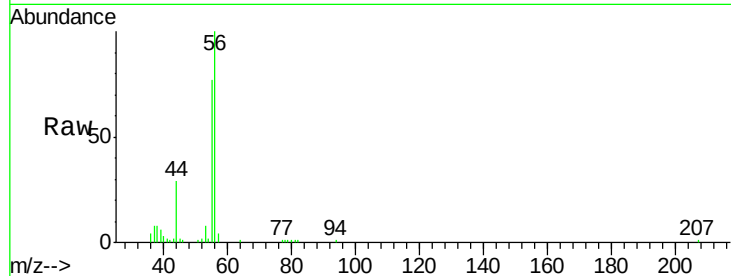
55 73.3 54.7 82.1

Manual Integrations

APPROVED

apatel

9/21/2018 11:00:42 AM



#14

Allyl chloride

Concen: 17.60 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX004674.D

Acq: 18 Sep 2018 23:23

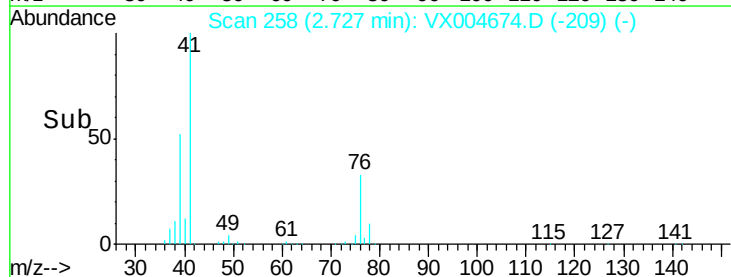
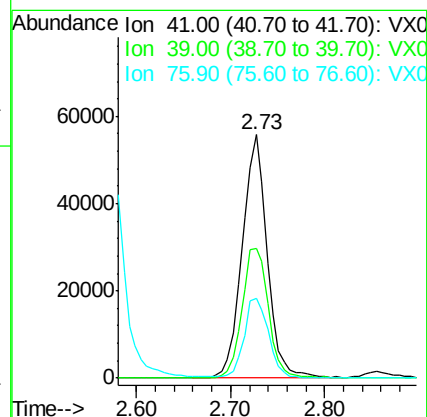
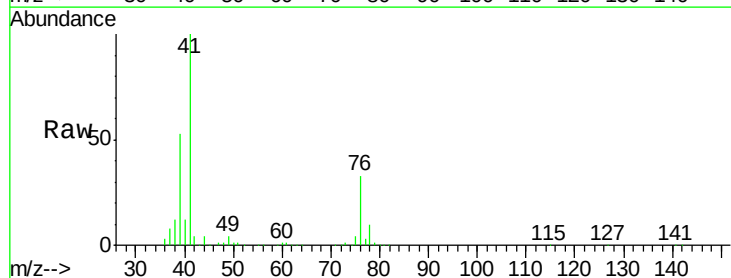
Tgt Ion: 41 Resp: 102513

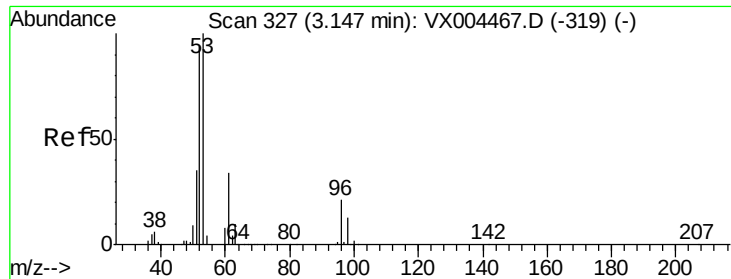
Ion Ratio Lower Upper

41 100

39 56.4 48.9 73.3

76 32.7 26.7 40.1





#15

Acrylonitrile

Concen: 90.88 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX004674.D

Acq: 18 Sep 2018 23:23

Instrument :

MSVOA_X

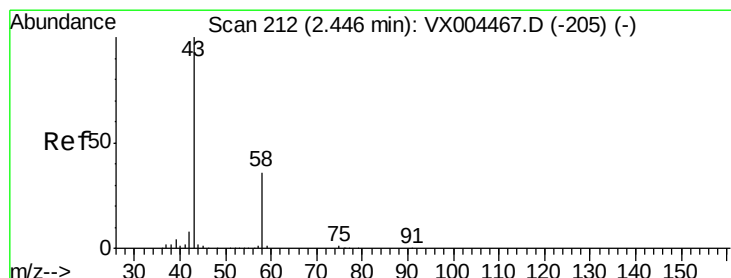
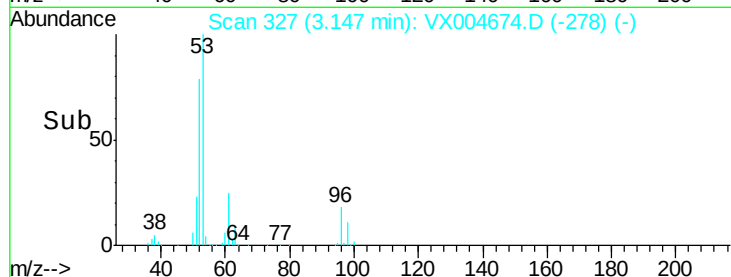
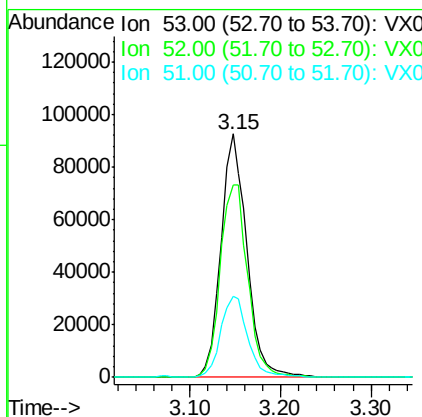
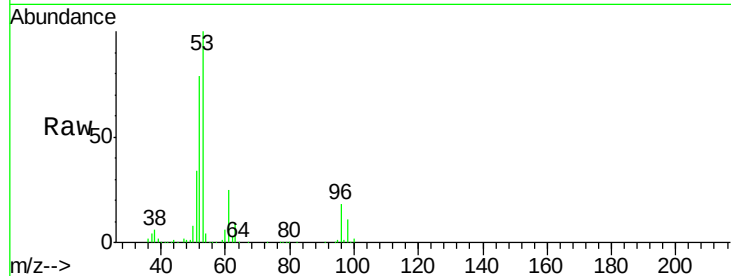
ClientSampleId :

VX0918WBSD02

Tot Ion:	53	Resp:	182618
Ion Ratio		Lower	Upper
53	100		
52	84.7	65.2	97.8
51	35.2	28.2	42.2

Manual Integrations
APPROVED

apatel
9/21/2018 11:00:42 AM



#16

Acetone

Concen: 84.03 ug/l

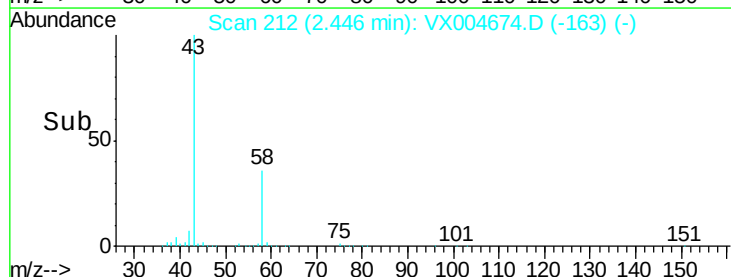
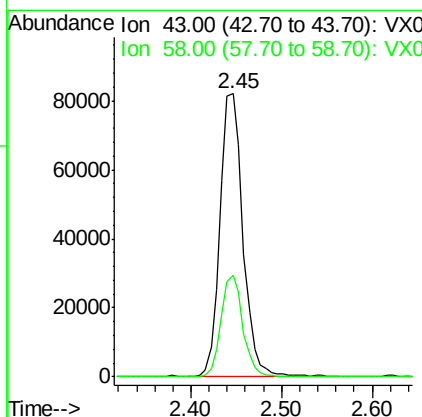
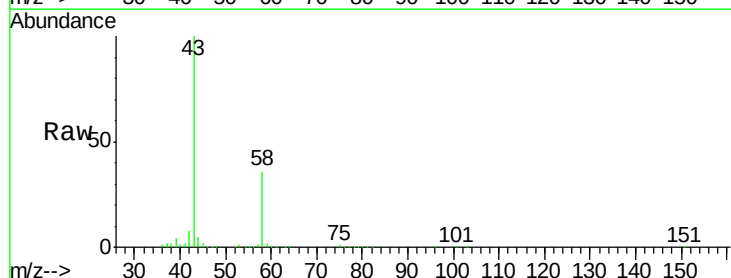
RT: 2.45 min Scan# 212

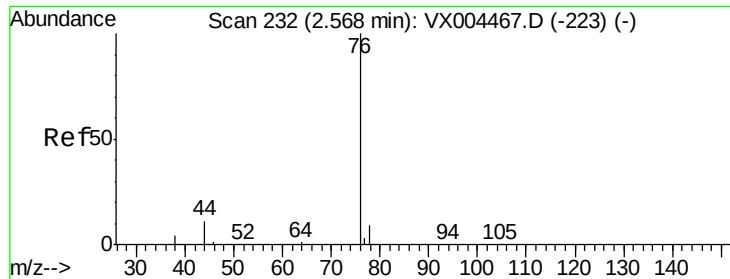
Delta R.T. 0.00 min

Lab File: VX004674.D

Acq: 18 Sep 2018 23:23

Tgt Ion:	43	Resp:	143422
Ion Ratio		Lower	Upper
43	100		
58	35.9	26.2	39.4





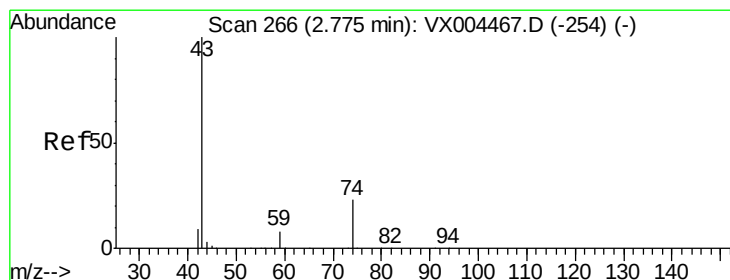
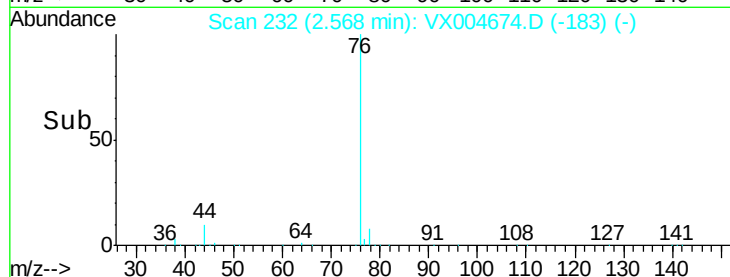
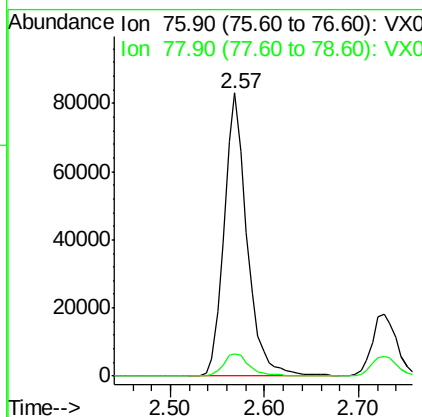
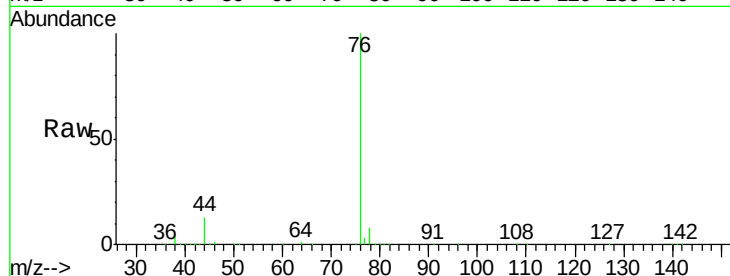
#17
Carbon Disulfide
Concen: 17.14 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX004674.D
Acq: 18 Sep 2018 23:23

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	7.7	7.0	10.6

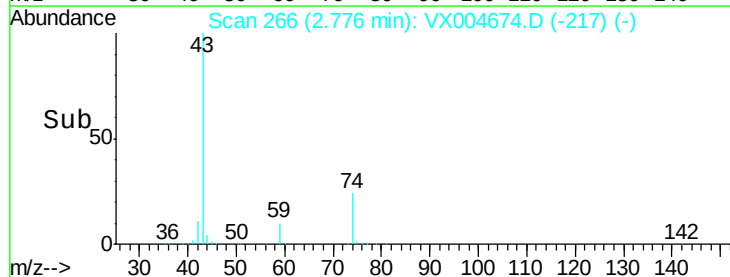
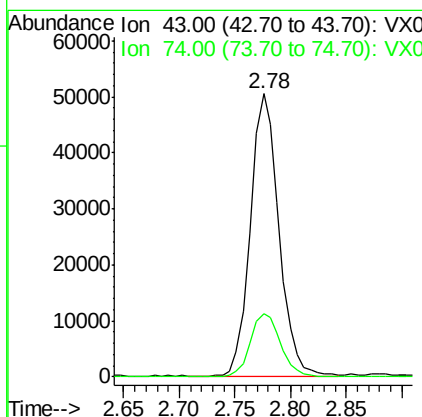
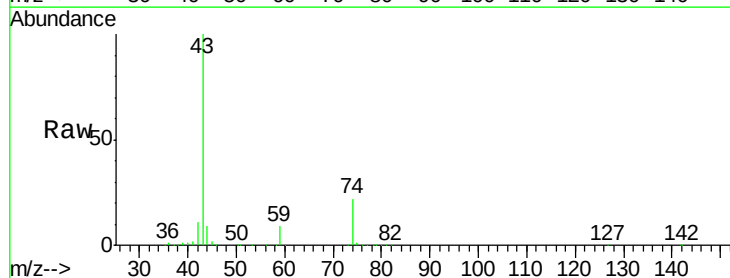
Manual Integrations
APPROVED

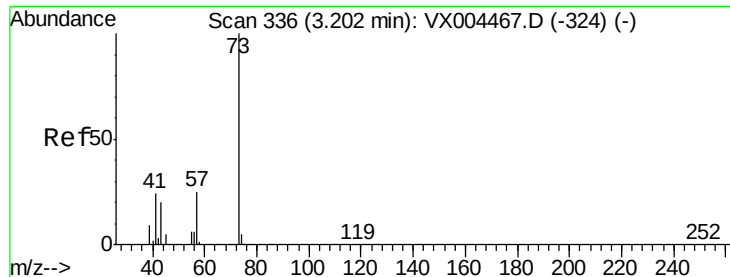
apatel
9/21/2018 11:00:42 AM



#18
Methyl Acetate
Concen: 18.81 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX004674.D
Acq: 18 Sep 2018 23:23

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	19.4	29.2





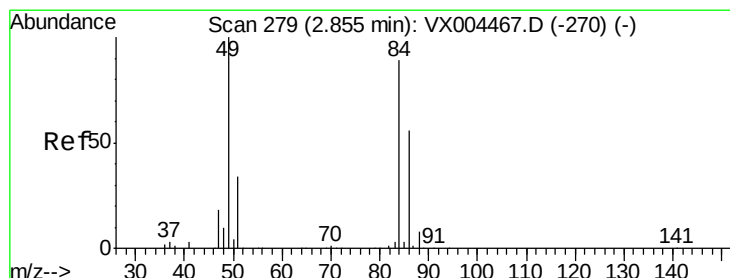
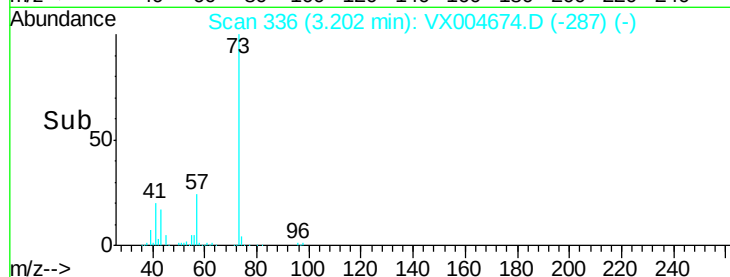
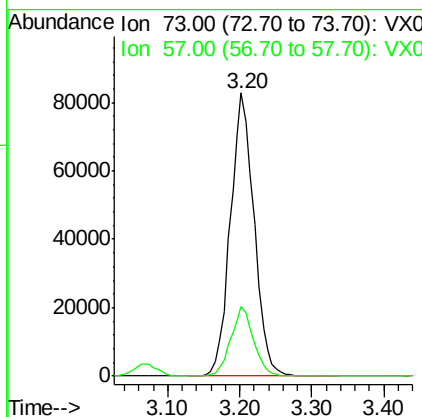
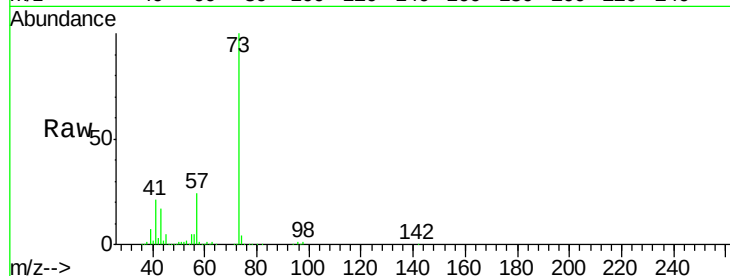
#19
Methyl tert-butyl Ether
Concen: 19.00 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX004674.D
Acq: 18 Sep 2018 23:23

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD02

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.4	17.1	25.7

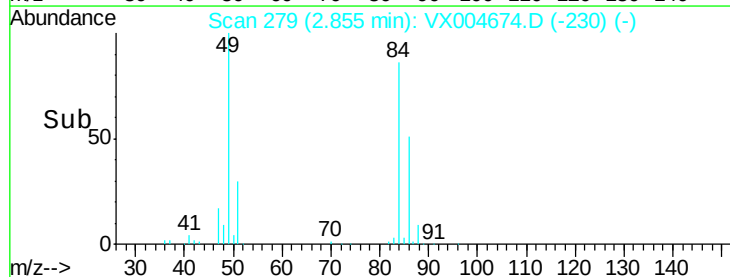
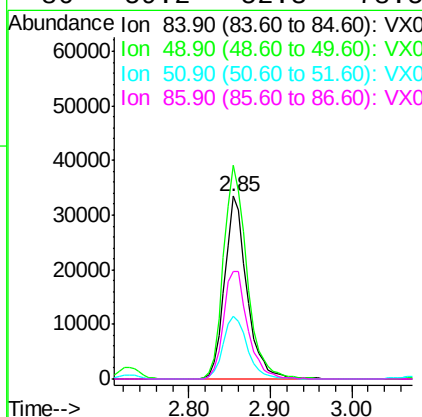
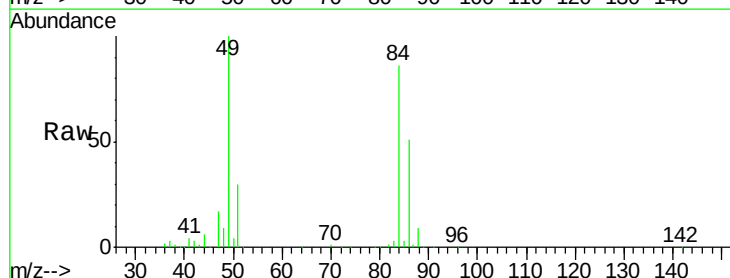
Manual Integrations
APPROVED

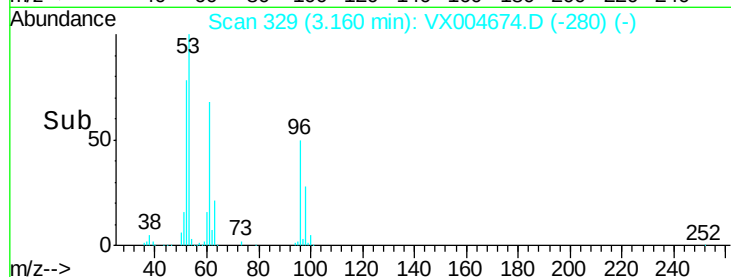
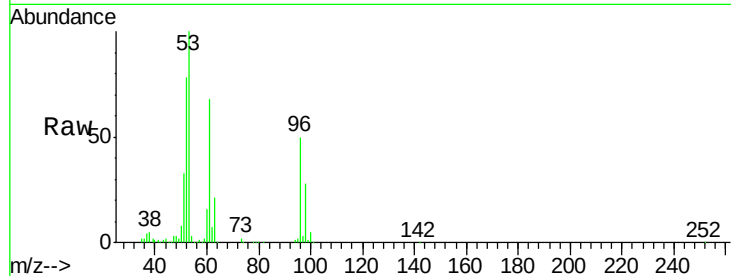
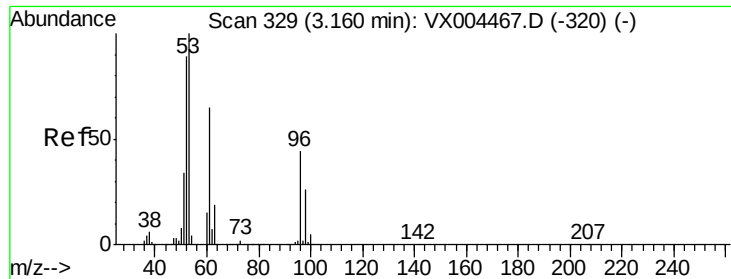
apatel
9/21/2018 11:00:42 AM



#20
Methylene Chloride
Concen: 18.02 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX004674.D
Acq: 18 Sep 2018 23:23

Tgt Ion	Ratio	Lower	Upper
84	100		
49	116.9	101.2	151.8
51	34.4	29.5	44.3
86	59.2	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 18.90 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX004674.D

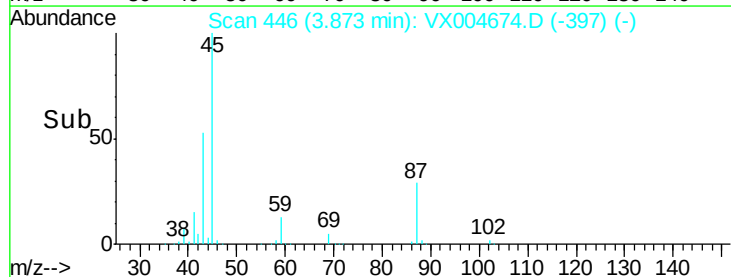
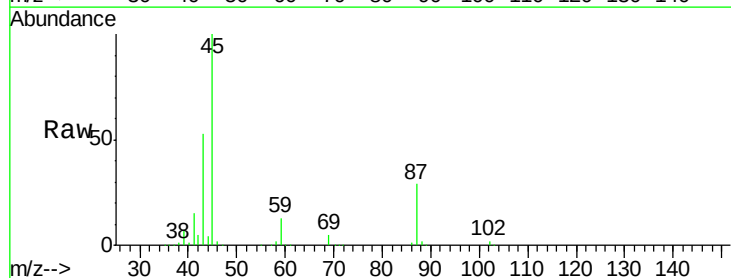
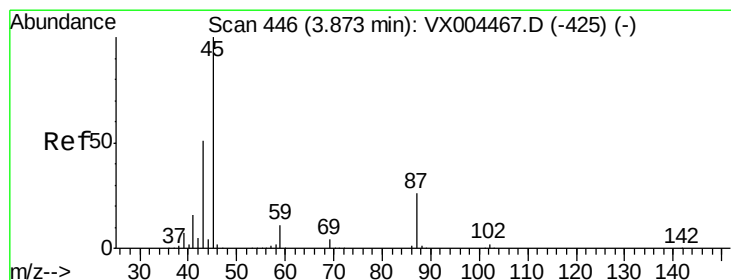
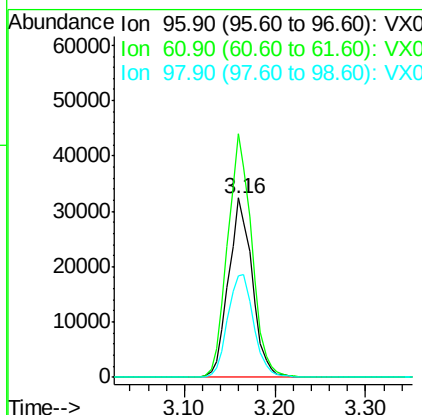
Acq: 18 Sep 2018 23:23

Tot Ion:	96	Resp:	59180
Ion	Ratio	Lower	Upper
96	100		
61	135.6	113.8	170.6
98	56.6	51.8	77.8

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD02

Manual Integrations
APPROVED

apatel
9/21/2018 11:00:42 AM



#22

Diisopropyl ether

Concen: 18.67 ug/l

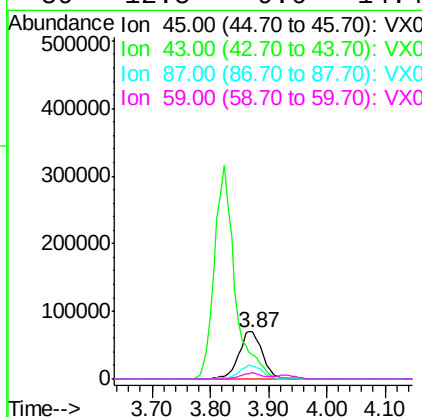
RT: 3.87 min Scan# 446

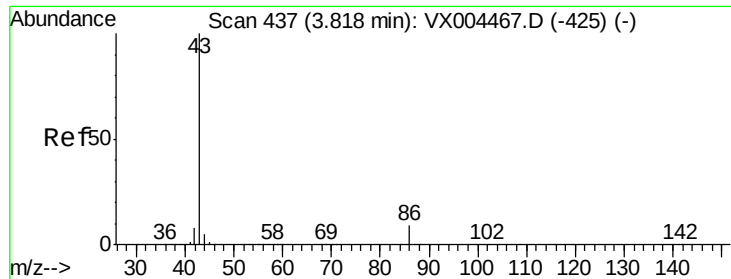
Delta R.T. 0.00 min

Lab File: VX004674.D

Acq: 18 Sep 2018 23:23

Tgt Ion:	45	Resp:	195894
Ion	Ratio	Lower	Upper
45	100		
43	52.8	42.8	64.2
87	28.5	22.6	34.0
59	12.5	9.6	14.4





#23

Vinyl Acetate

Concen: 91.31 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX004674.D

Acq: 18 Sep 2018 23:23

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD02

Tot Ion: 43 Resp: 775314

Ion Ratio Lower Upper

43 100

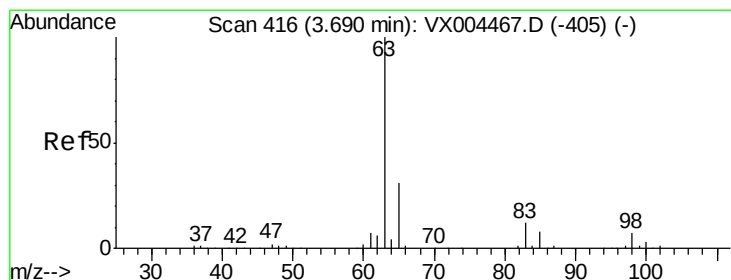
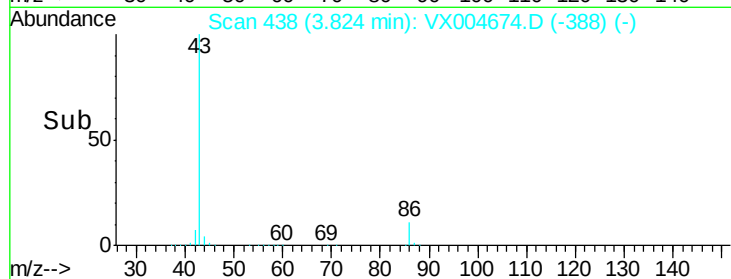
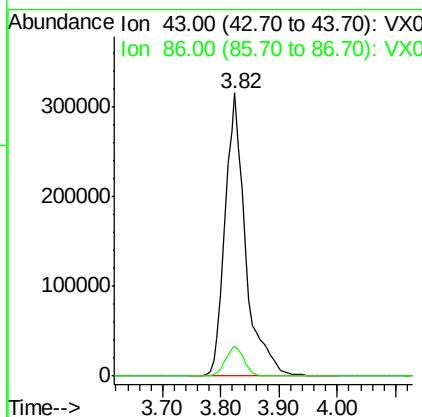
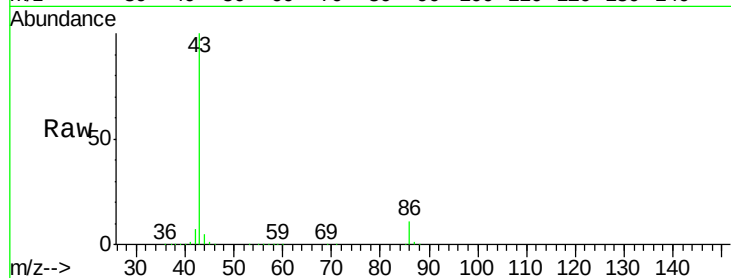
86 10.8 8.9 13.3

Manual Integrations

APPROVED

apatel

9/21/2018 11:00:42 AM



#24

1,1-Dichloroethane

Concen: 18.64 ug/l

RT: 3.69 min Scan# 416

Delta R.T. 0.00 min

Lab File: VX004674.D

Acq: 18 Sep 2018 23:23

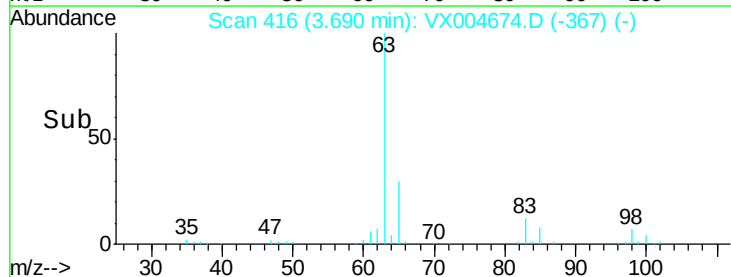
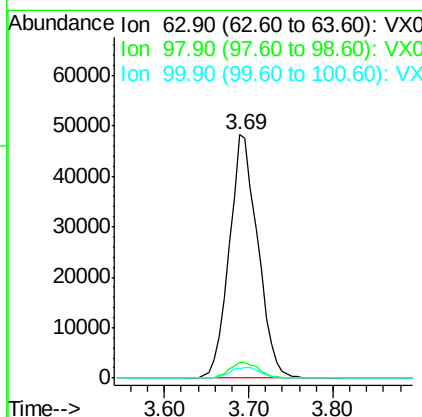
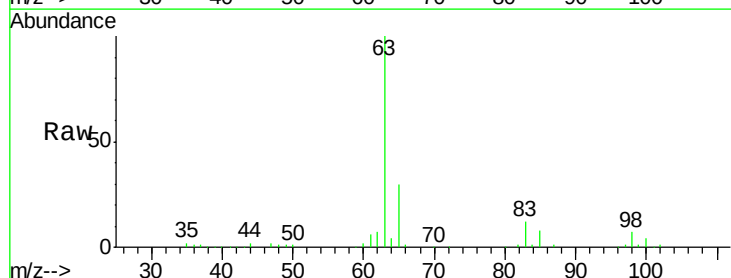
Tgt Ion: 63 Resp: 110434

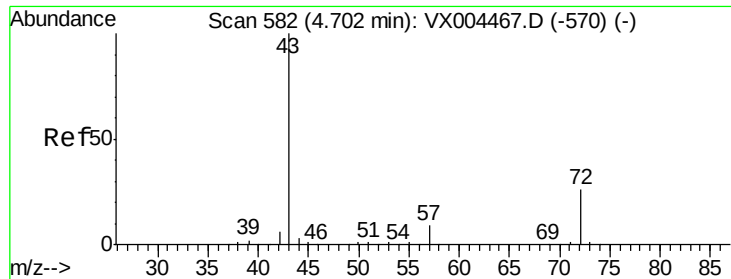
Ion Ratio Lower Upper

63 100

98 6.6 3.5 10.4

100 3.7 2.4 7.1





#25

2-Butanone

Concen: 86.38 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX004674.D

Acq: 18 Sep 2018 23:23

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD02

Tot Ion: 43 Resp: 234646

Ion Ratio Lower Upper

43 100

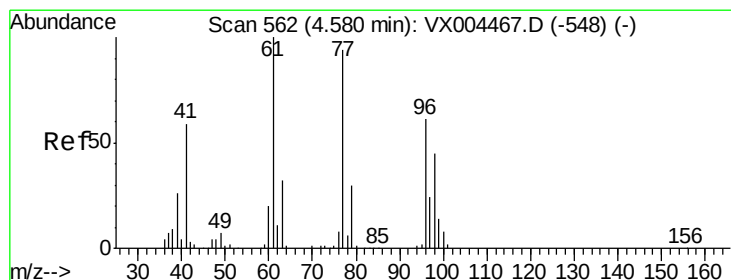
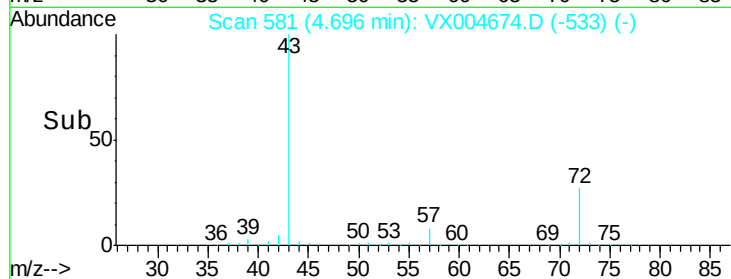
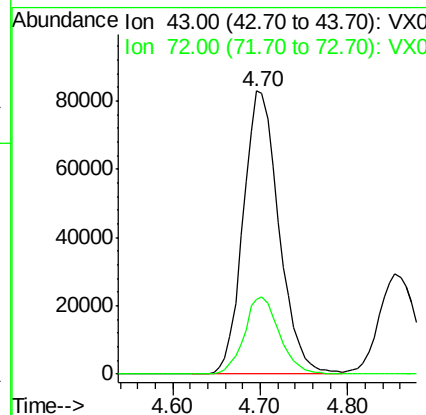
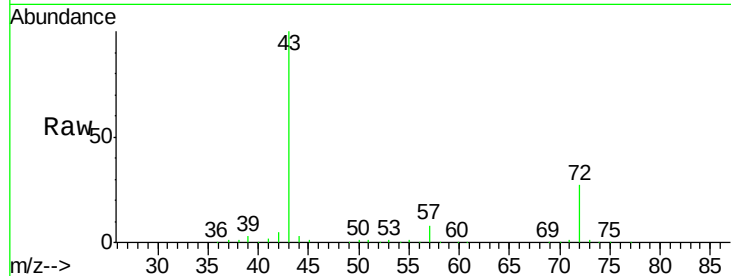
72 26.5 22.0 33.0

Manual Integrations

APPROVED

apatel

9/21/2018 11:00:42 AM



#26

2,2-Dichloropropane

Concen: 16.06 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX004674.D

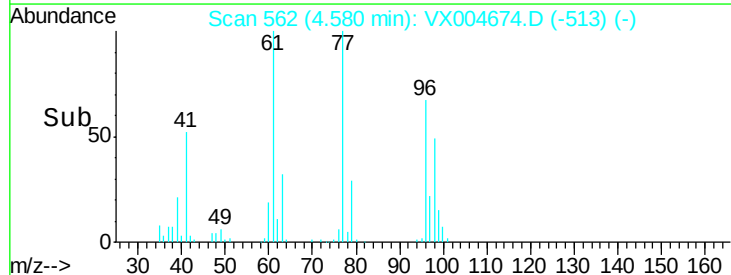
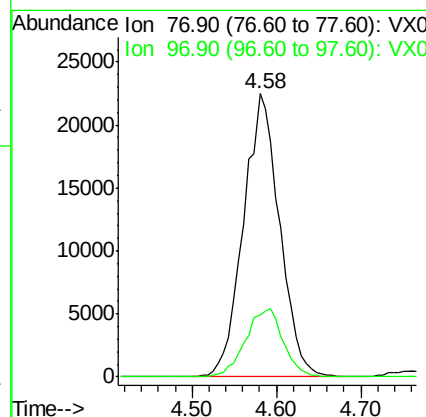
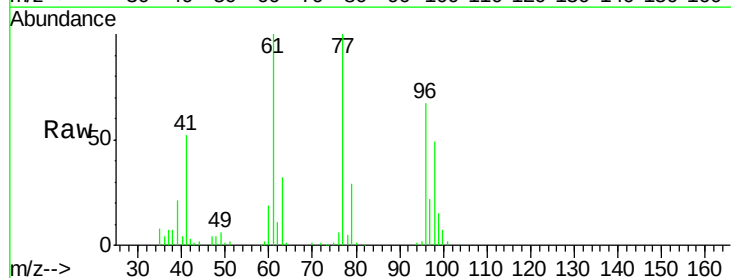
Acq: 18 Sep 2018 23:23

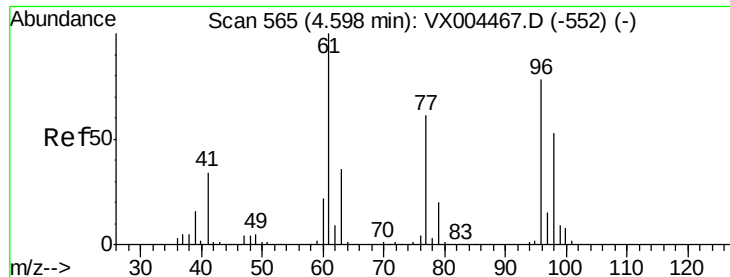
Tgt Ion: 77 Resp: 65345

Ion Ratio Lower Upper

77 100

97 25.1 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 19.16 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.01 min

Lab File: VX004674.D

Acq: 18 Sep 2018 23:23

Instrument :

MSVOA_X

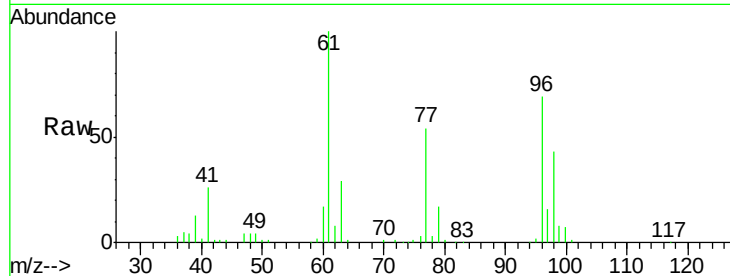
ClientSampleId :

VX0918WBSD02

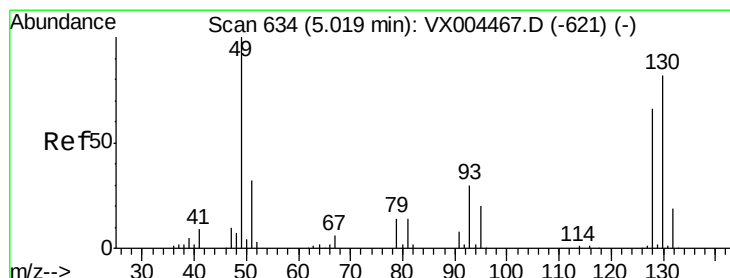
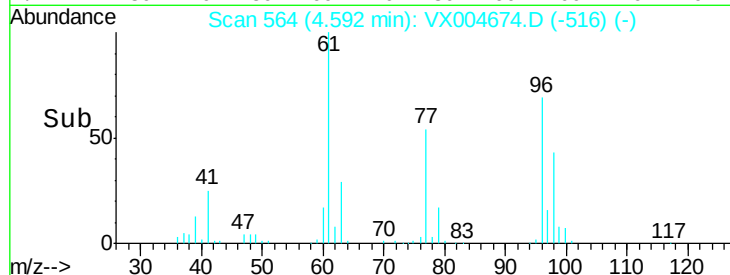
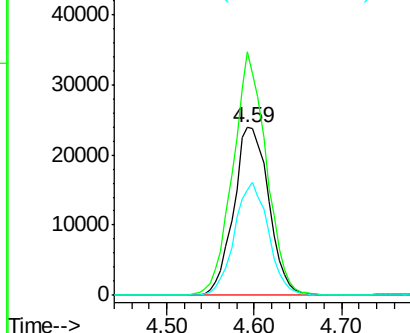
Tot Ion:	96	Resp:	66963
Ion	Ratio	Lower	Upper
96	100		
61	138.0	0.0	282.6
98	65.0	0.0	130.2

Manual Integrations
APPROVED

apatel
9/21/2018 11:00:42 AM



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane

Concen: 17.94 ug/l

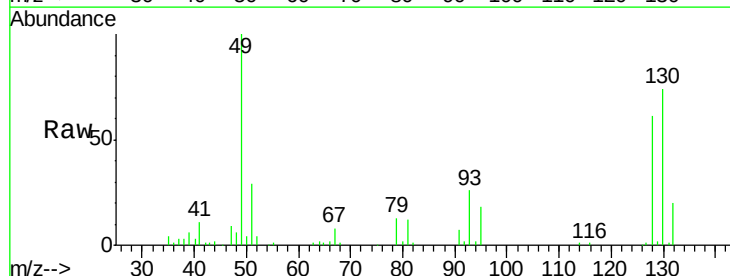
RT: 5.02 min Scan# 634

Delta R.T. 0.00 min

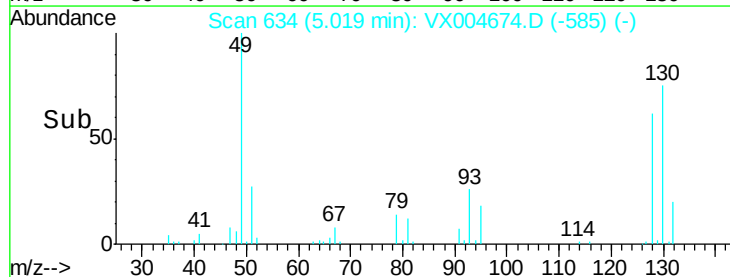
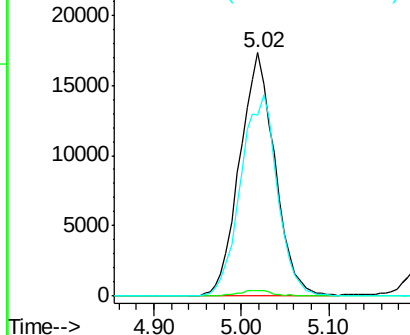
Lab File: VX004674.D

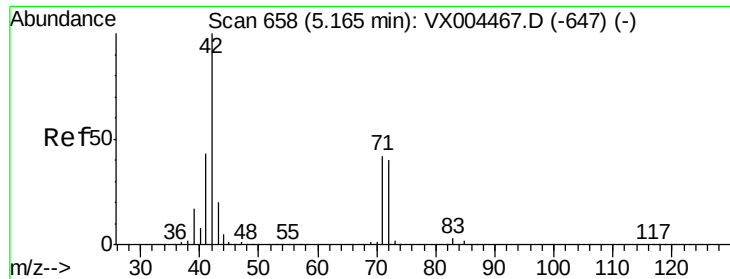
Acq: 18 Sep 2018 23:23

Tgt Ion:	49	Resp:	48604
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	86.2	67.5	101.3



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





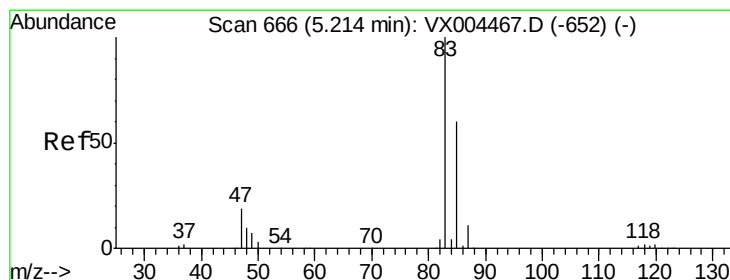
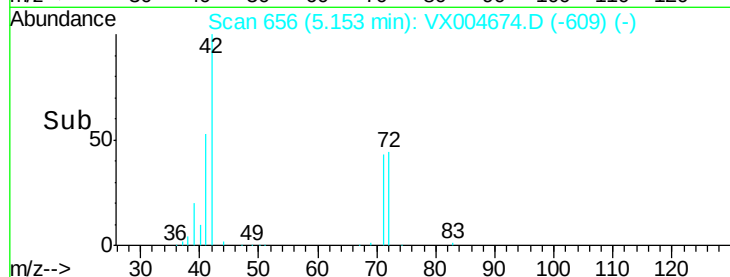
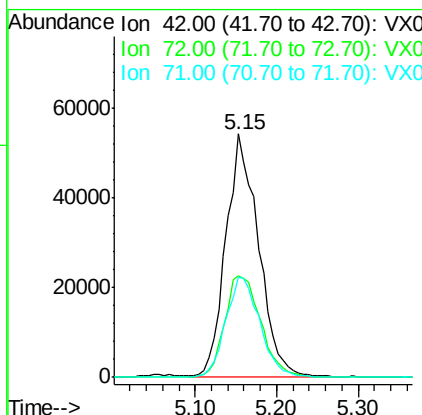
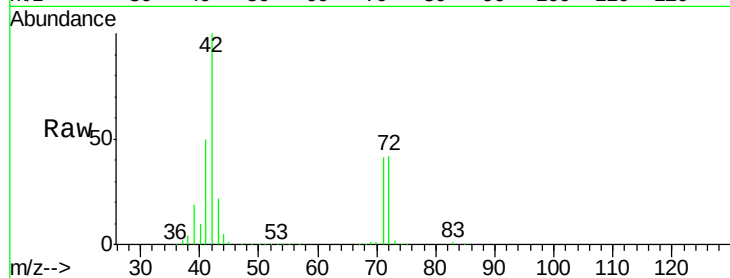
#29
Tetrahydrofuran
Concen: 91.31 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.01 min
Lab File: VX004674.D
Acq: 18 Sep 2018 23:23

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.4	37.4	56.0
71	43.3	34.5	51.7

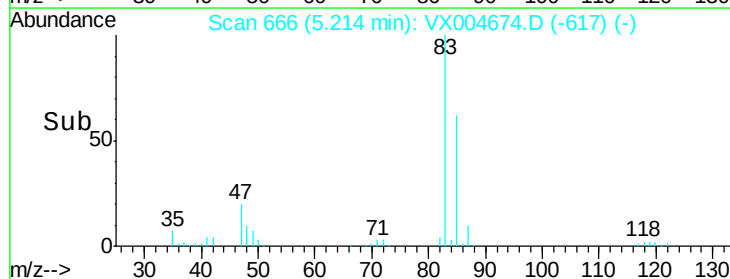
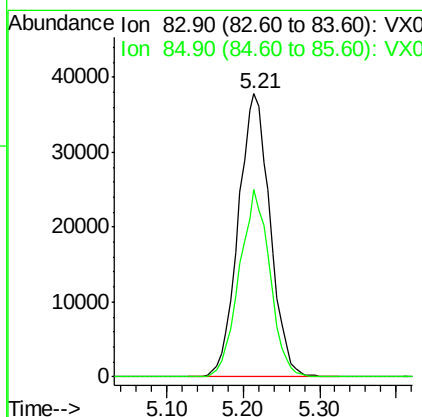
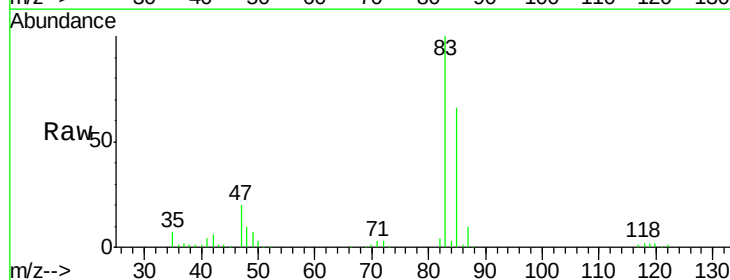
Manual Integrations
APPROVED

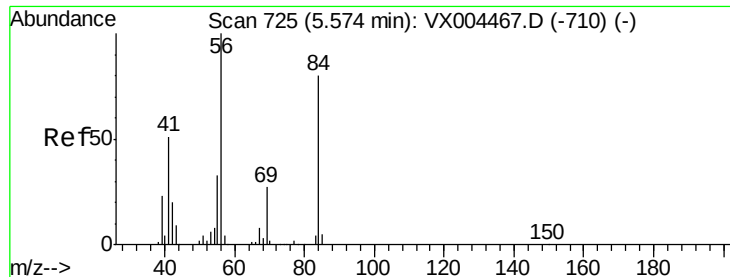
apatel
9/21/2018 11:00:42 AM



#30
Chloroform
Concen: 18.84 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX004674.D
Acq: 18 Sep 2018 23:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	52.6	79.0





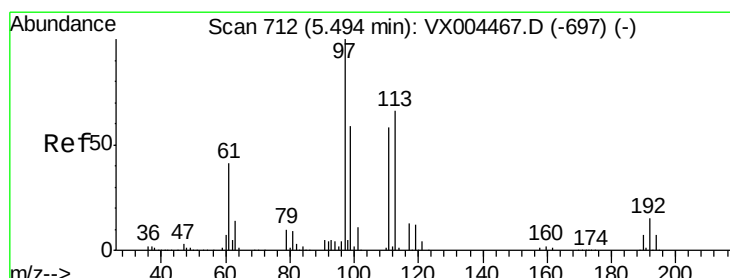
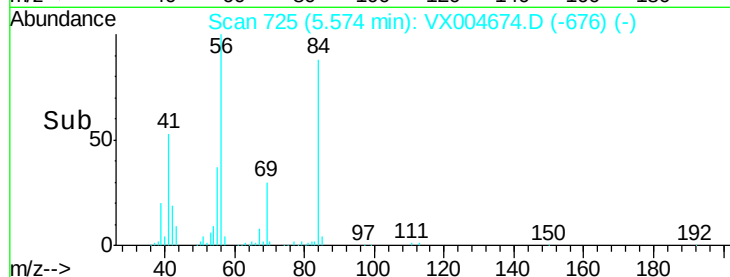
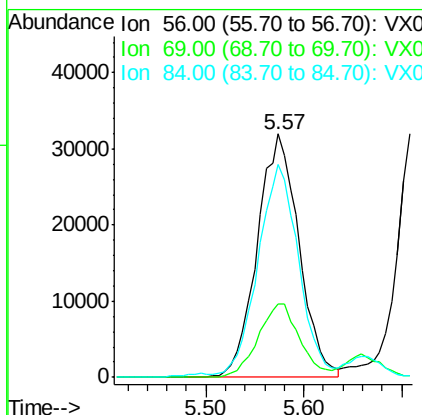
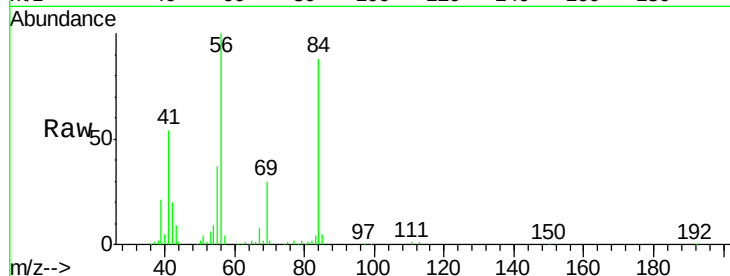
#31
Cyclohexane
Concen: 18.71 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX004674.D
Acq: 18 Sep 2018 23:23

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.4	25.4	38.2
84	86.6	71.4	107.2

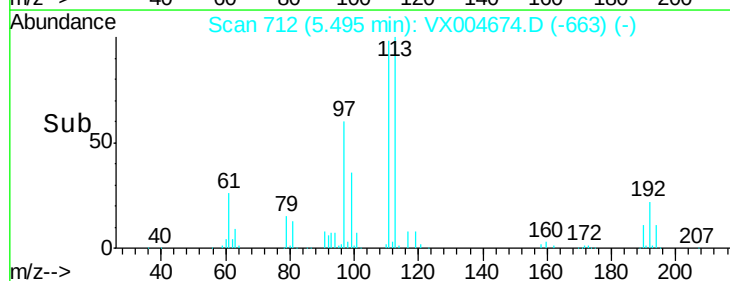
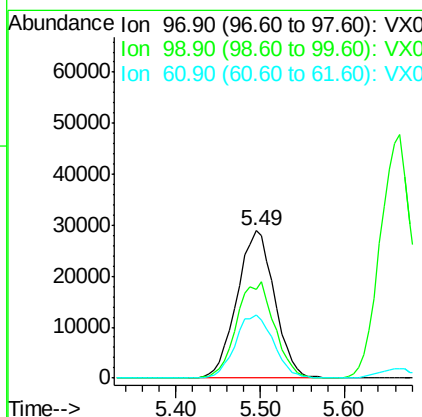
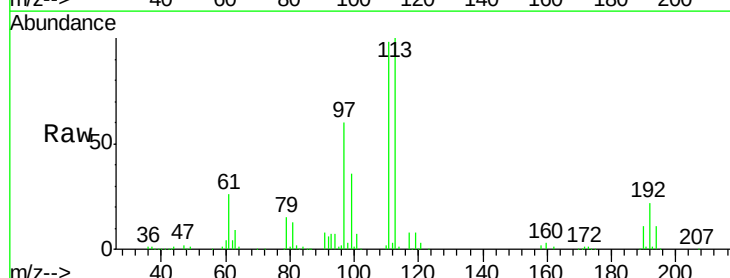
Manual Integrations
APPROVED

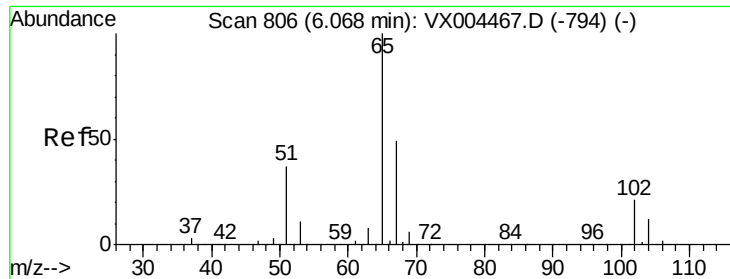
apatel
9/21/2018 11:00:42 AM



#32
1,1,1-Trichloroethane
Concen: 18.72 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX004674.D
Acq: 18 Sep 2018 23:23

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.0	52.0	78.0
61	43.6	34.9	52.3





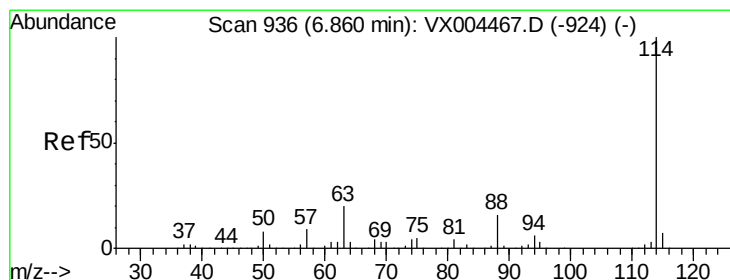
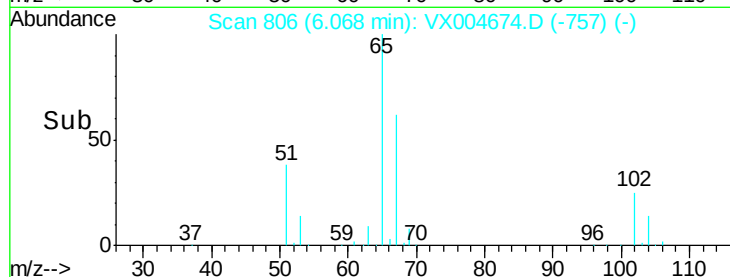
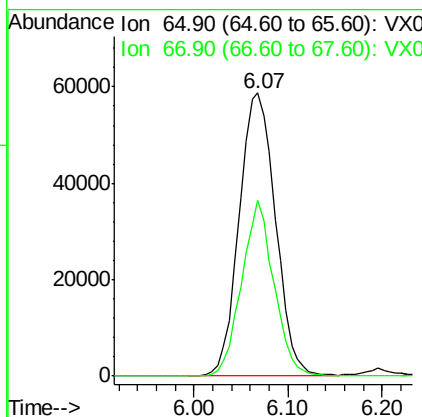
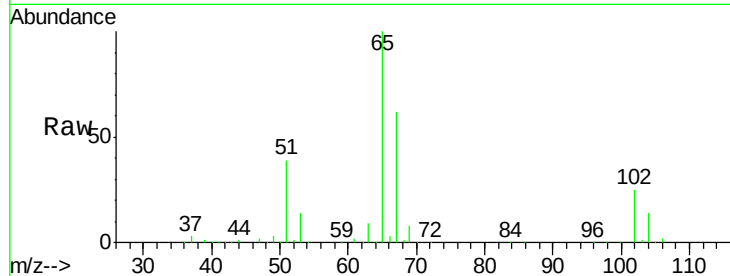
#33
 1,2-Dichloroethane-d4
 Concen: 45.06 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX004674.D
 Acq: 18 Sep 2018 23:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	157571		
67	55.2	0.0	106.8	

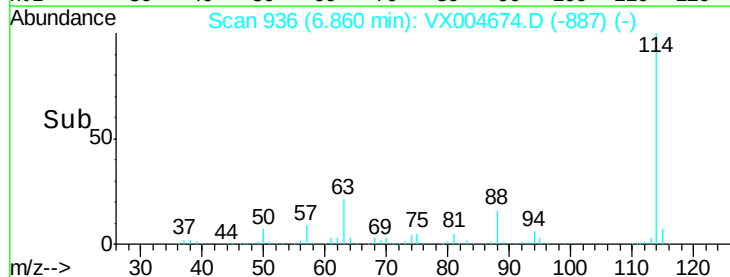
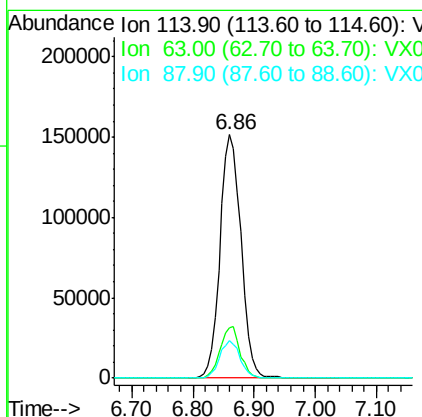
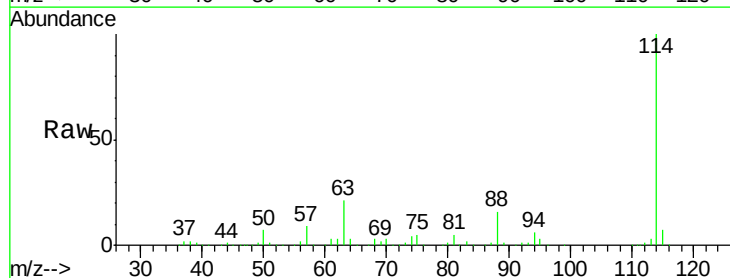
Manual Integrations
 APPROVED

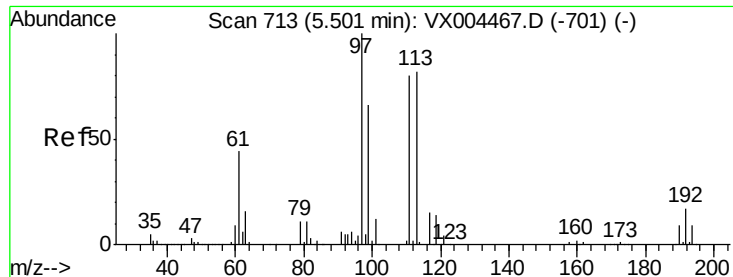
apatel
 9/21/2018 11:00:42 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX004674.D
 Acq: 18 Sep 2018 23:23

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	361816		
63	20.7	0.0	39.0	
88	15.6	0.0	30.4	





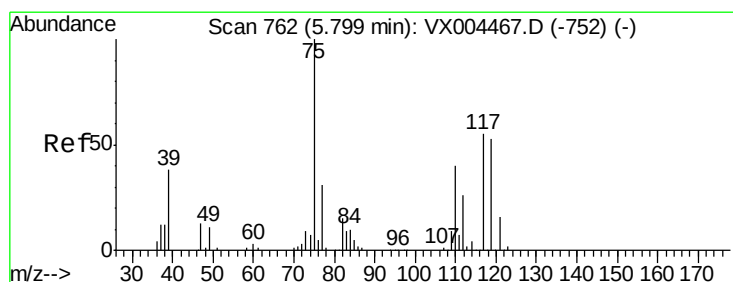
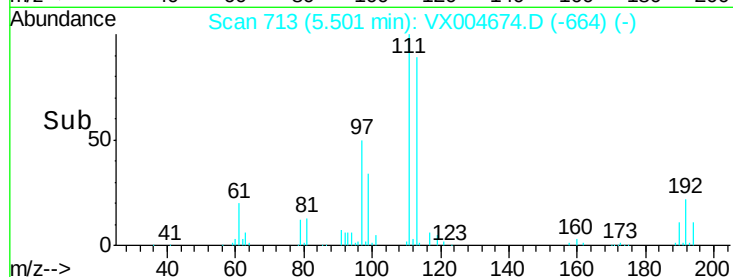
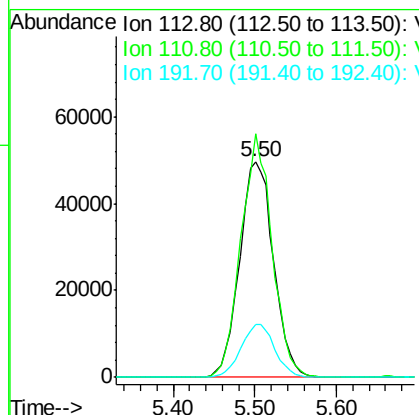
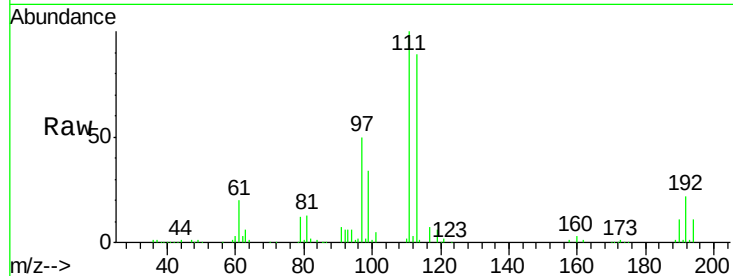
#35
 Dibromofluoromethane
 Concen: 43.24 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX004674.D
 Acq: 18 Sep 2018 23:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.9	82.4	123.6	
192	24.4	19.4	29.2	

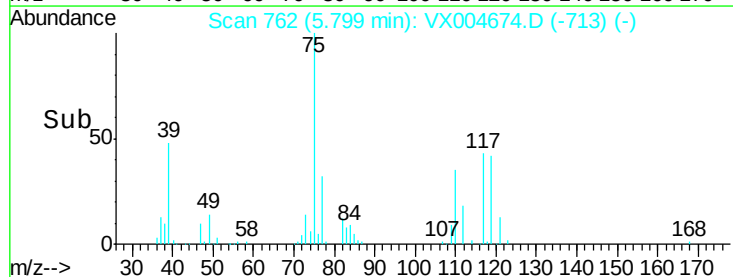
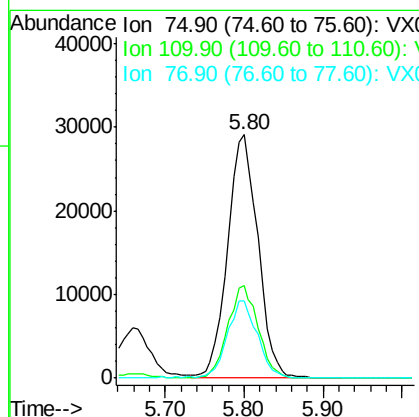
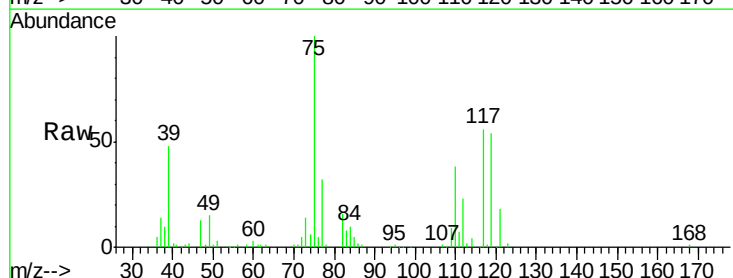
Manual Integrations
 APPROVED

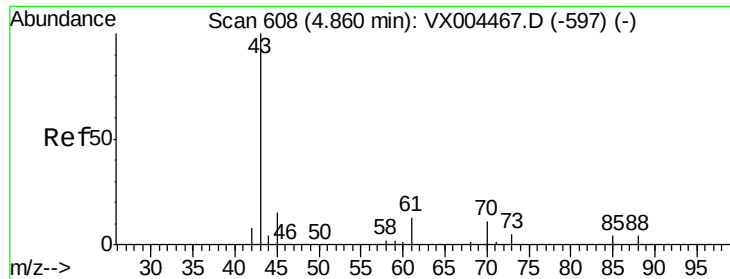
apatel
 9/21/2018 11:00:42 AM



#36
 1,1-Dichloropropene
 Concen: 17.76 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX004674.D
 Acq: 18 Sep 2018 23:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.5	18.0	54.0	
77	31.3	24.6	36.8	





#37

Ethyl Acetate

Concen: 17.35 ug/l

RT: 4.85 min Scan# 607

Delta R.T. -0.01 min

Lab File: VX004674.D

Acq: 18 Sep 2018 23:23

Instrument :

MSVOA_X

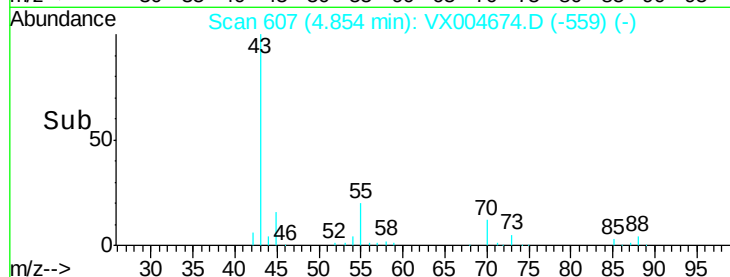
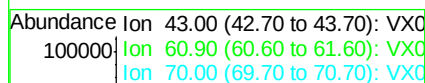
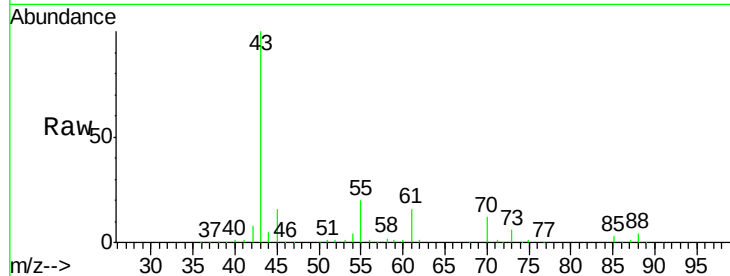
ClientSampleId :

VX0918WBSD02

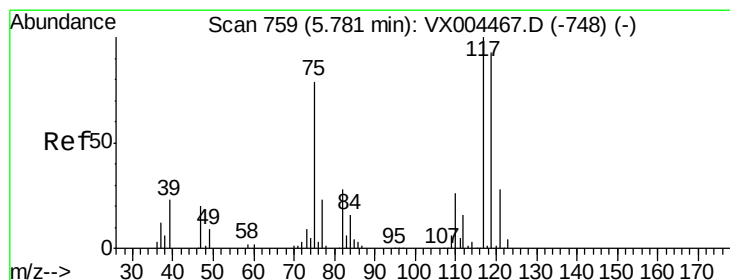
Tot Ion:	43	Resp:	86690
Ion	Ratio	Lower	Upper
43	100		
61	15.2	11.5	17.3
70	11.6	9.0	13.6

Manual Integrations
APPROVED

apatel
9/21/2018 11:00:42 AM



Time-->



#38

Carbon Tetrachloride

Concen: 17.43 ug/l

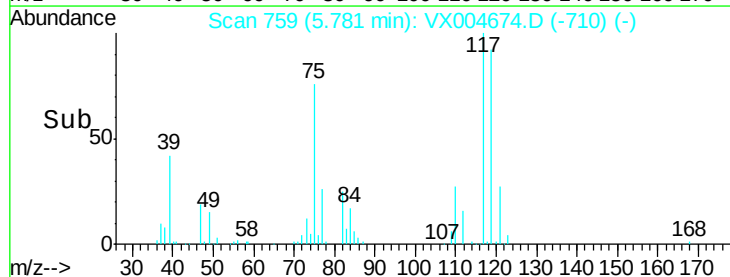
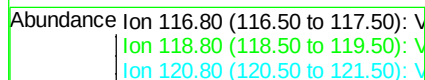
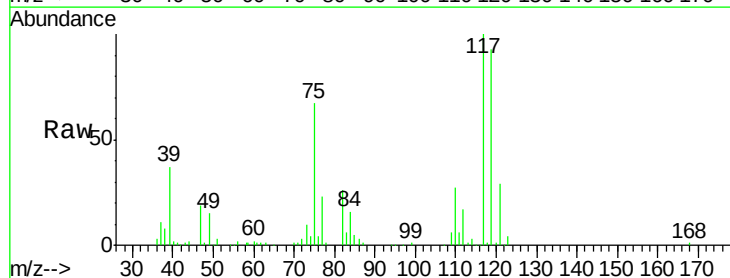
RT: 5.78 min Scan# 759

Delta R.T. 0.00 min

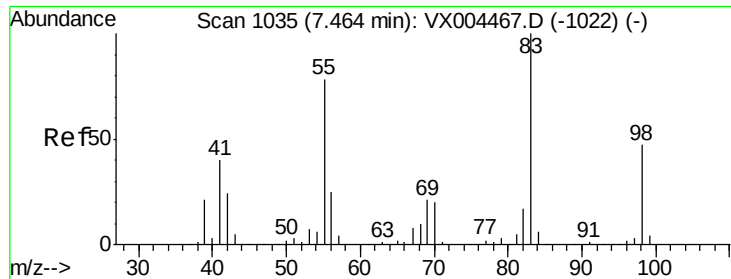
Lab File: VX004674.D

Acq: 18 Sep 2018 23:23

Tgt Ion:	117	Resp:	74777
Ion	Ratio	Lower	Upper
117	100		
119	92.7	78.8	118.2
121	28.5	24.9	37.3



Time-->



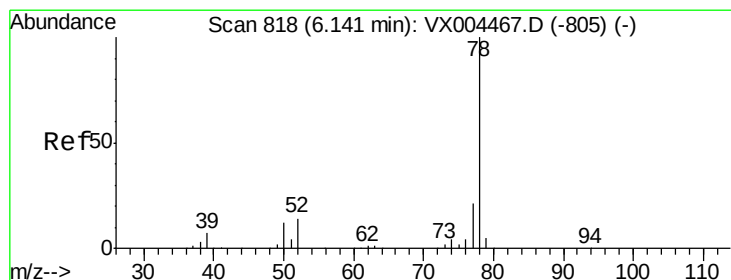
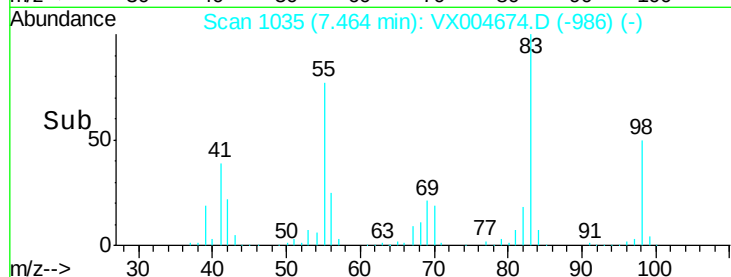
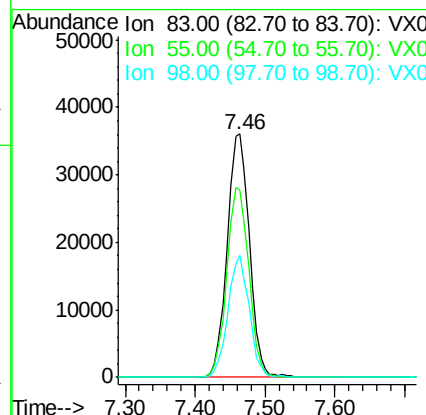
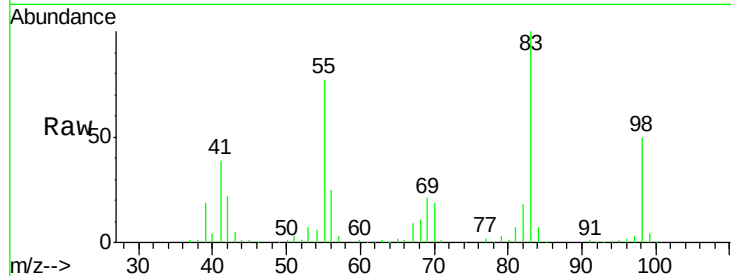
#39
Methylvlcyclohexane
Concen: 17.41 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX004674.D
Acq: 18 Sep 2018 23:23

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	76.8	61.0	91.4	
98	50.3	39.6	59.4	

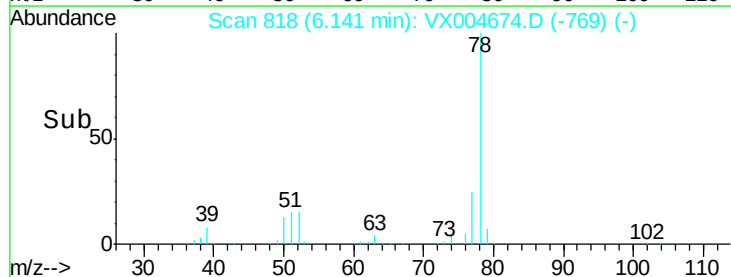
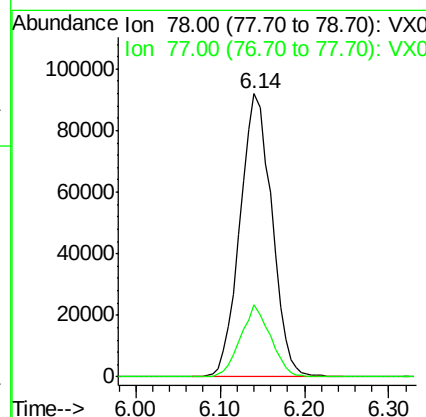
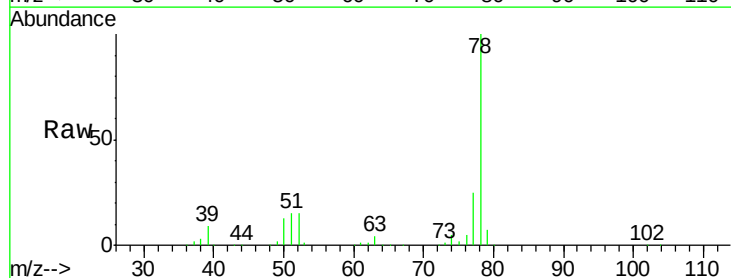
Manual Integrations
APPROVED

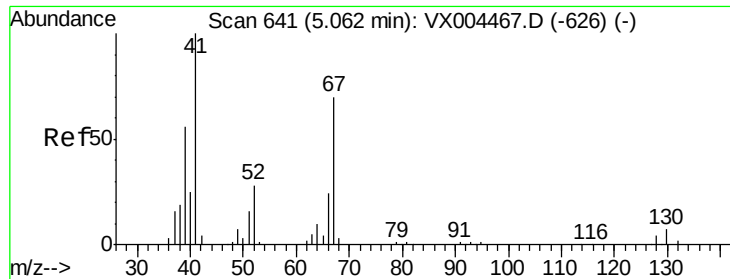
apatel
9/21/2018 11:00:42 AM



#40
Benzene
Concen: 18.02 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX004674.D
Acq: 18 Sep 2018 23:23

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	25.4	19.0	28.4	





#41

Methacrylonitrile

Concen: 17.34 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.01 min

Lab File: VX004674.D

Acq: 18 Sep 2018 23:23

Instrument :

MSVOA_X

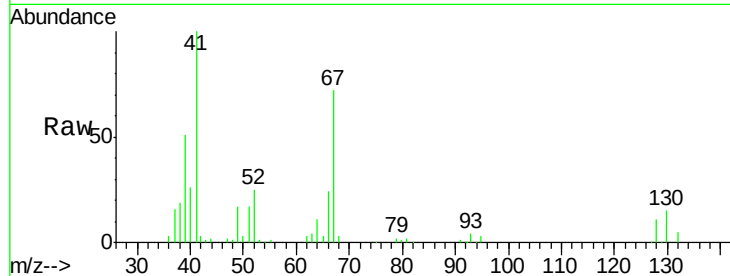
ClientSampled :

VX0918WBSD02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.5	42.4	63.6	
67	76.5	59.2	88.8	
52	28.7	23.0	34.4	

Manual Integrations
APPROVED

apatel
9/21/2018 11:00:42 AM

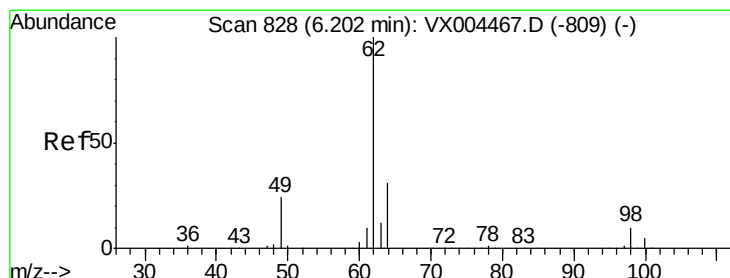
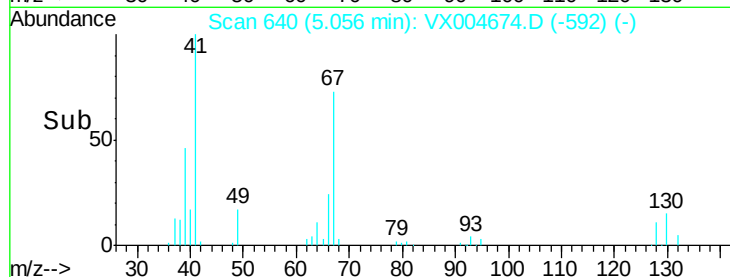
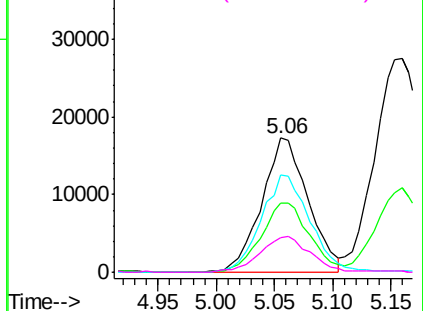


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 17.03 ug/l

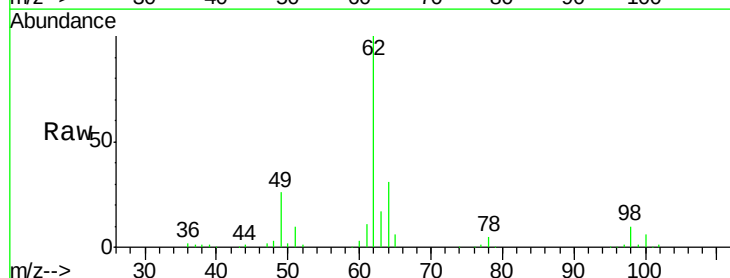
RT: 6.20 min Scan# 827

Delta R.T. -0.01 min

Lab File: VX004674.D

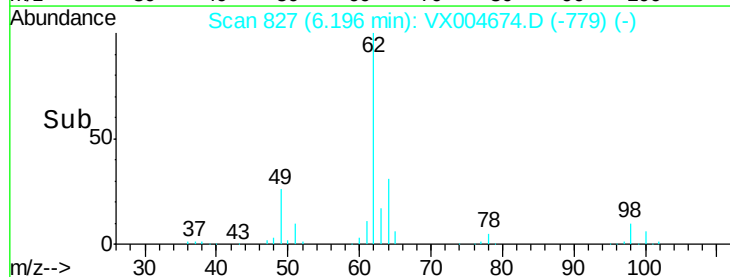
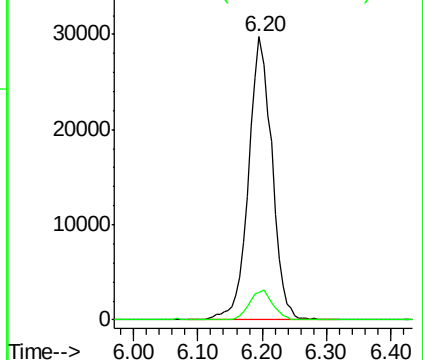
Acq: 18 Sep 2018 23:23

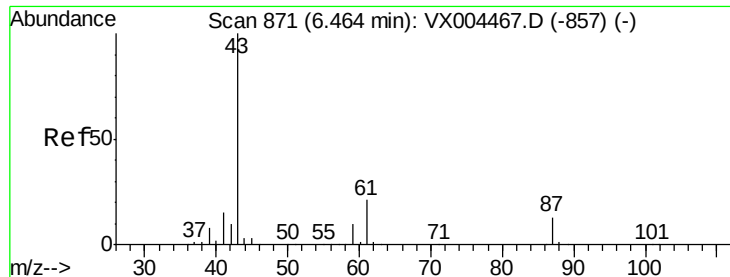
Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.4	0.0	20.6	



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

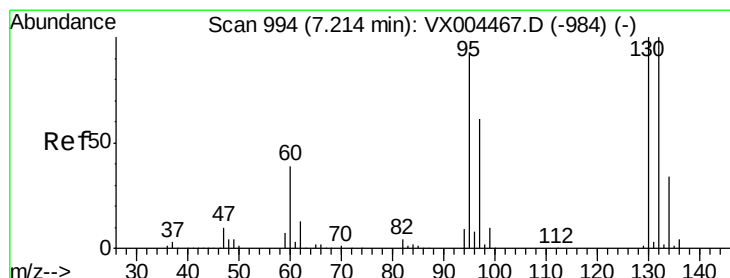
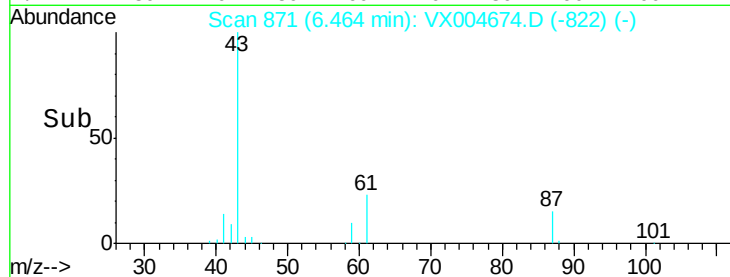
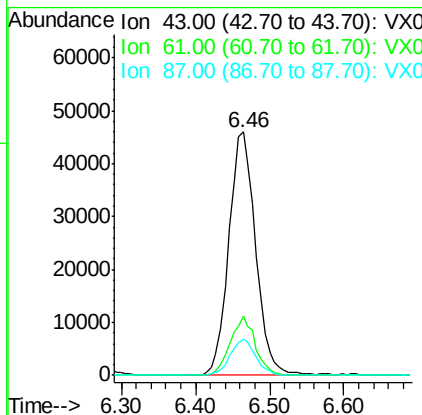
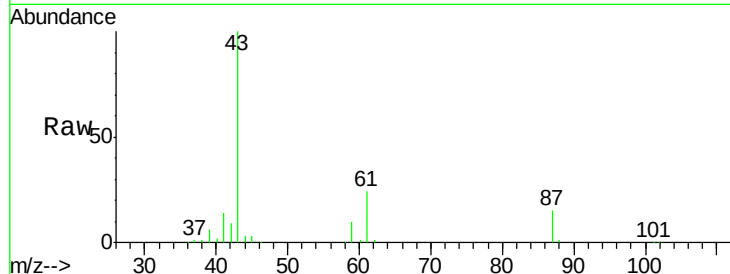
Isopropyl Acetate
 Concen: 17.39 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. 0.00 min
 Lab File: VX004674.D
 Acq: 18 Sep 2018 23:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.9	17.0	25.4
87	14.2	11.4	17.2

Manual Integrations
 APPROVED

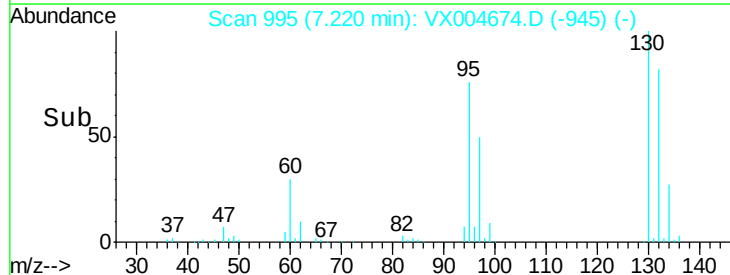
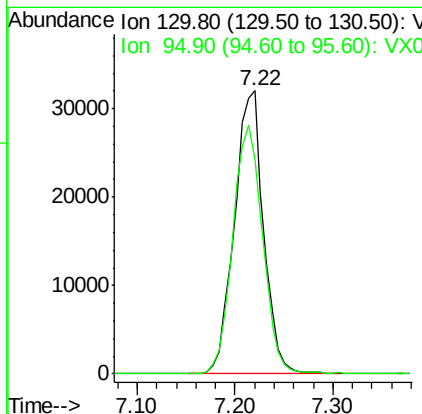
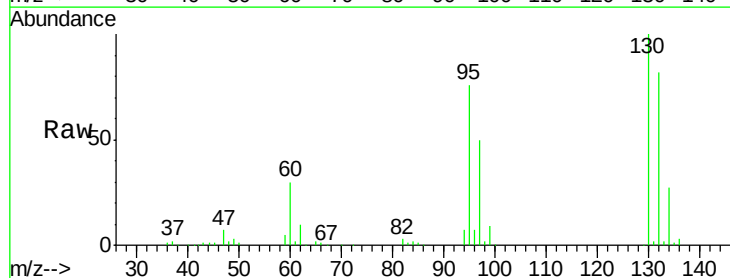
apatel
 9/21/2018 11:00:42 AM

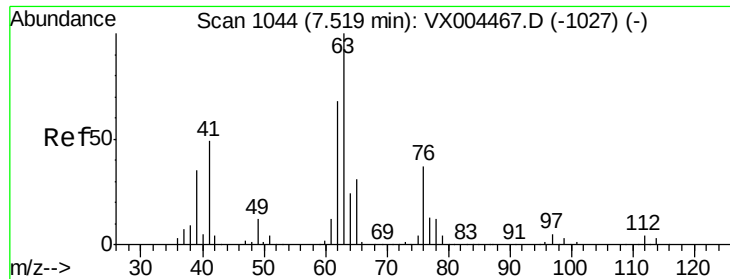


#44

Trichloroethene
 Concen: 19.61 ug/l
 RT: 7.22 min Scan# 995
 Delta R.T. 0.01 min
 Lab File: VX004674.D
 Acq: 18 Sep 2018 23:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	75.5	0.0	181.6





#45

1,2-Dichloropropane

Concen: 17.82 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX004674.D

Acq: 18 Sep 2018 23:23

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD02

Tot Ion: 63 Resp: 55897

Ion Ratio Lower Upper

63 100

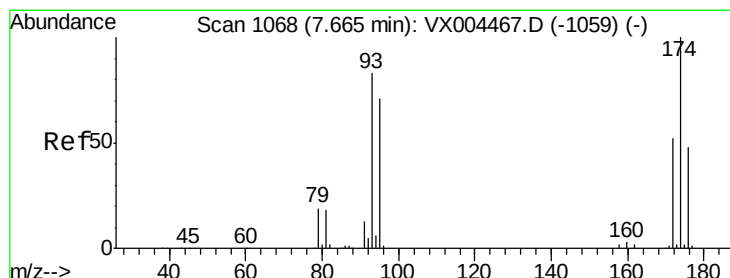
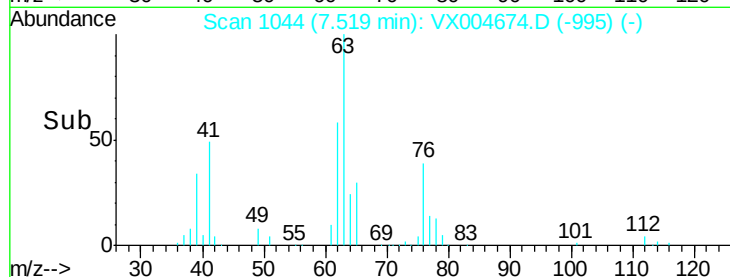
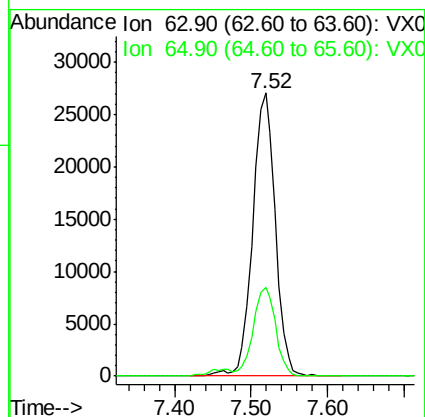
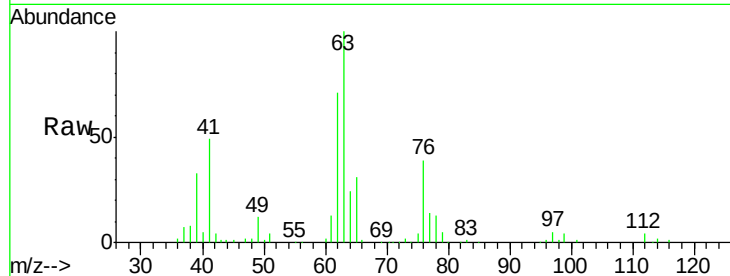
65 31.4 24.3 36.5

Manual Integrations

APPROVED

apatel

9/21/2018 11:00:42 AM



#46

Dibromomethane

Concen: 18.02 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VX004674.D

Acq: 18 Sep 2018 23:23

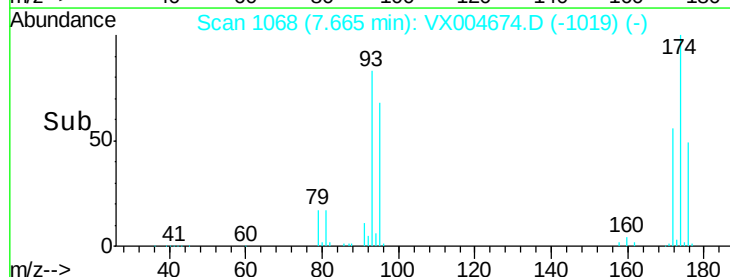
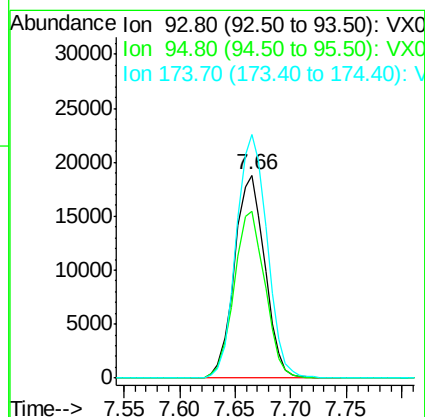
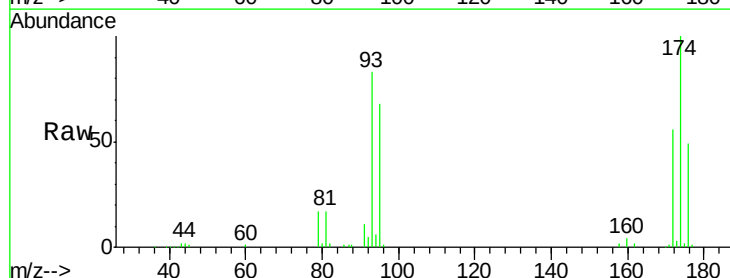
Tgt Ion: 93 Resp: 35710

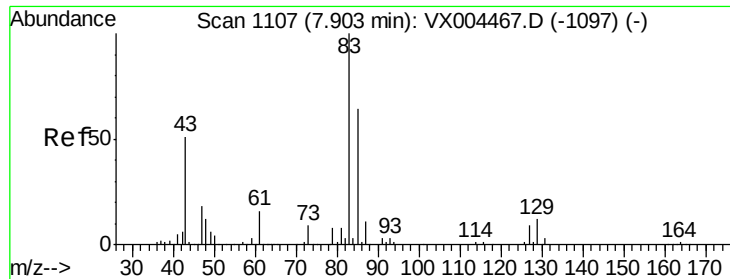
Ion Ratio Lower Upper

93 100

95 83.2 65.5 98.3

174 121.5 94.2 141.4





#47

Bromodichloromethane

Concen: 17.42 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VX004674.D

Acq: 18 Sep 2018 23:23

Instrument :

MSVOA_X

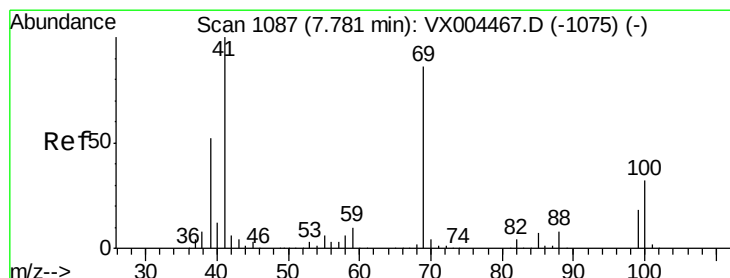
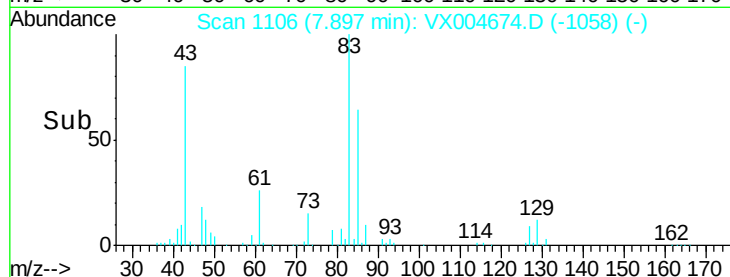
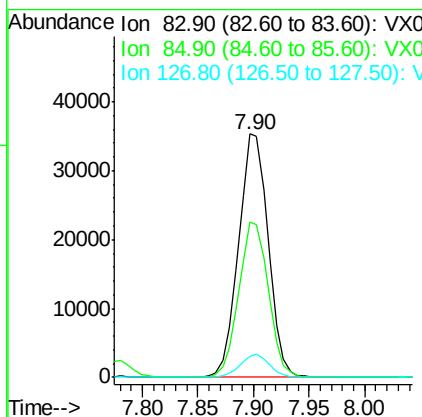
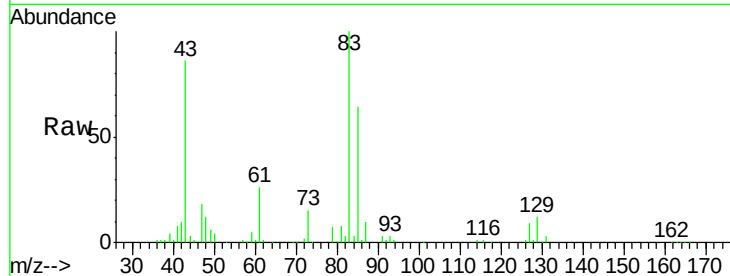
ClientSampleId :

VX0918WBSD02

Tot Ion:	83	Resp:	65252
Ion Ratio	Lower	Upper	
83	100		
85	63.7	50.9	76.3
127	8.8	7.3	10.9

Manual Integrations
APPROVED

apatel
9/21/2018 11:00:42 AM



#48

Methyl methacrylate

Concen: 17.62 ug/l

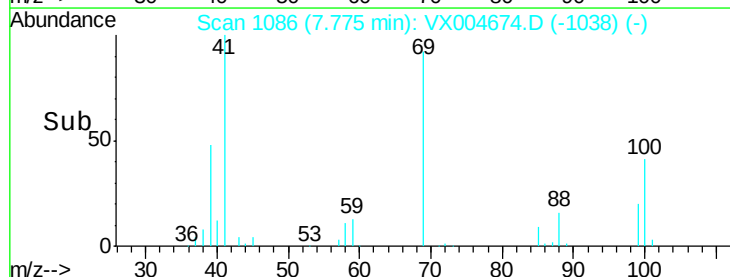
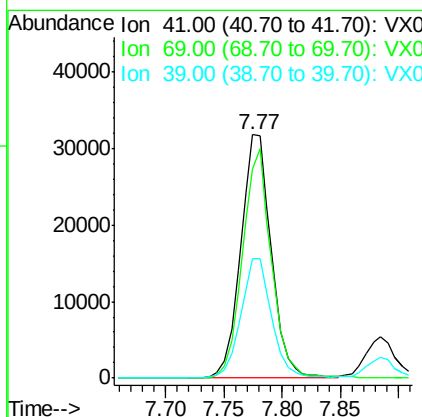
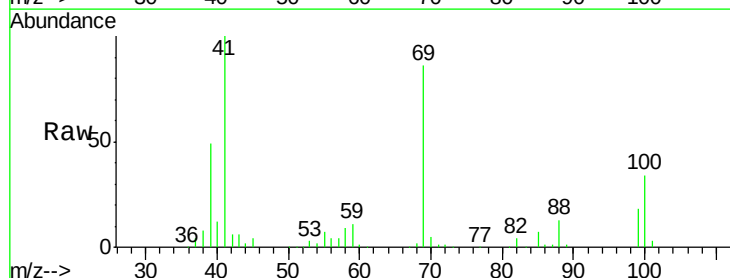
RT: 7.77 min Scan# 1086

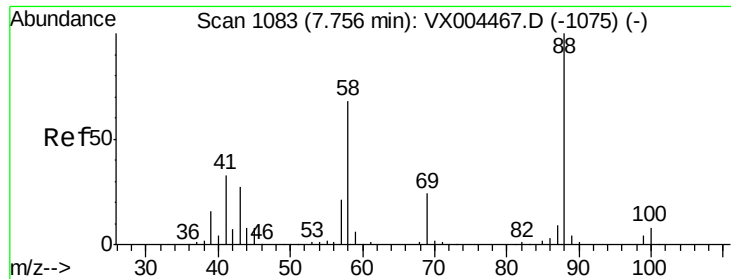
Delta R.T. -0.01 min

Lab File: VX004674.D

Acq: 18 Sep 2018 23:23

Tgt Ion:	41	Resp:	57862
Ion Ratio	Lower	Upper	
41	100		
69	90.0	70.2	105.4
39	49.7	42.7	64.1





#49

1,4-Dioxane

Concen: 386.76 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. -0.01 min

Lab File: VX004674.D

Acq: 18 Sep 2018 23:23

Instrument :

MSVOA_X

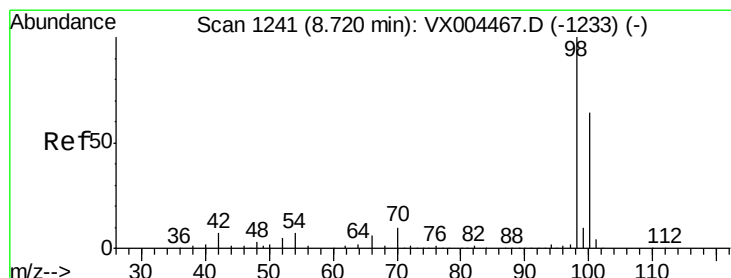
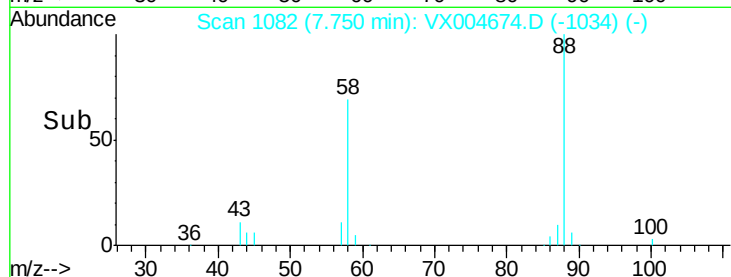
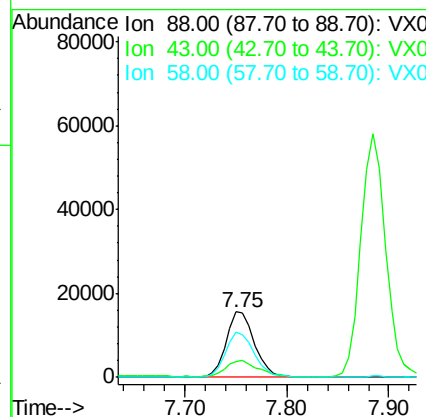
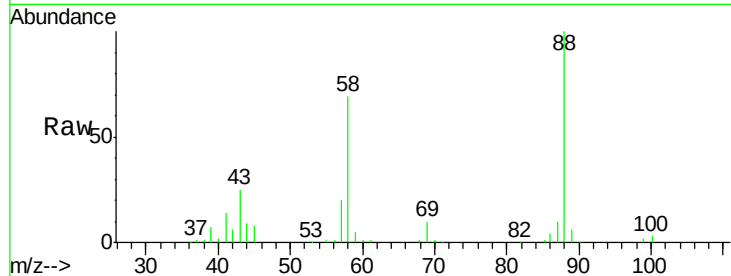
ClientSampleId :

VX0918WBSD02

Tot Ion:	88	Resp:	30061
Ion	Ratio	Lower	Upper
88	100		
43	29.2	24.7	37.1
58	69.9	55.3	82.9

Manual Integrations
APPROVED

apatel
9/21/2018 11:00:42 AM



#50

Toluene-d8

Concen: 44.02 ug/l

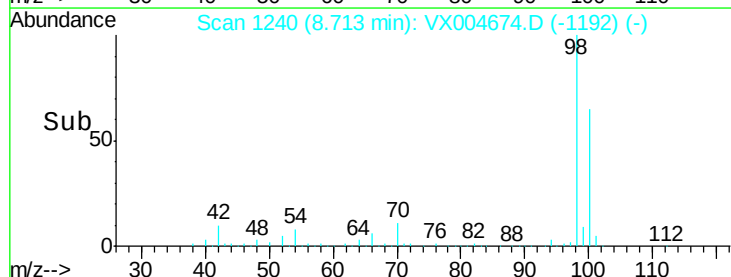
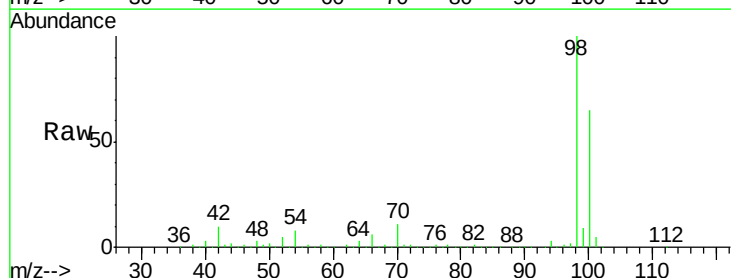
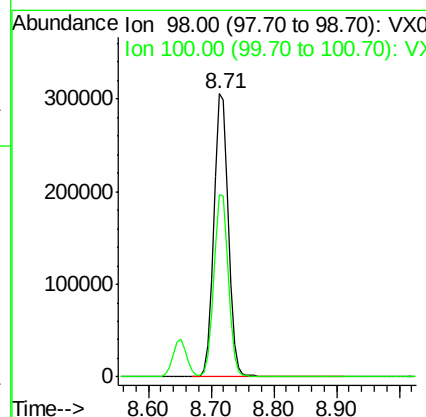
RT: 8.71 min Scan# 1240

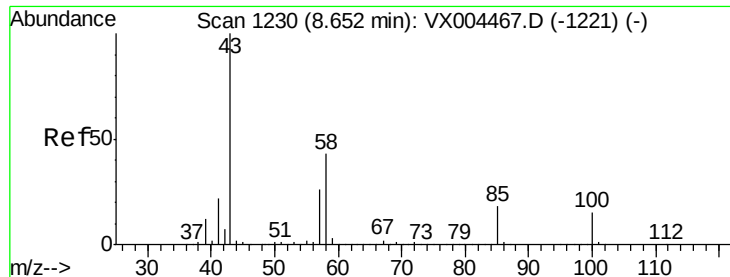
Delta R.T. -0.01 min

Lab File: VX004674.D

Acq: 18 Sep 2018 23:23

Tgt Ion:	98	Resp:	488763
Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 82.37 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX004674.D

Acq: 18 Sep 2018 23:23

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD02

Tot Ion: 43 Resp: 385738

Ion Ratio Lower Upper

43 100

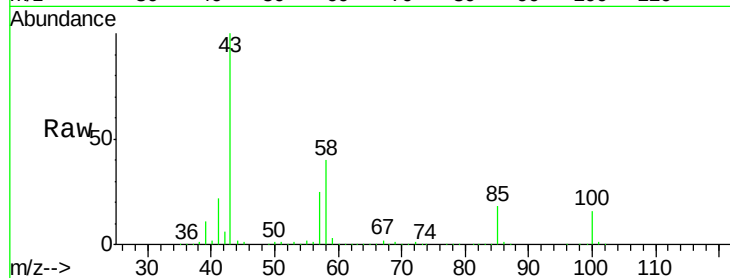
58 40.9 33.1 49.7

Manual Integrations

APPROVED

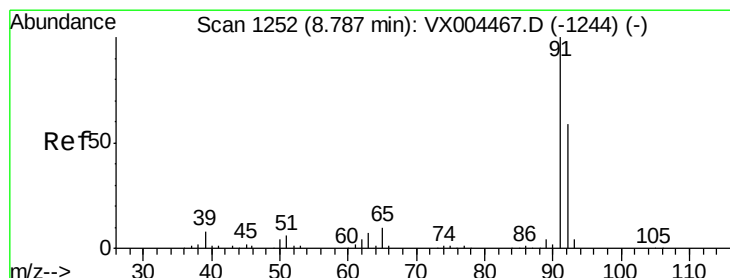
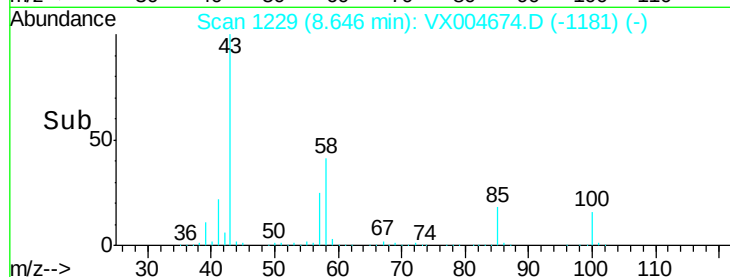
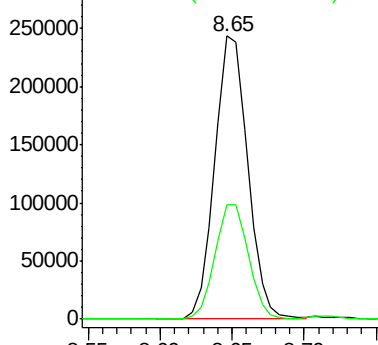
apatel

9/21/2018 11:00:42 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 17.58 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX004674.D

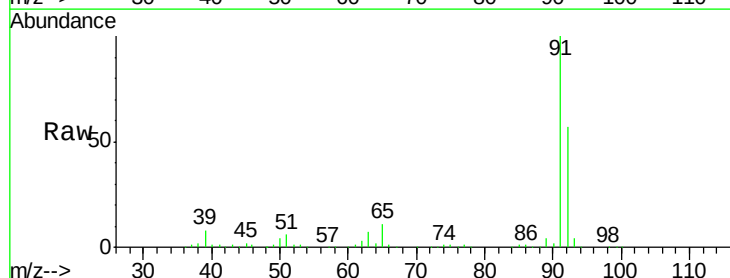
Acq: 18 Sep 2018 23:23

Tgt Ion: 92 Resp: 134977

Ion Ratio Lower Upper

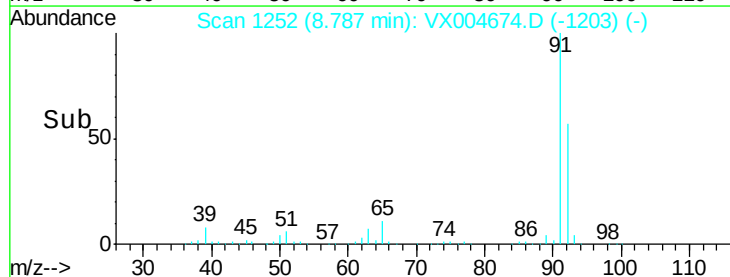
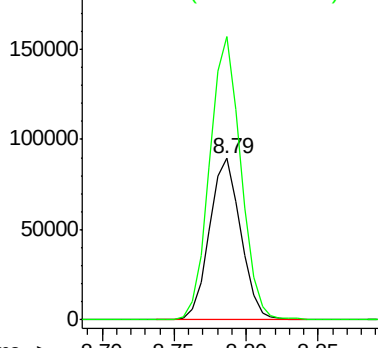
92 100

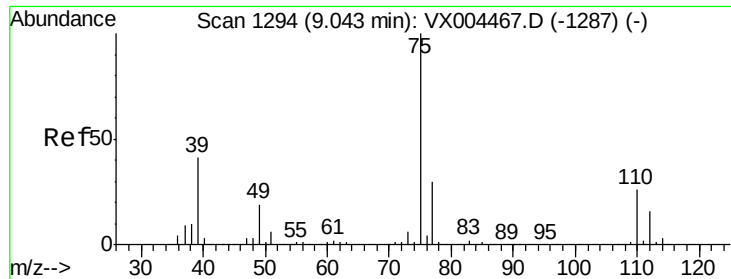
91 174.9 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





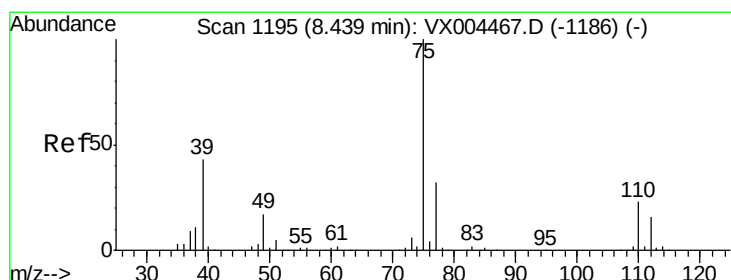
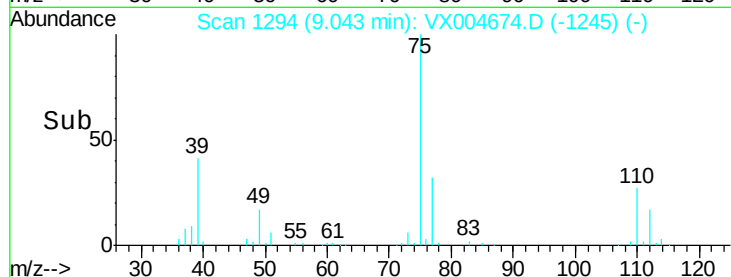
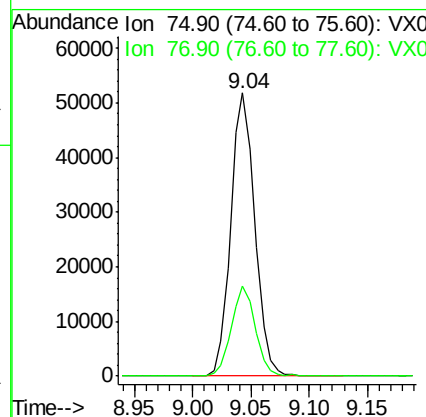
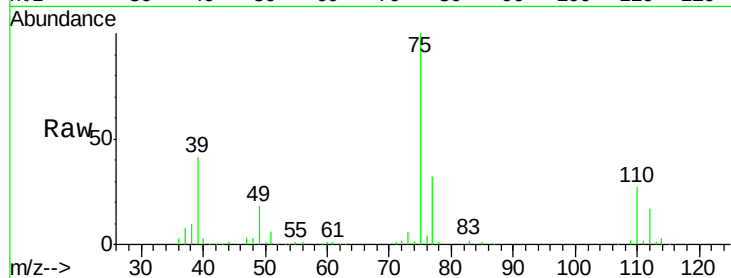
#53
t-1,3-Dichloropropene
Concen: 16.99 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX004674.D
Acq: 18 Sep 2018 23:23

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD02

Tot Ion	75	Resp	74378
Ion Ratio	100	Lower	Upper
77	31.9	24.6	37.0

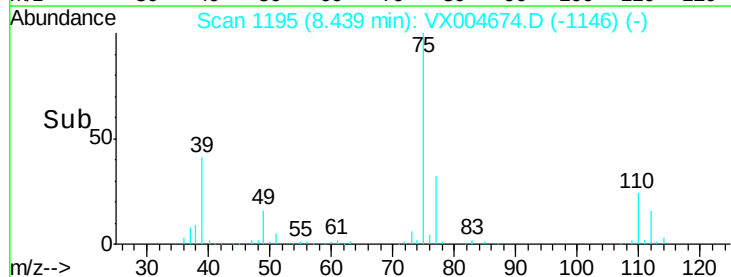
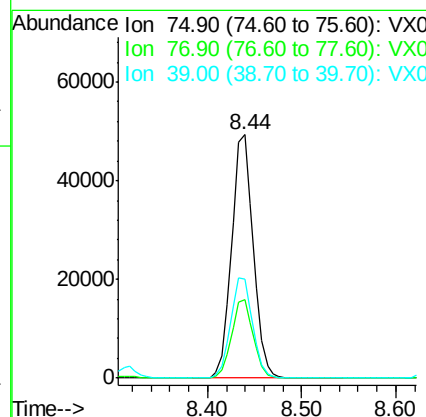
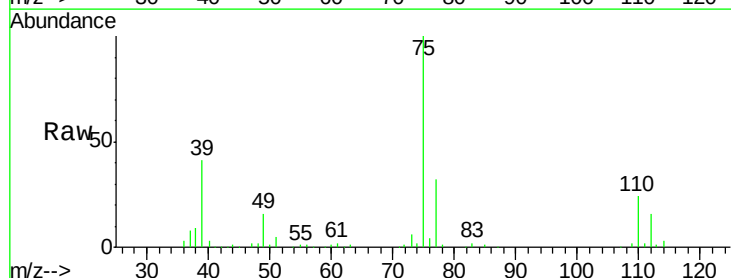
Manual Integrations
APPROVED

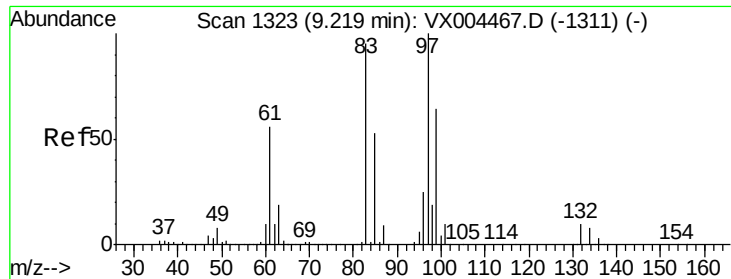
apatel
9/21/2018 11:00:42 AM



#54
cis-1,3-Dichloropropene
Concen: 17.63 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. 0.00 min
Lab File: VX004674.D
Acq: 18 Sep 2018 23:23

Tgt Ion	75	Resp	78643
Ion Ratio	100	Lower	Upper
77	32.5	26.2	39.2
39	40.9	36.4	54.6





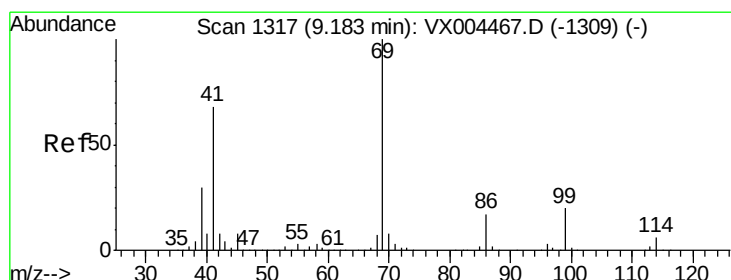
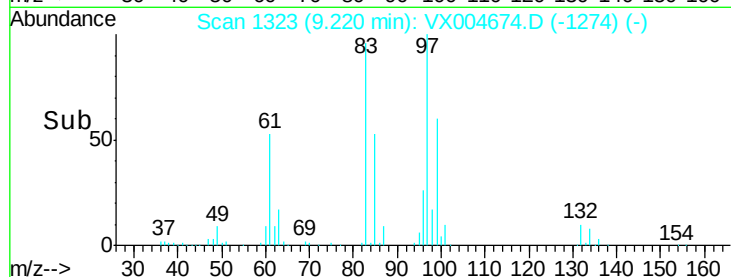
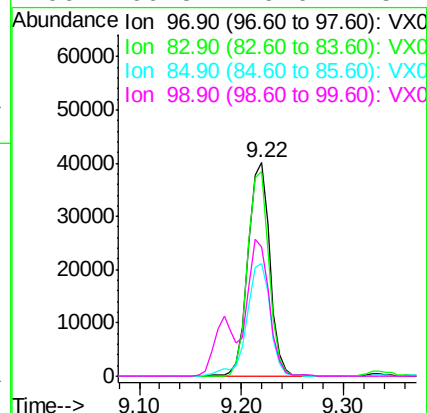
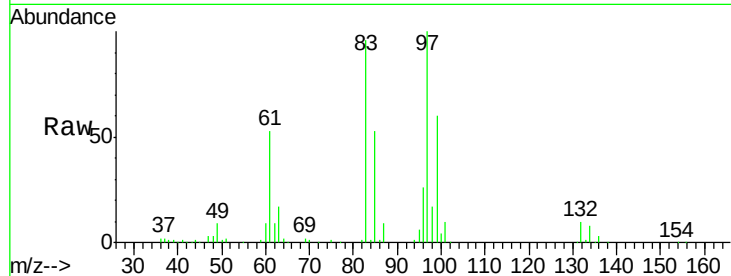
#55
1,1,2-Trichloroethane
Concen: 18.05 ug/l
RT: 9.22 min Scan# 1323
Delta R.T. 0.00 min
Lab File: VX004674.D
Acq: 18 Sep 2018 23:23

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		59665		
83	96.1	66.4	99.6		
85	52.6	43.3	64.9		
99	60.3	49.0	73.4		

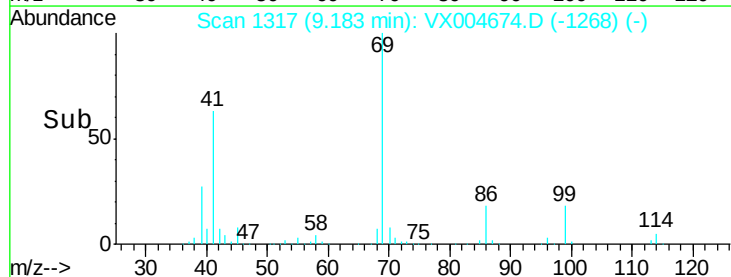
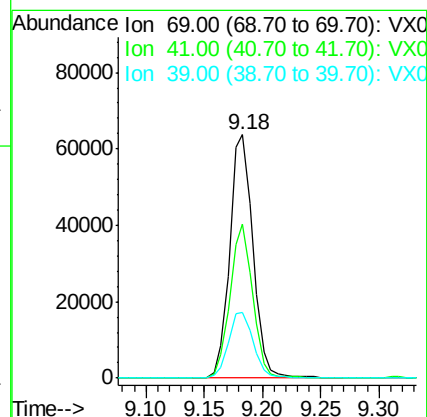
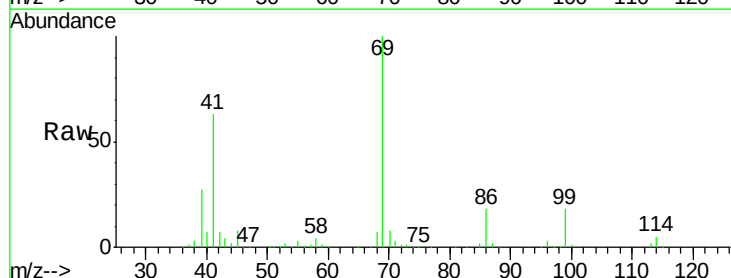
Manual Integrations
APPROVED

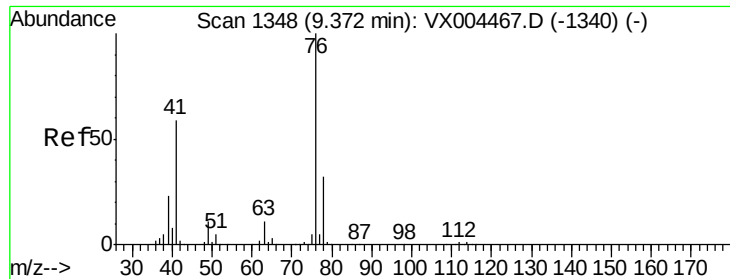
apatel
9/21/2018 11:00:42 AM



#56
Ethyl methacrylate
Concen: 18.87 ug/l
RT: 9.18 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VX004674.D
Acq: 18 Sep 2018 23:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		88285		
41	62.2	51.0	76.4		
39	29.1	26.1	39.1		





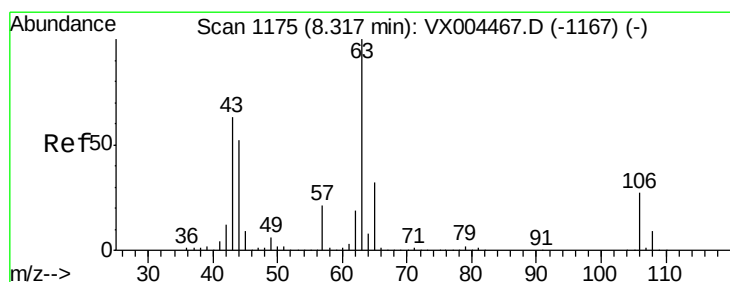
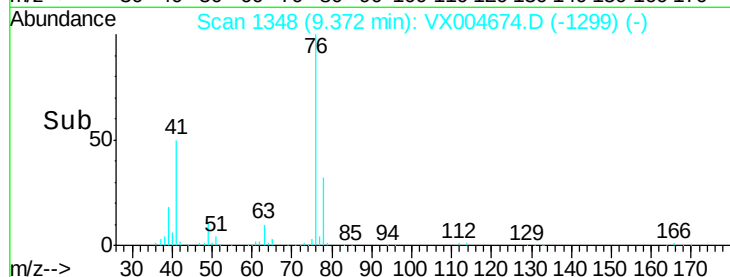
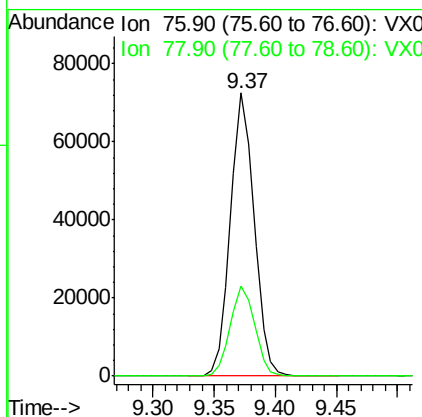
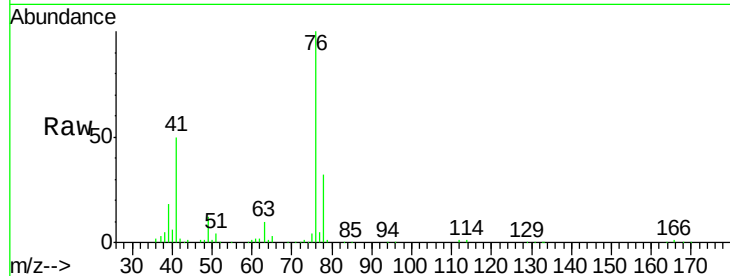
#57
 1,3-Dichloropropane
 Concen: 18.14 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX004674.D
 Acq: 18 Sep 2018 23:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.9	25.5	38.3

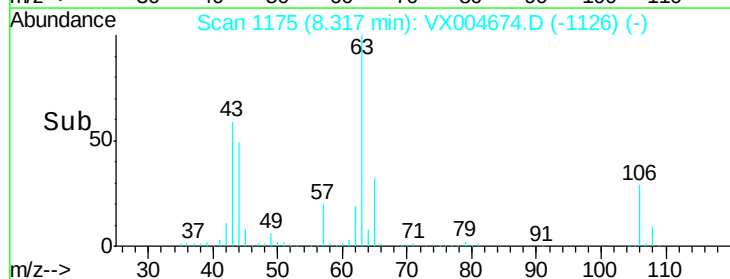
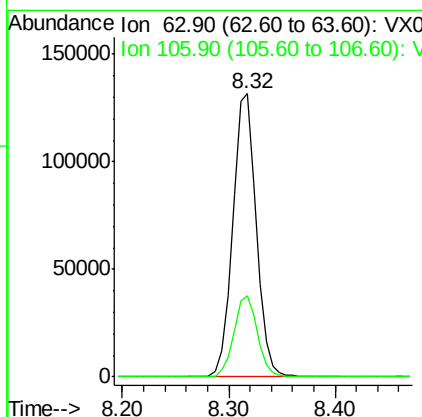
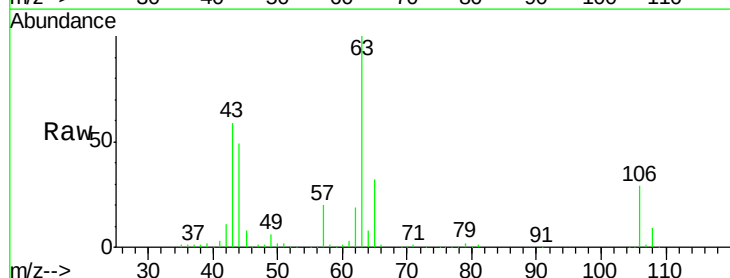
Manual Integrations
 APPROVED

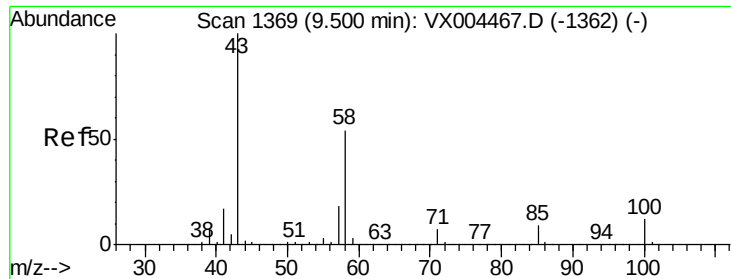
apatel
 9/21/2018 11:00:42 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 90.32 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VX004674.D
 Acq: 18 Sep 2018 23:23

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.6	23.9	35.9





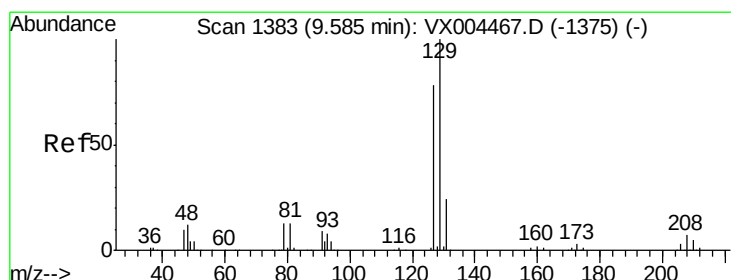
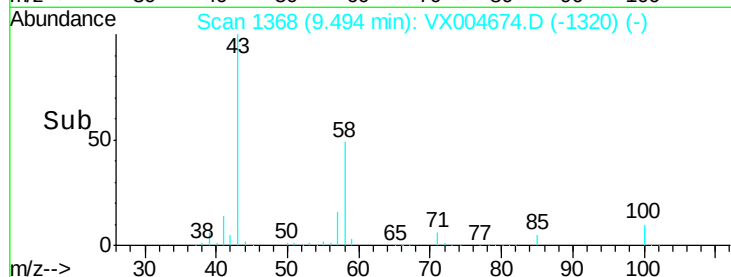
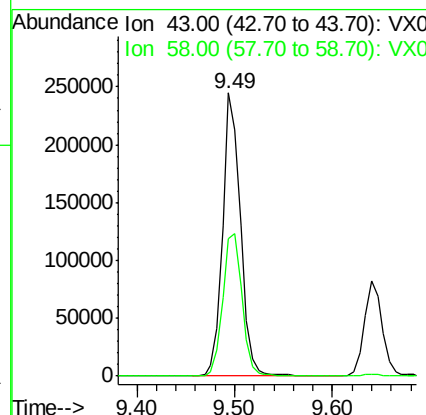
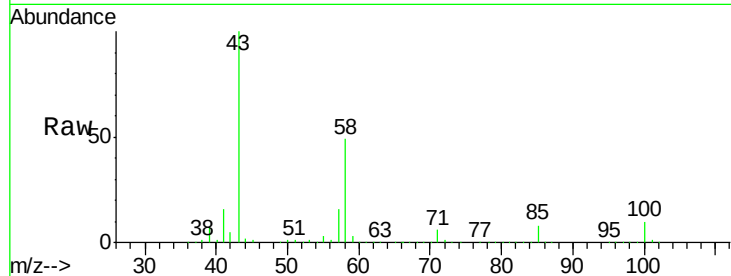
#59
2-Hexanone
Concen: 86.35 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX004674.D
Acq: 18 Sep 2018 23:23

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD02

Tot Ion: 43 Resp: 310164
Ion Ratio Lower Upper
43 100
58 54.8 29.0 87.0

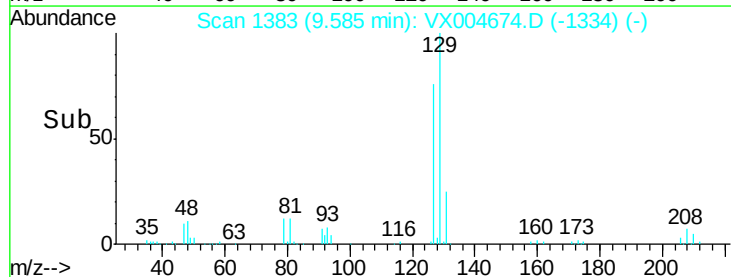
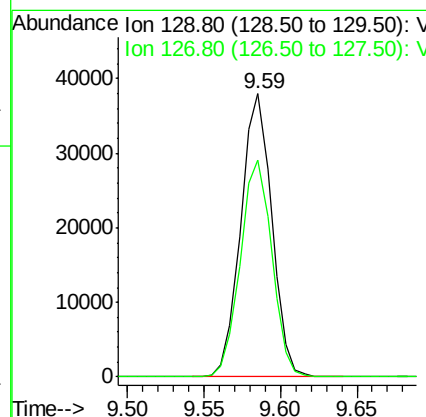
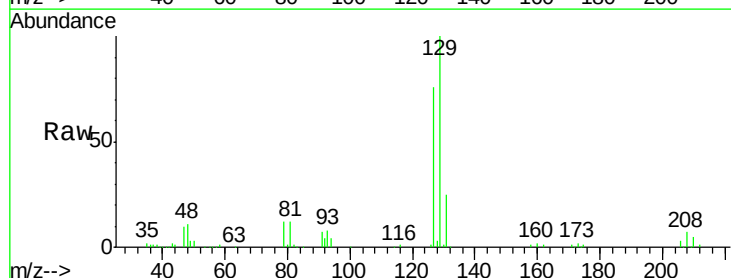
Manual Integrations
APPROVED

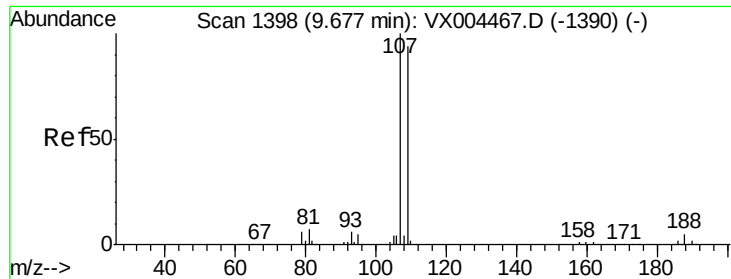
apatel
9/21/2018 11:00:42 AM



#60
Dibromochloromethane
Concen: 17.16 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX004674.D
Acq: 18 Sep 2018 23:23

Tgt Ion: 129 Resp: 53420
Ion Ratio Lower Upper
129 100
127 77.8 38.5 115.5





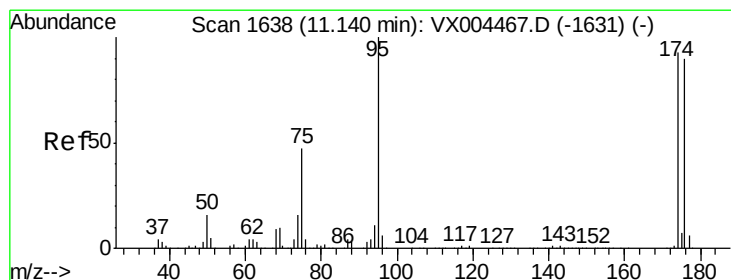
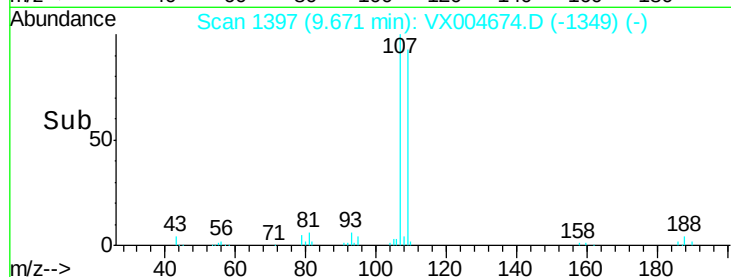
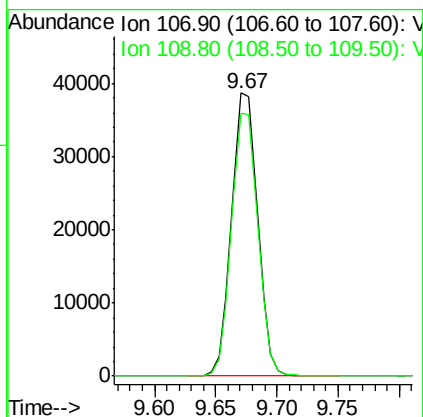
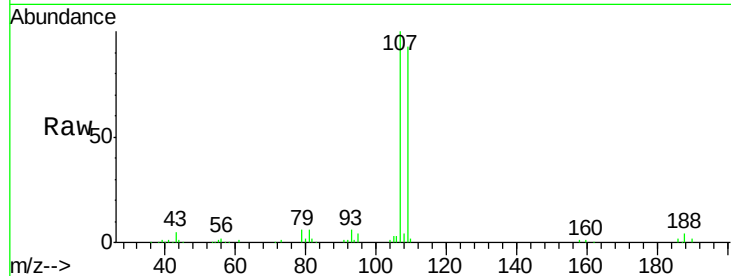
#61
 1,2-Dibromoethane
 Concen: 18.06 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.01 min
 Lab File: VX004674.D
 Acq: 18 Sep 2018 23:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBSD02

Tot Ion:107 Resp: 57057
 Ion Ratio Lower Upper
 107 100
 109 94.2 76.0 114.0

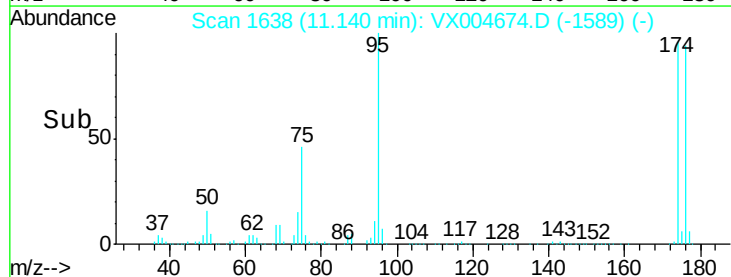
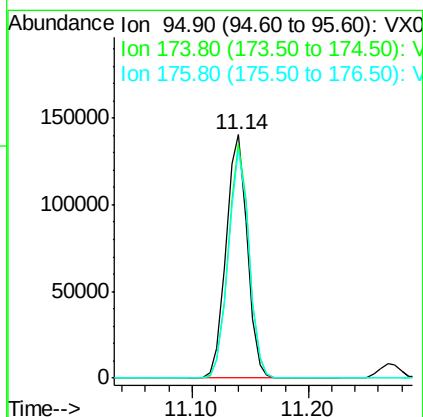
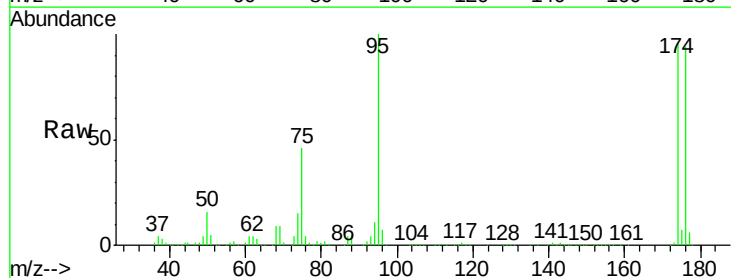
Manual Integrations
 APPROVED

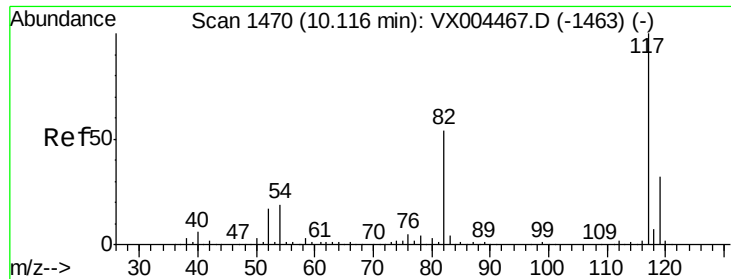
apatel
 9/21/2018 11:00:42 AM



#62
 4-Bromofluorobenzene
 Concen: 44.62 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.00 min
 Lab File: VX004674.D
 Acq: 18 Sep 2018 23:23

Tgt Ion: 95 Resp: 176828
 Ion Ratio Lower Upper
 95 100
 174 94.4 0.0 185.2
 176 91.9 0.0 178.6





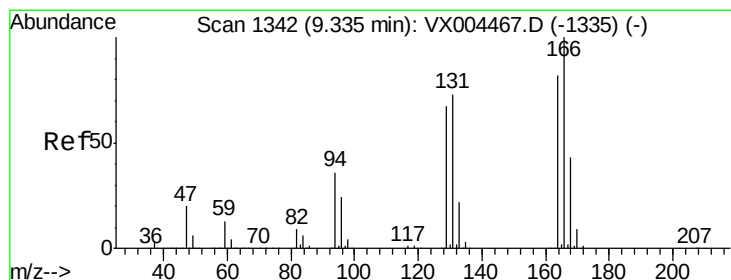
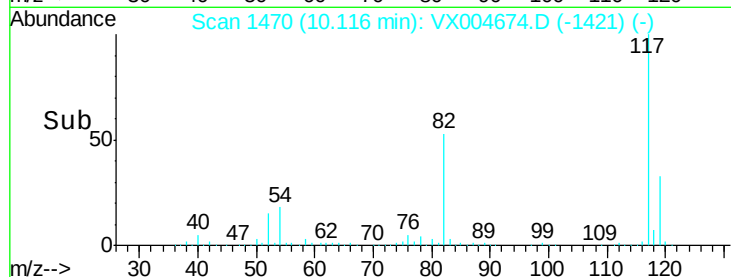
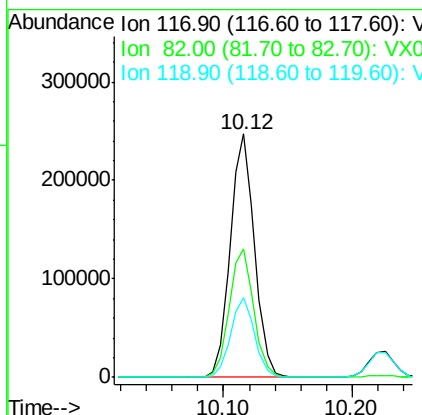
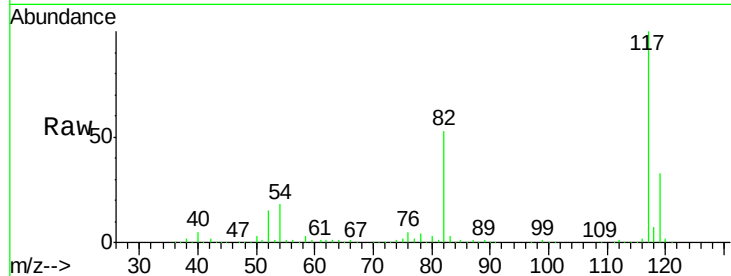
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004674.D
Acq: 18 Sep 2018 23:23

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.9	47.8	71.6
119	33.0	29.3	43.9

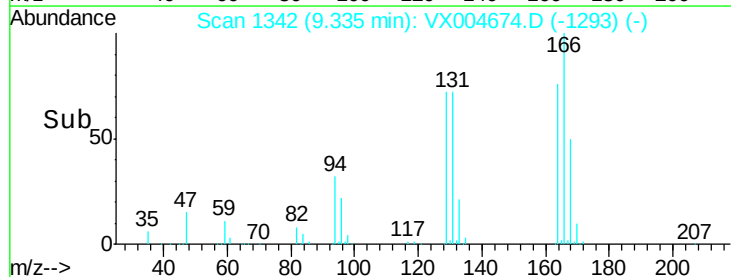
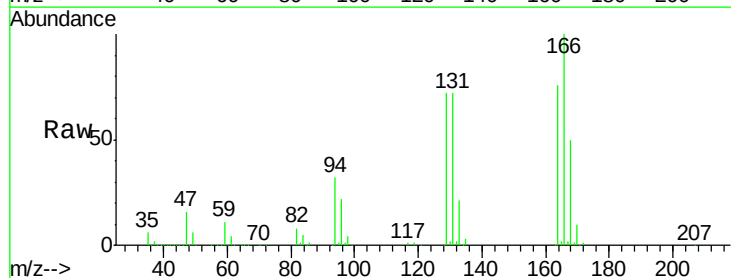
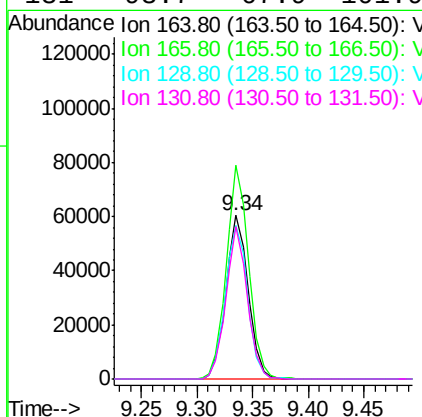
Manual Integrations
APPROVED

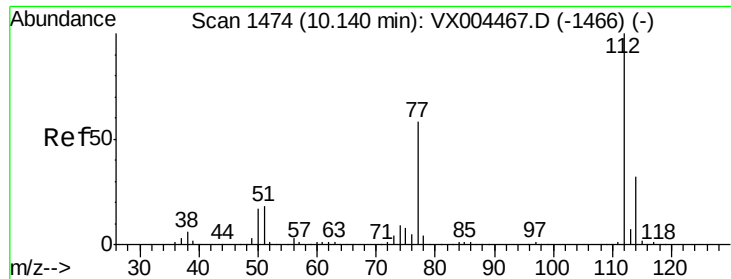
apatel
9/21/2018 11:00:42 AM



#64
Tetrachloroethene
Concen: 20.62 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX004674.D
Acq: 18 Sep 2018 23:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.8	102.8	154.2
129	94.2	69.4	104.0
131	93.7	67.9	101.9





#65

Chlorobenzene

Concen: 19.03 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX004674.D

Acq: 18 Sep 2018 23:23

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD02

Tot Ion:112 Resp: 153778

Ion Ratio Lower Upper

112 100

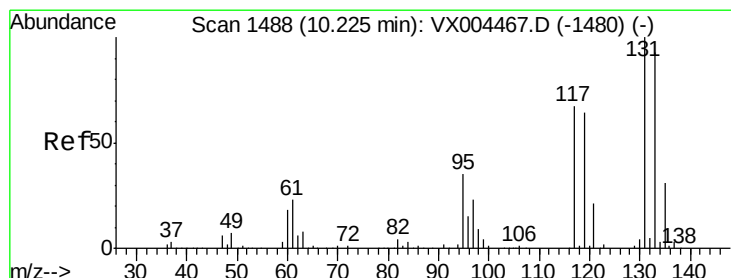
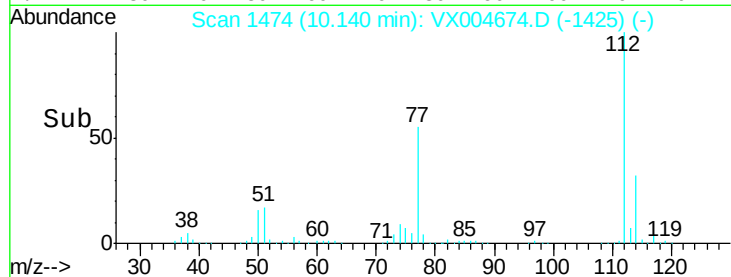
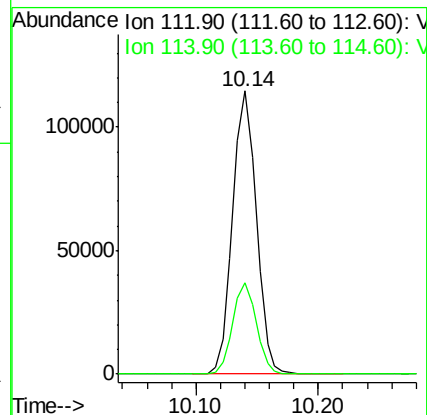
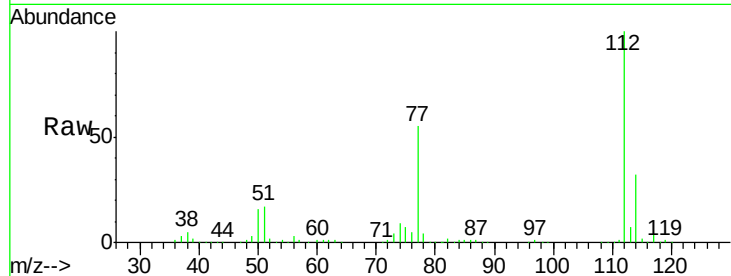
114 32.2 27.8 41.8

Manual Integrations

APPROVED

apatel

9/21/2018 11:00:42 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 18.76 ug/l

RT: 10.23 min Scan# 1488

Delta R.T. 0.00 min

Lab File: VX004674.D

Acq: 18 Sep 2018 23:23

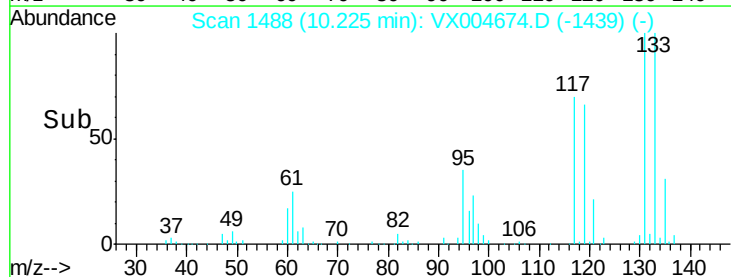
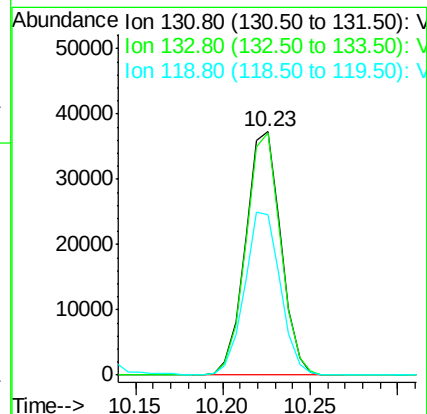
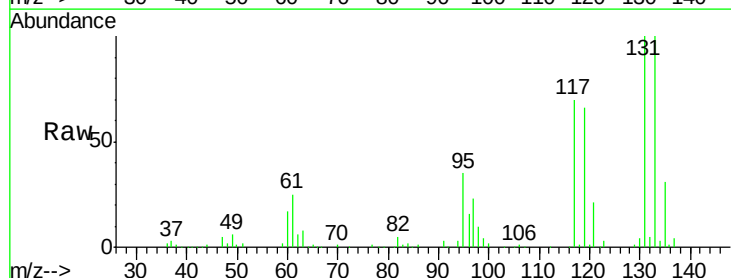
Tgt Ion:131 Resp: 52289

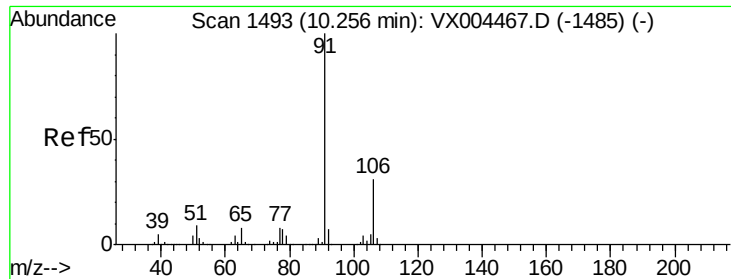
Ion Ratio Lower Upper

131 100

133 97.8 48.1 144.4

119 67.9 32.9 98.6





#67

Ethyl Benzene

Concen: 19.24 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VX004674.D

Acq: 18 Sep 2018 23:23

Instrument :

MSVOA_X

ClientSampled :

VX0918WBSD02

Tot Ion: 91 Resp: 252811

Ion Ratio Lower Upper

91 100

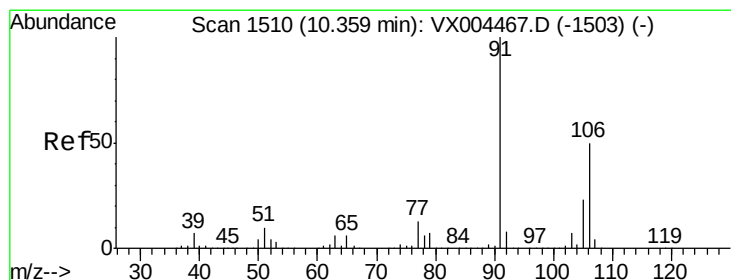
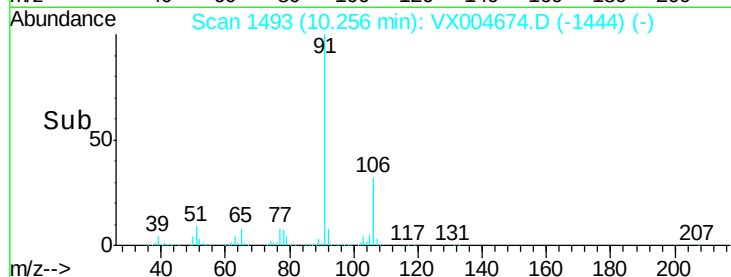
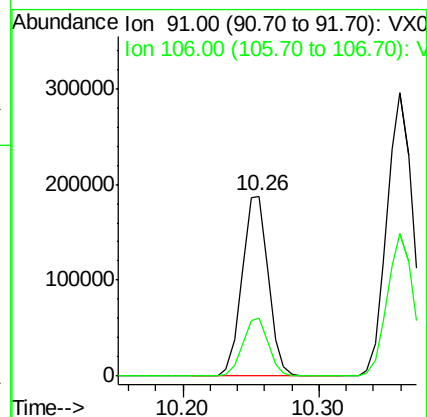
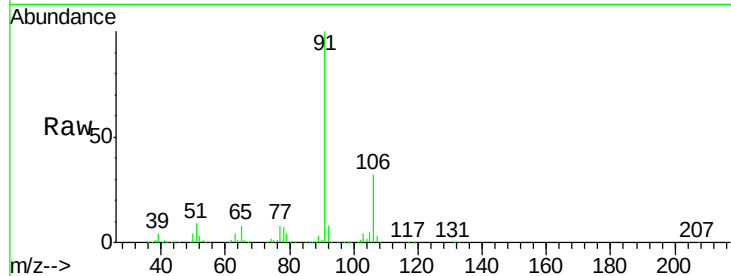
106 32.0 25.9 38.9

Manual Integrations

APPROVED

apatel

9/21/2018 11:00:42 AM



#68

m/p-Xylenes

Concen: 39.21 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX004674.D

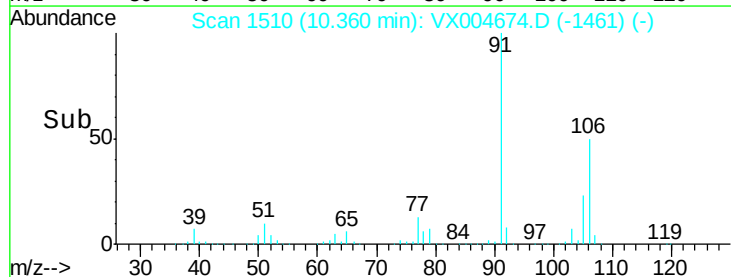
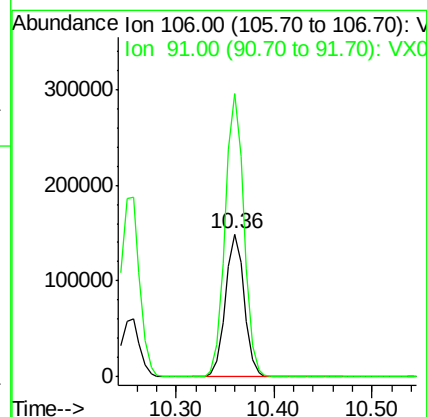
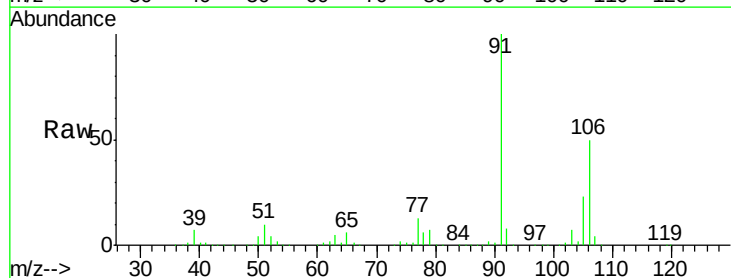
Acq: 18 Sep 2018 23:23

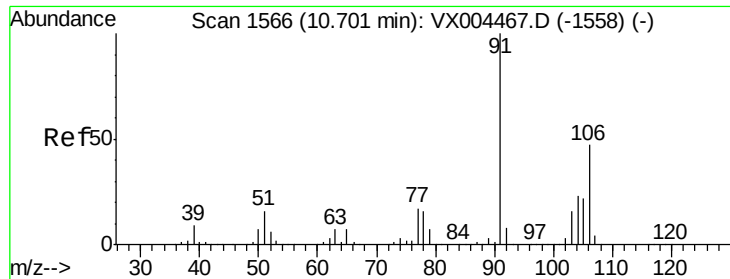
Tgt Ion: 106 Resp: 198446

Ion Ratio Lower Upper

106 100

91 199.0 157.1 235.7





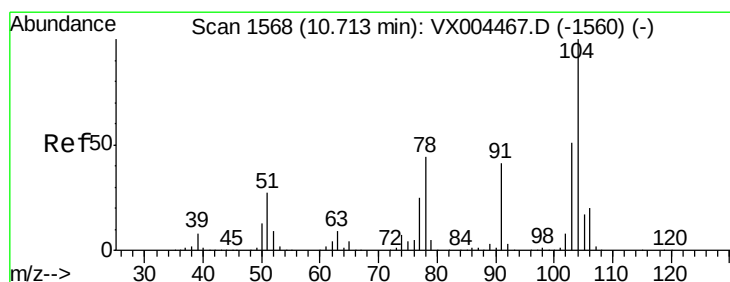
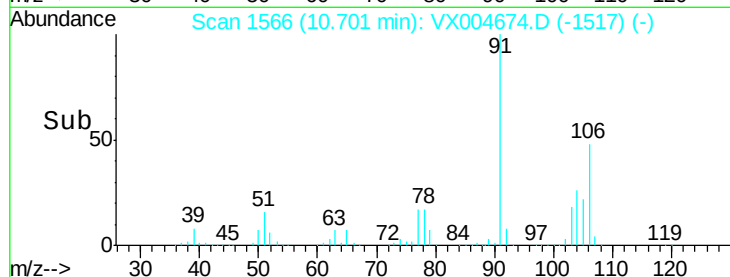
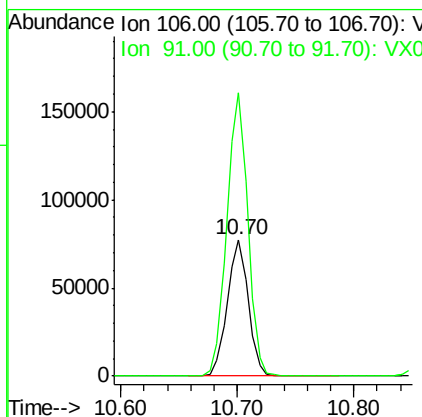
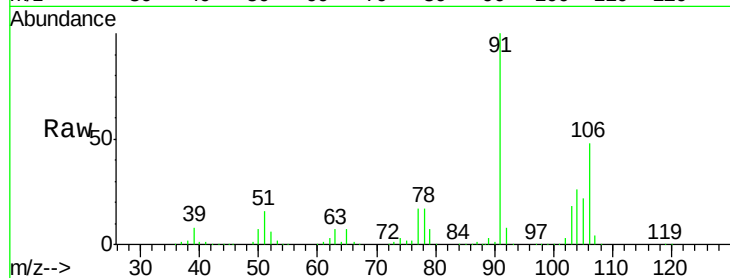
#69
o-Xylene
Concen: 19.91 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX004674.D
Acq: 18 Sep 2018 23:23

Instrument :
MSVOA_X
ClientSampleID :
VX0918WBSD02

Tot Ion:106 Resp: 96878
Ion Ratio Lower Upper
106 100
91 207.4 105.1 315.1

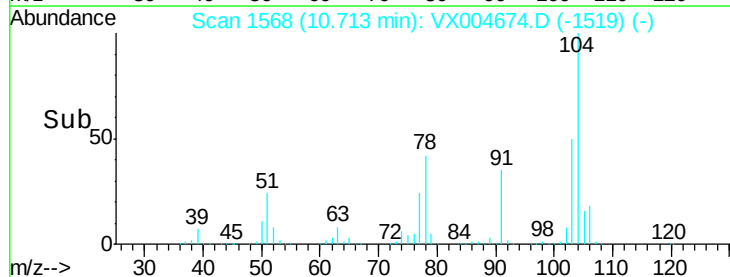
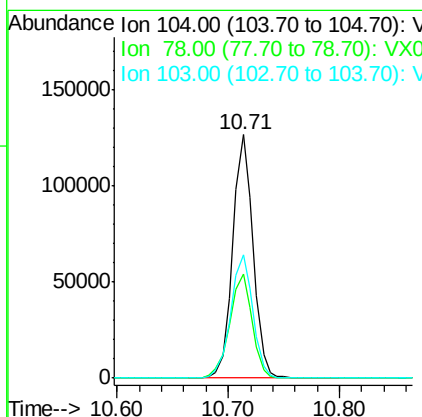
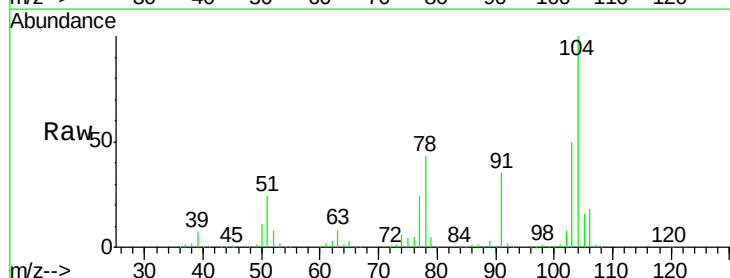
Manual Integrations
APPROVED

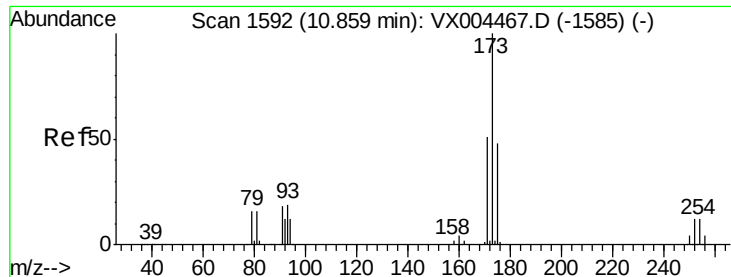
apatel
9/21/2018 11:00:42 AM



#70
Styrene
Concen: 19.80 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX004674.D
Acq: 18 Sep 2018 23:23

Tgt Ion:104 Resp: 159604
Ion Ratio Lower Upper
104 100
78 47.1 37.4 56.0
103 55.5 43.8 65.6





#71

Bromoform

Concen: 18.39 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX004674.D

Acq: 18 Sep 2018 23:23

Instrument :

MSVOA_X

ClientSampled :

VX0918WBSD02

Tot Ion:173 Resp: 42077

Ion Ratio Lower Upper

173 100

175 48.6 24.1 72.3

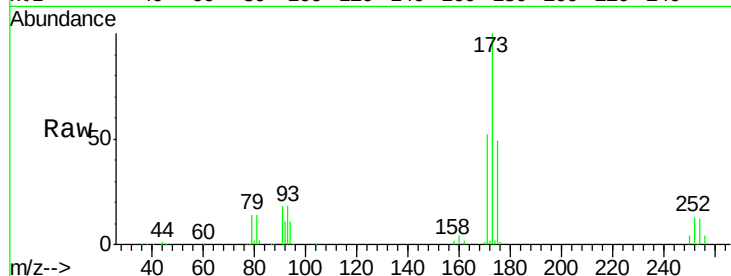
254 0.1 0.2 0.2#

Manual Integrations

APPROVED

apatel

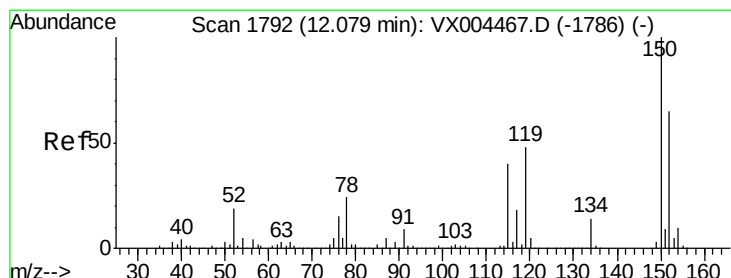
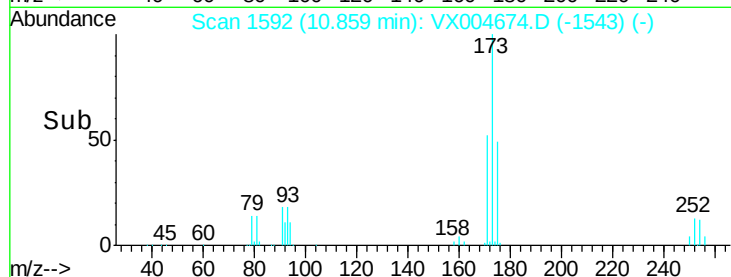
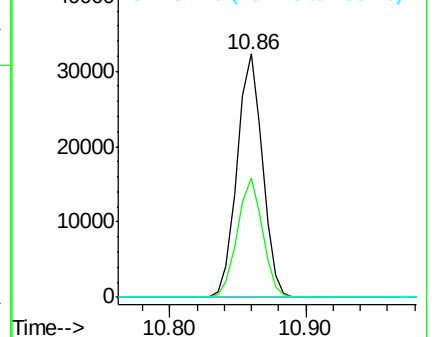
9/21/2018 11:00:42 AM



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: VX004674.D

Acq: 18 Sep 2018 23:23

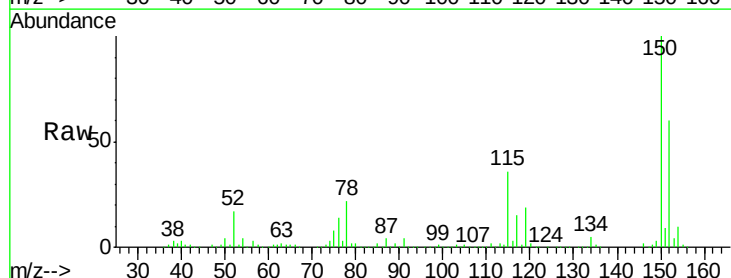
Tgt Ion:152 Resp: 214800

Ion Ratio Lower Upper

152 100

115 63.5 39.0 117.0

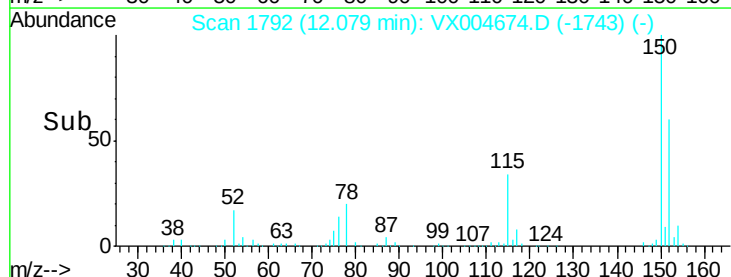
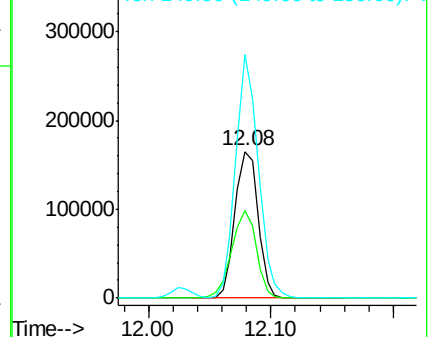
150 163.4 0.0 351.0

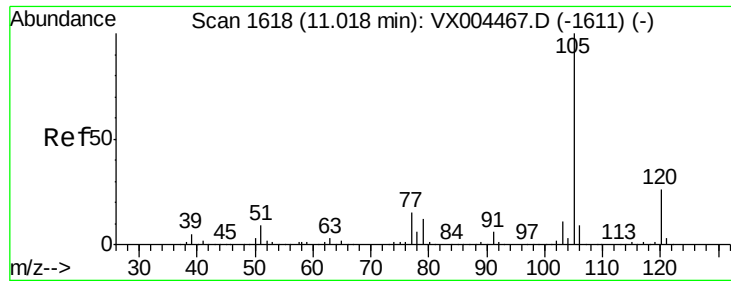


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.52 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX004674.D

Acq: 18 Sep 2018 23:23

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD02

Tot Ion: 105 Resp: 261988

Ion Ratio Lower Upper

105 100

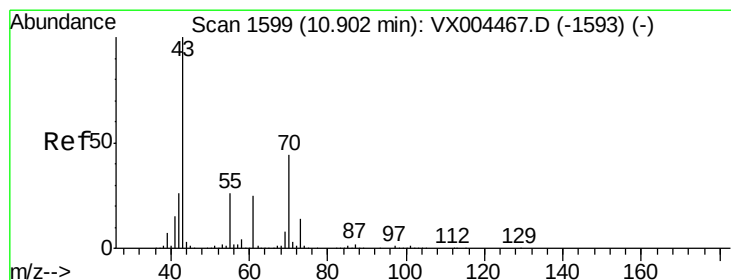
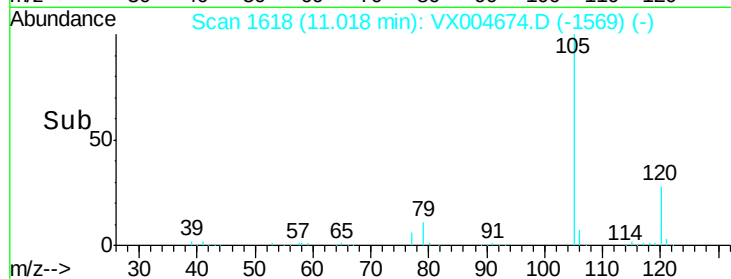
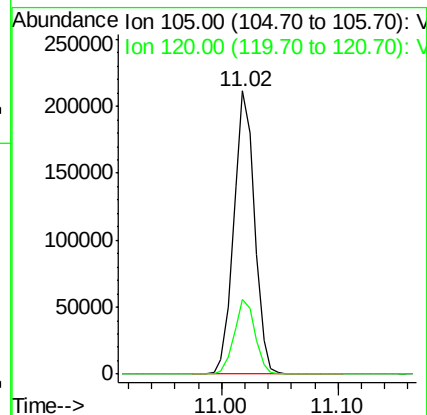
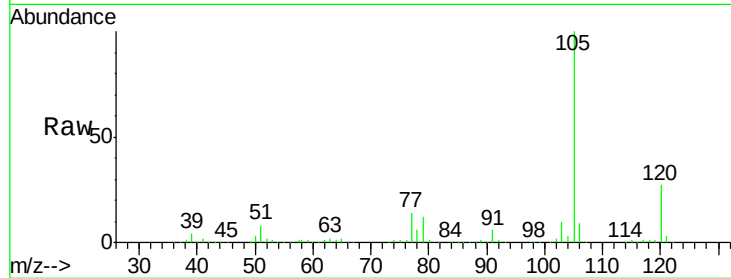
120 26.8 13.5 40.4

Manual Integrations

APPROVED

apatel

9/21/2018 11:00:42 AM



#74

N-ethyl acetate

Concen: 16.80 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX004674.D

Acq: 18 Sep 2018 23:23

Tgt Ion: 43 Resp: 100016

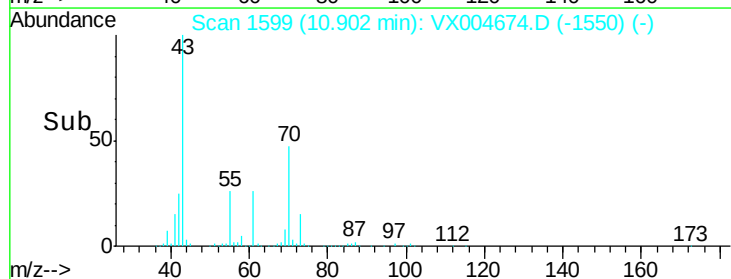
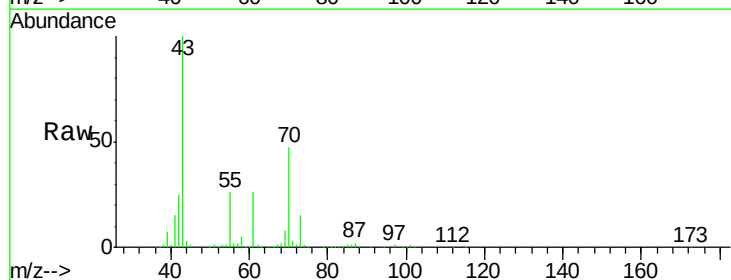
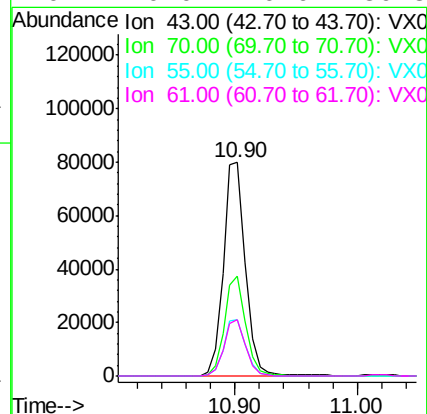
Ion Ratio Lower Upper

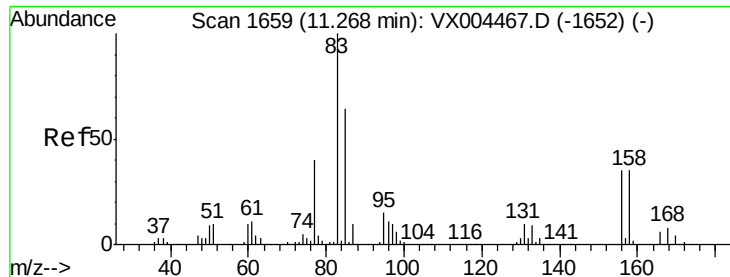
43 100

70 45.2 37.4 56.0

55 26.8 21.8 32.8

61 26.0 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 16.15 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX004674.D

Acq: 18 Sep 2018 23:23

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD02

Tot Ion: 83 Resp: 73699

Ion Ratio Lower Upper

83 100

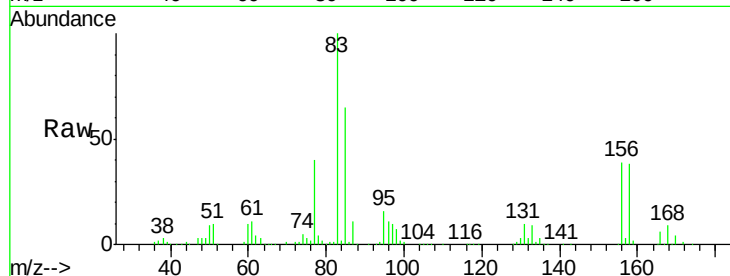
131 10.2 5.2 15.6

85 64.1 32.3 96.8

Manual Integrations
APPROVED

apatel

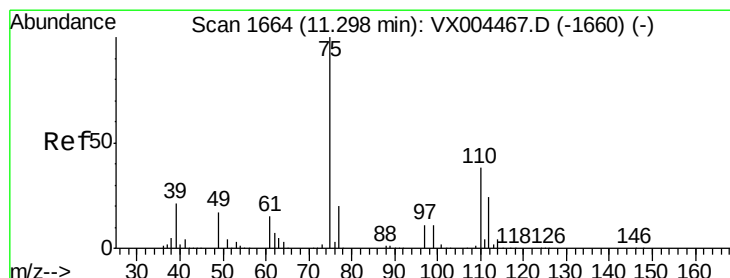
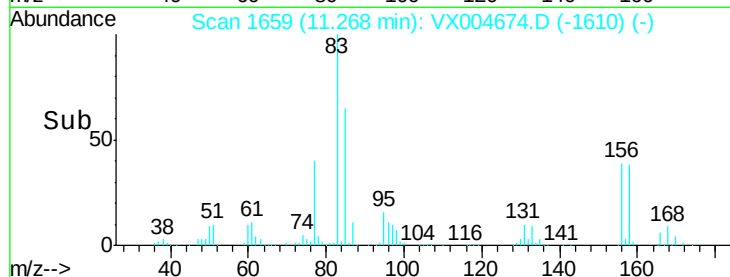
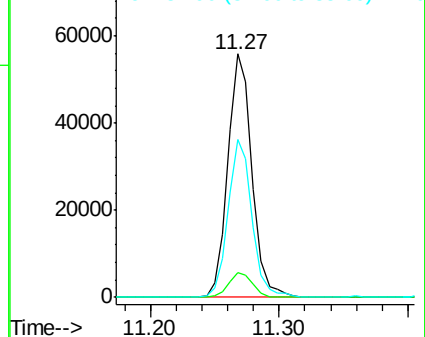
9/21/2018 11:00:42 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 17.27 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX004674.D

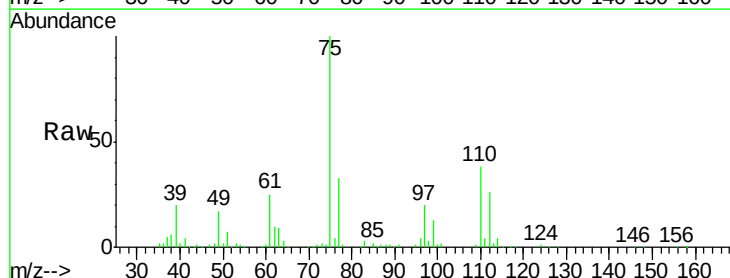
Acq: 18 Sep 2018 23:23

Tgt Ion: 75 Resp: 74637

Ion Ratio Lower Upper

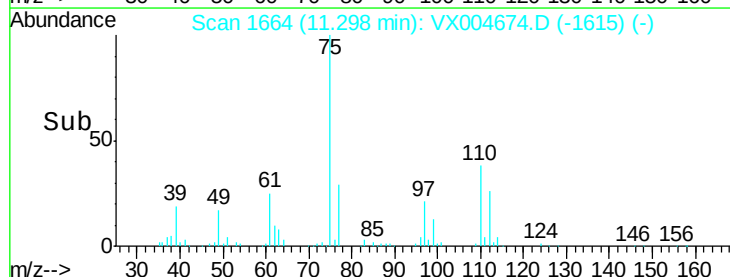
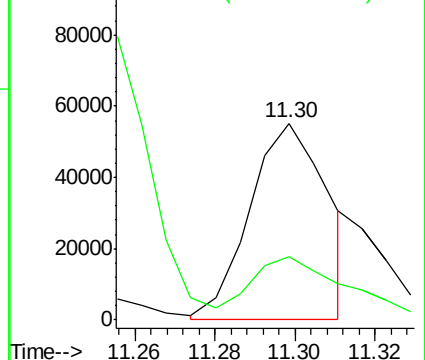
75 100

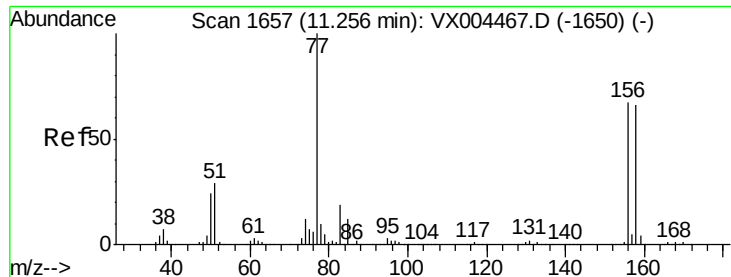
77 40.1 20.2 60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 18.15 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX004674.D

Acq: 18 Sep 2018 23:23

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD02

Tot Ion:156 Resp: 70968

Ion Ratio Lower Upper

156 100

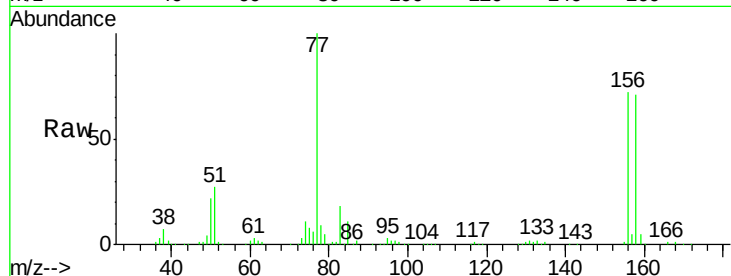
77 140.8 71.5 214.3

158 97.3 48.9 146.8

Manual Integrations
APPROVED

apatel

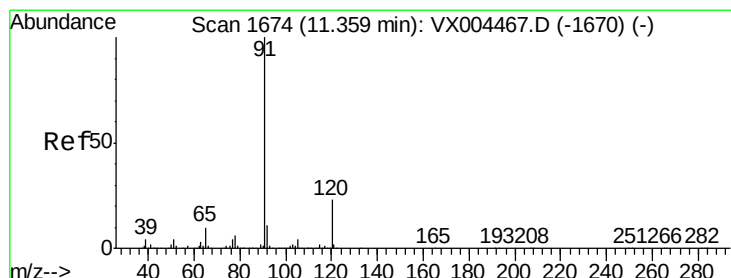
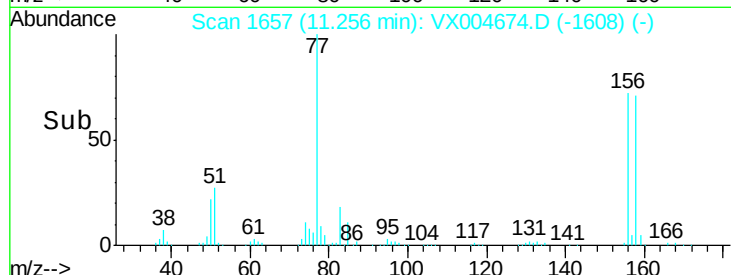
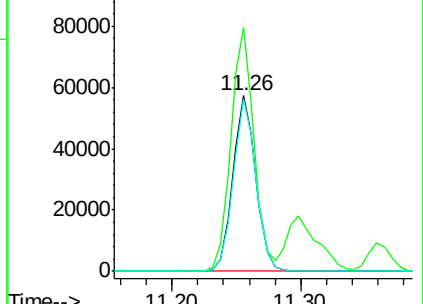
9/21/2018 11:00:42 AM



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: 18.10 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX004674.D

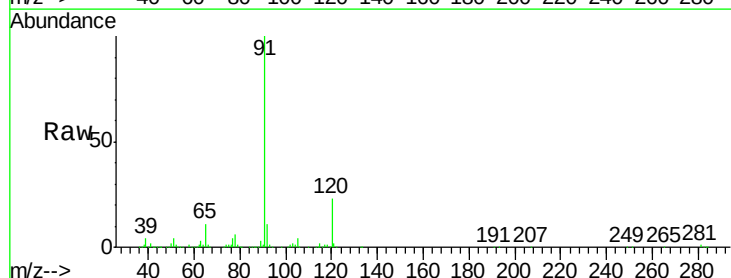
Acq: 18 Sep 2018 23:23

Tgt Ion: 91 Resp: 294421

Ion Ratio Lower Upper

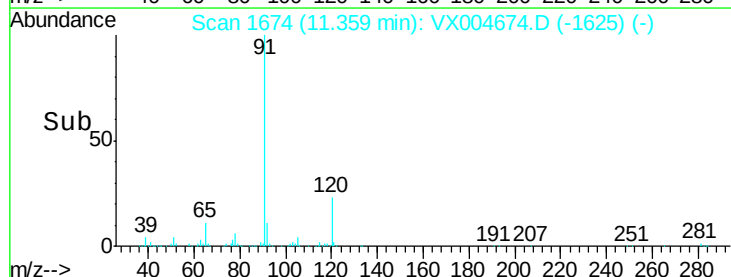
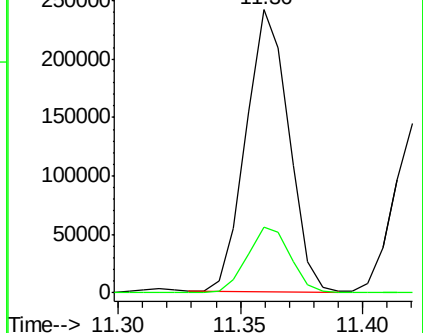
91 100

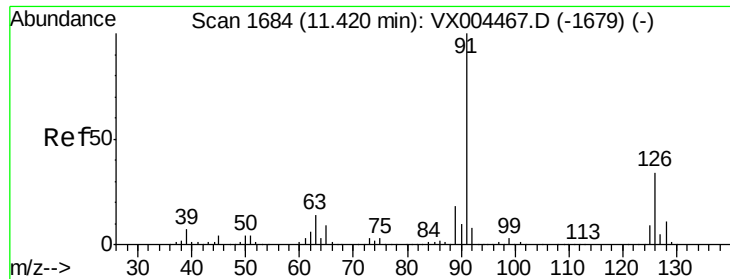
120 23.9 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.24 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX004674.D

Acq: 18 Sep 2018 23:23

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD02

Tot Ion: 91 Resp: 179979

Ion Ratio Lower Upper

91 100

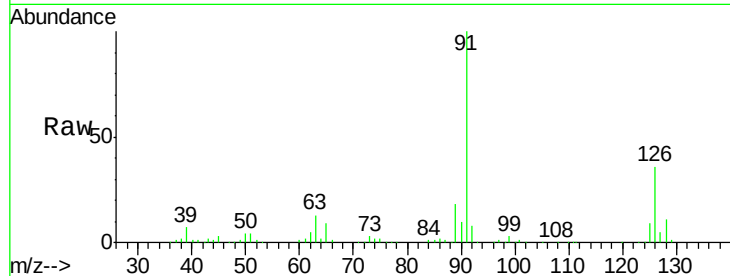
126 36.3 17.9 53.7

Manual Integrations

APPROVED

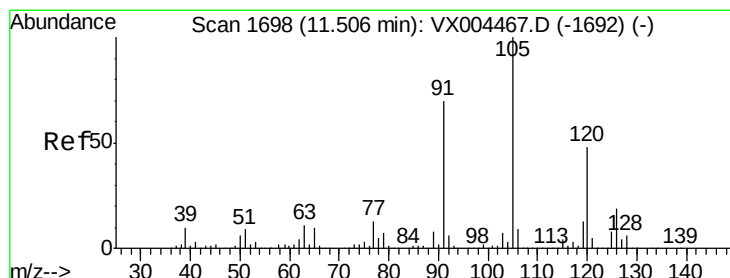
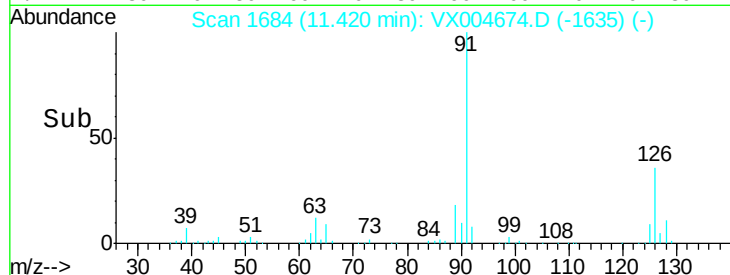
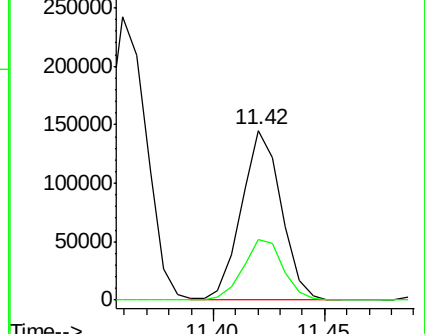
apatel

9/21/2018 11:00:42 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.17 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX004674.D

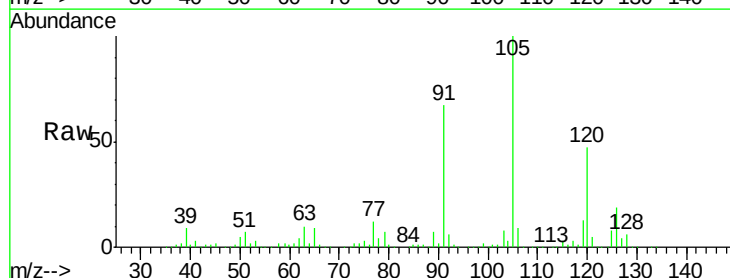
Acq: 18 Sep 2018 23:23

Tgt Ion:105 Resp: 239865

Ion Ratio Lower Upper

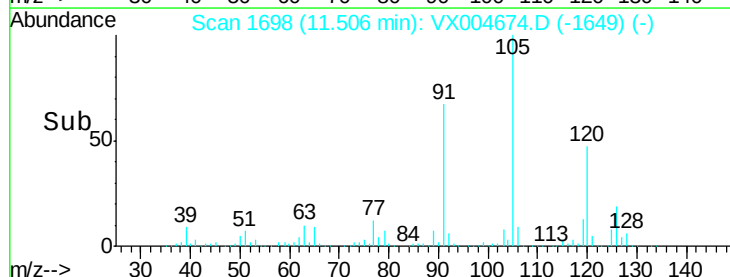
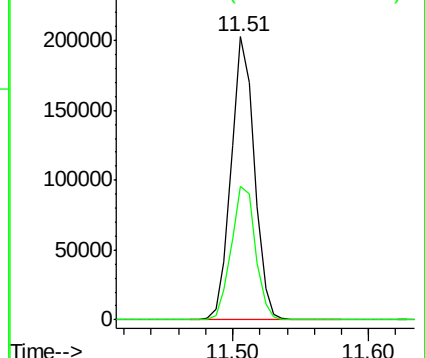
105 100

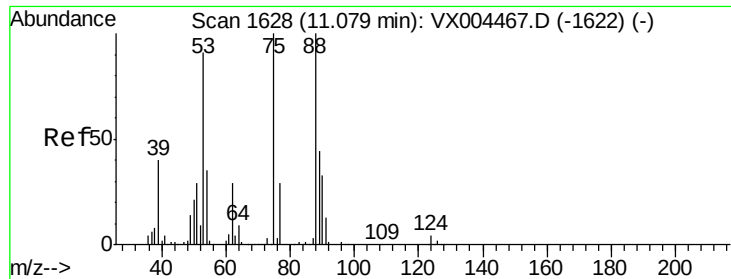
120 49.6 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 15.49 ug/l

RT: 11.08 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VX004674.D

Acq: 18 Sep 2018 23:23

Instrument :

MSVOA_X

ClientSampled :

VX0918WBSD02

Tot Ion: 75 Resp: 20999

Ion Ratio Lower Upper

75 100

53 98.1 80.1 120.1

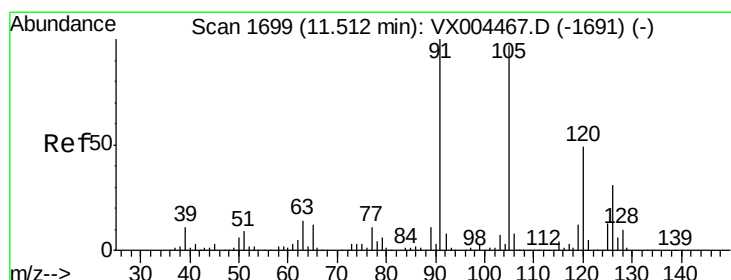
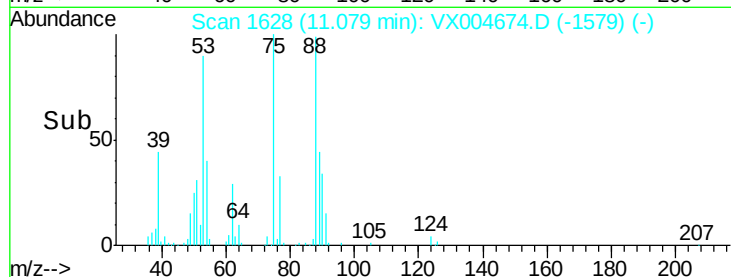
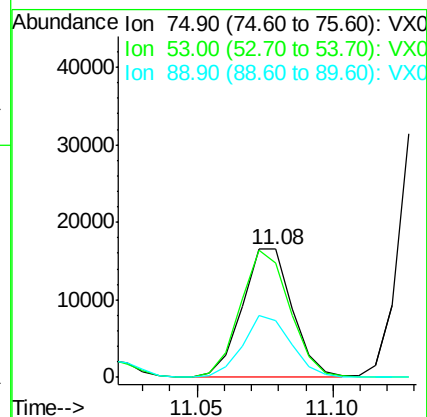
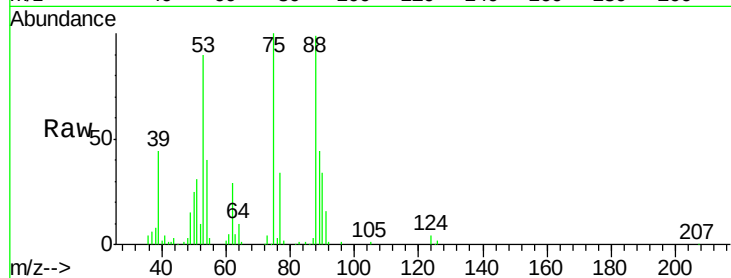
89 47.0 37.2 55.8

Manual Integrations

APPROVED

apatel

9/21/2018 11:00:42 AM



#82

4-Chlorotoluene

Concen: 19.02 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX004674.D

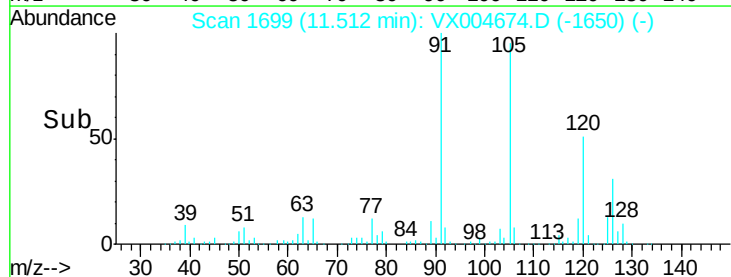
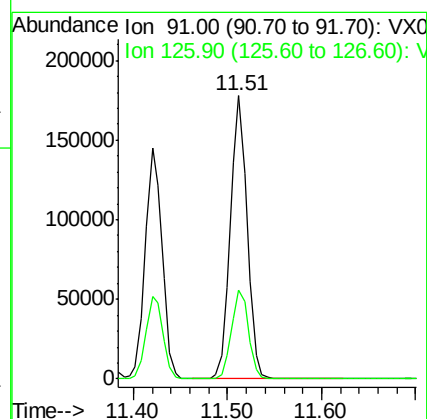
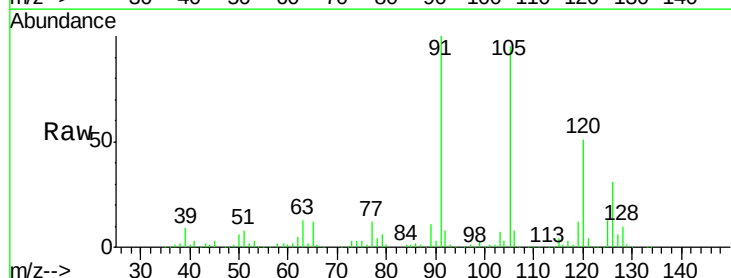
Acq: 18 Sep 2018 23:23

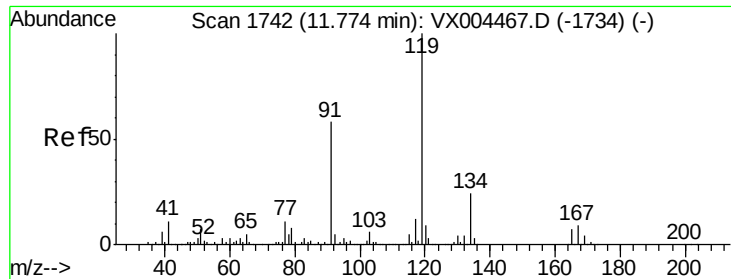
Tgt Ion: 91 Resp: 219027

Ion Ratio Lower Upper

91 100

126 31.7 15.5 46.5





#83

tert-Butylbenzene

Concen: 21.23 ug/l

RT: 11.77 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX004674.D

Acq: 18 Sep 2018 23:23

Instrument :

MSVOA_X

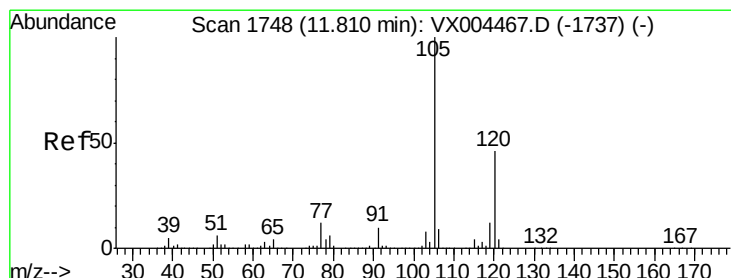
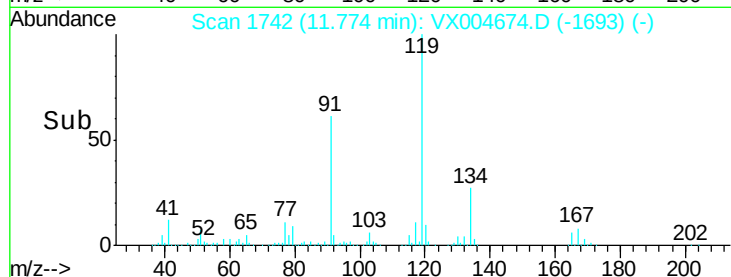
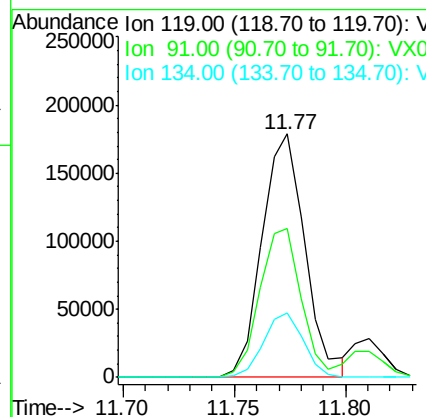
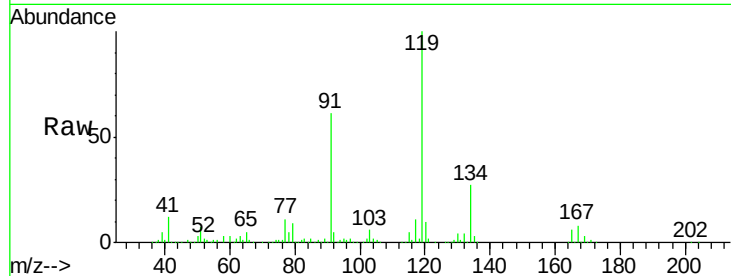
ClientSampleId :

VX0918WBSD02

Tot Ion:	119	Resp:	240399
Ion Ratio	Lower	Upper	
119	100		
91	58.8	27.0	81.0
134	24.7	11.7	35.1

Manual Integrations
APPROVED

apatel
9/21/2018 11:00:42 AM



#84

1,2,4-Trimethylbenzene

Concen: 22.29 ug/l

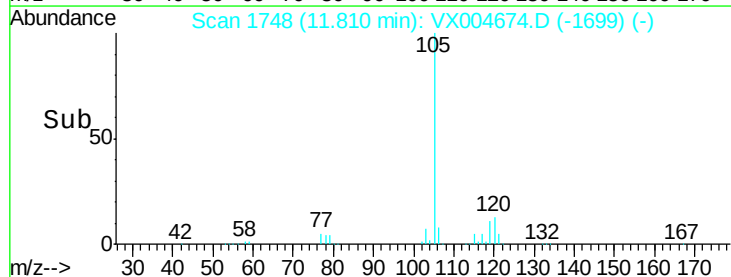
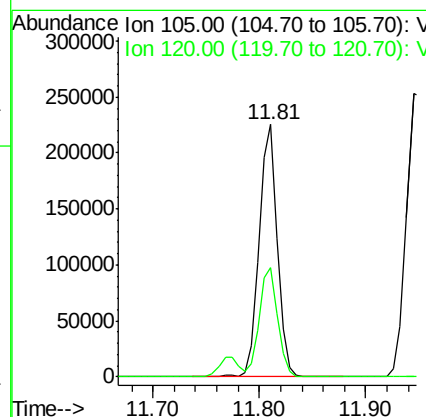
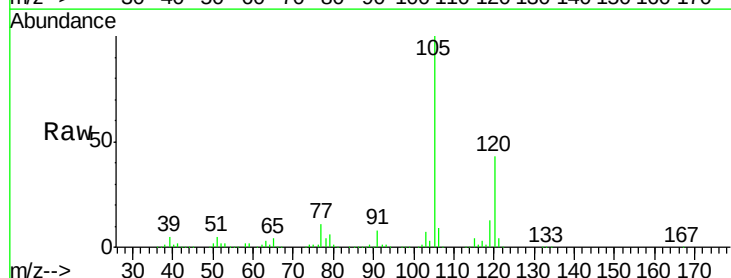
RT: 11.81 min Scan# 1748

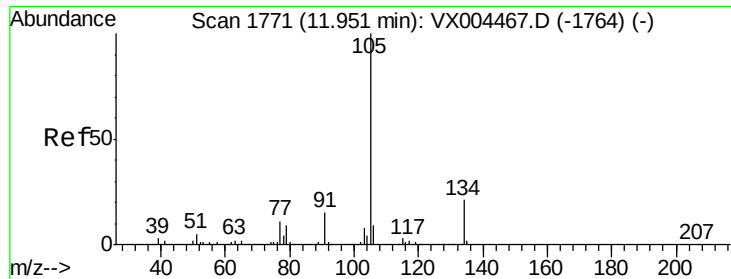
Delta R.T. 0.00 min

Lab File: VX004674.D

Acq: 18 Sep 2018 23:23

Tgt Ion:	105	Resp:	270701
Ion Ratio	Lower	Upper	
105	100		
120	43.8	23.2	69.6





#85

sec-Butylbenzene

Concen: 22.34 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004674.D

Acq: 18 Sep 2018 23:23

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD02

Tot Ion:105 Resp: 322326

Ion Ratio Lower Upper

105 100

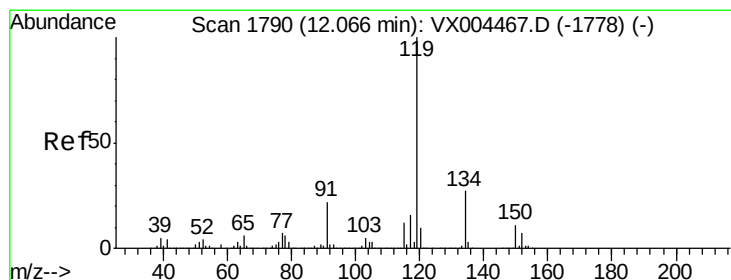
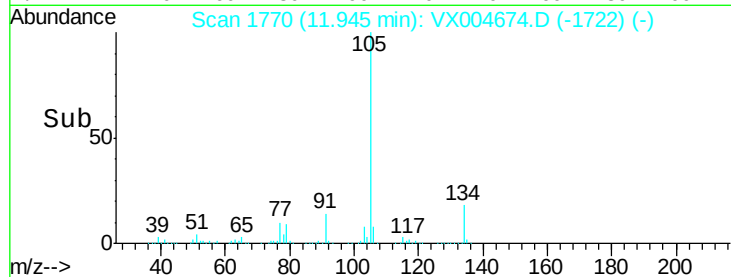
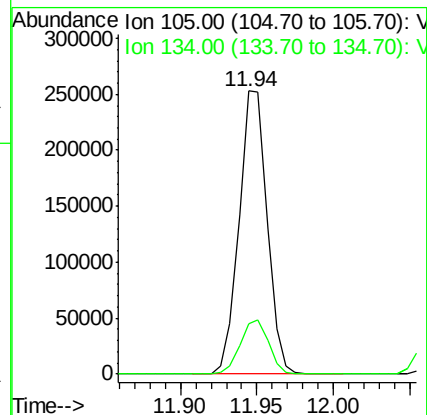
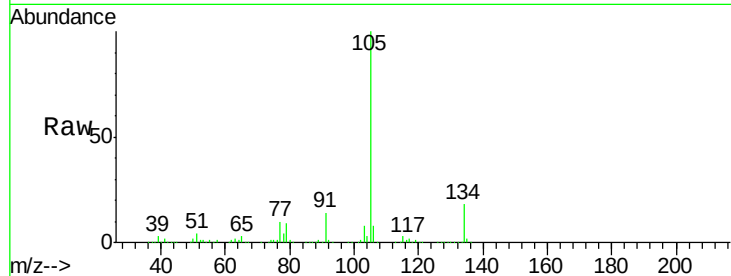
134 19.4 10.5 31.5

Manual Integrations

APPROVED

apatel

9/21/2018 11:00:42 AM



#86

p-Isopropyltoluene

Concen: 21.20 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX004674.D

Acq: 18 Sep 2018 23:23

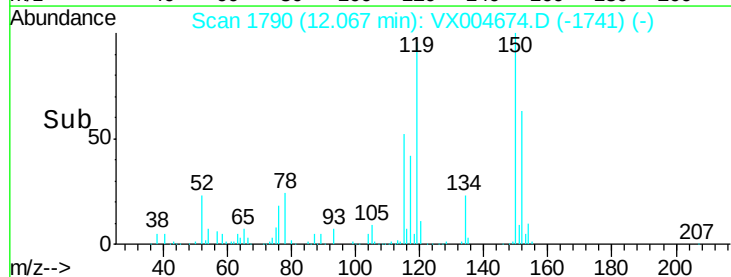
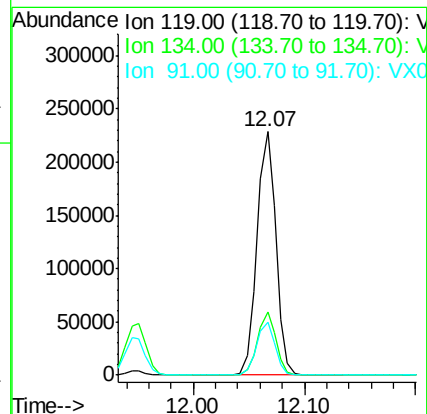
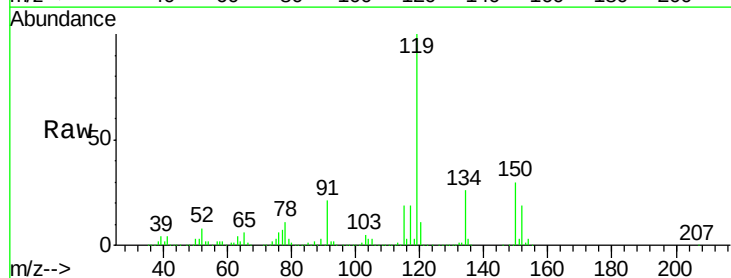
Tgt Ion:119 Resp: 270070

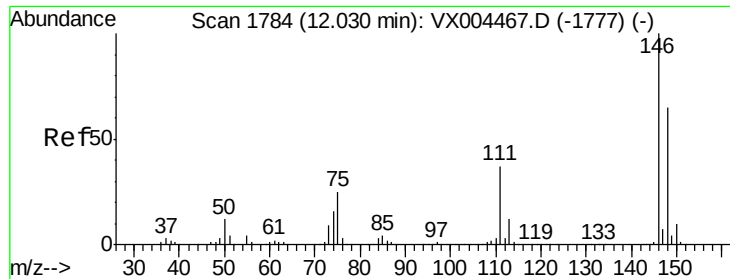
Ion Ratio Lower Upper

119 100

134 25.2 13.4 40.2

91 21.4 10.9 32.7





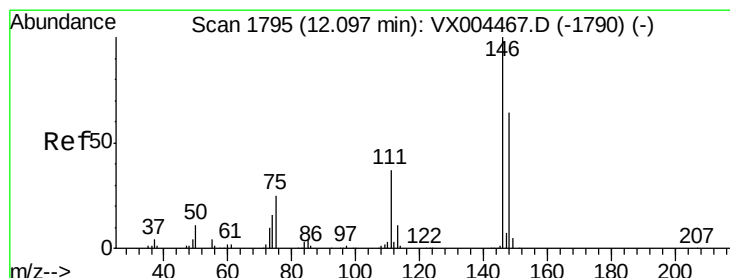
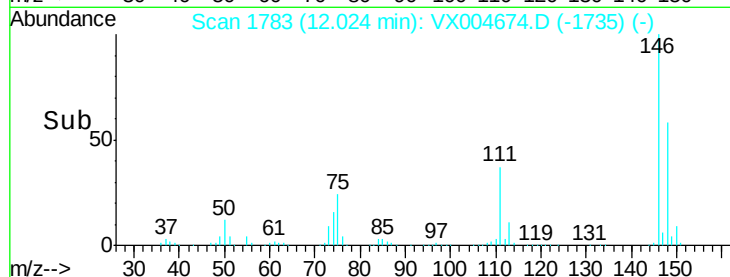
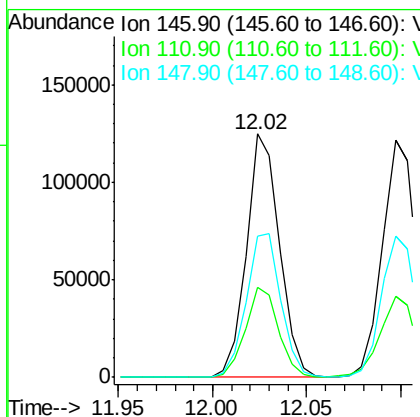
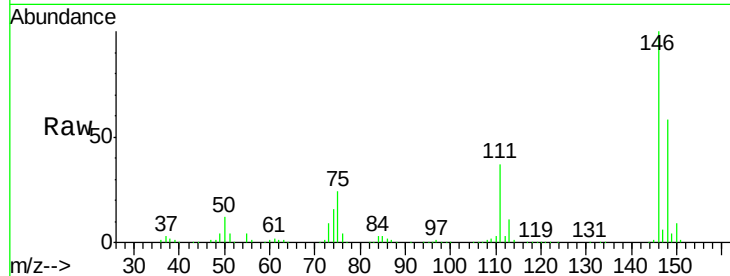
#87
 1,3-Dichlorobenzene
 Concen: 20.76 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: VX004674.D
 Acq: 18 Sep 2018 23:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.7	56.1
148	62.1	32.1	96.5

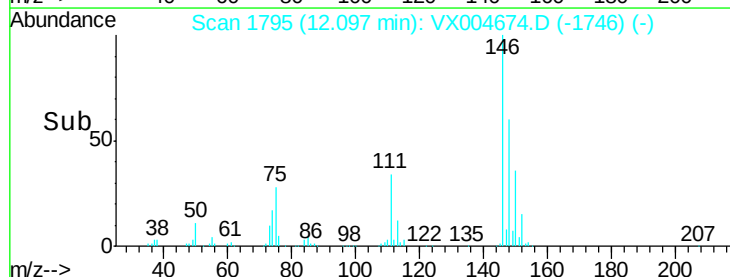
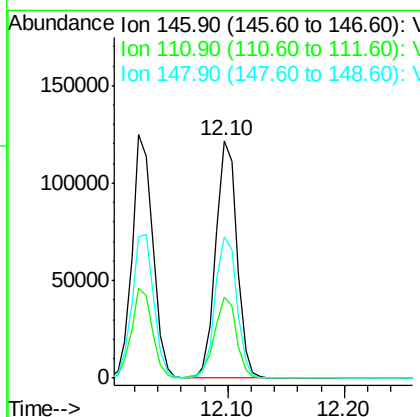
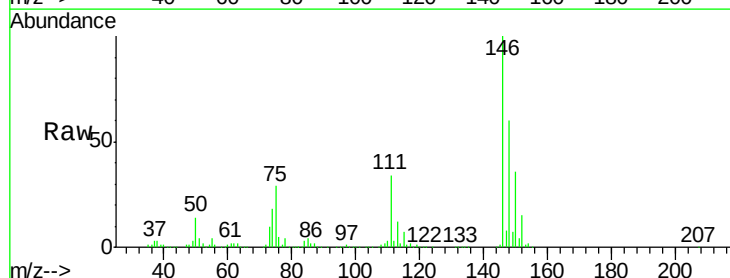
Manual Integrations
 APPROVED

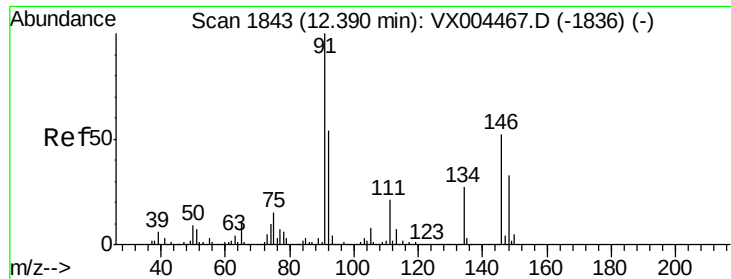
apatel
 9/21/2018 11:00:42 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.07 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX004674.D
 Acq: 18 Sep 2018 23:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.8	18.1	54.1
148	61.2	32.0	96.0





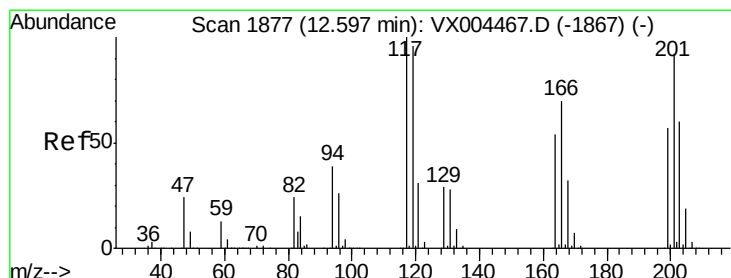
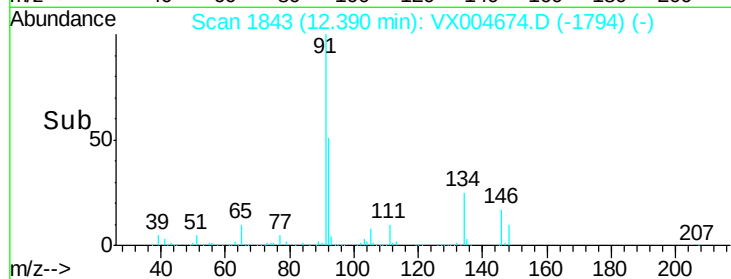
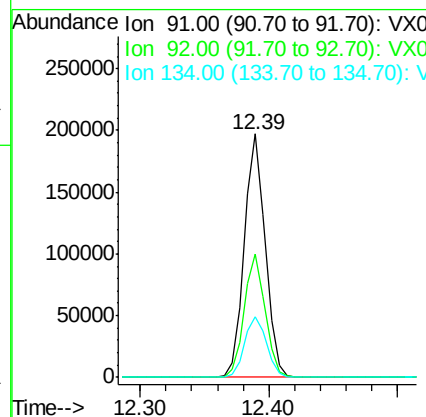
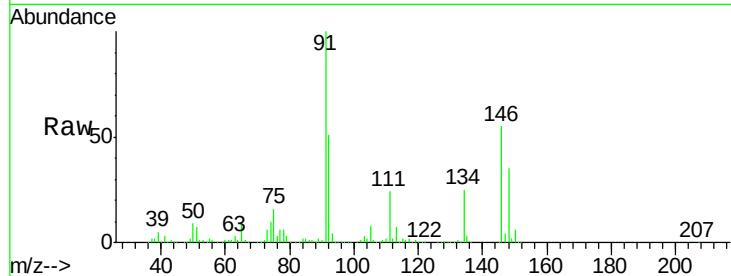
#89
n-Butylbenzene
Concen: 19.12 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX004674.D
Acq: 18 Sep 2018 23:23

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.6	27.3	81.9
134	26.0	13.6	40.7

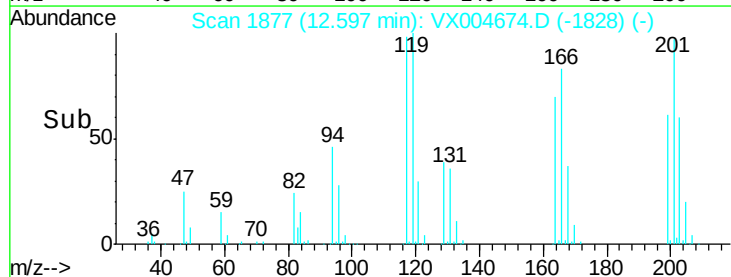
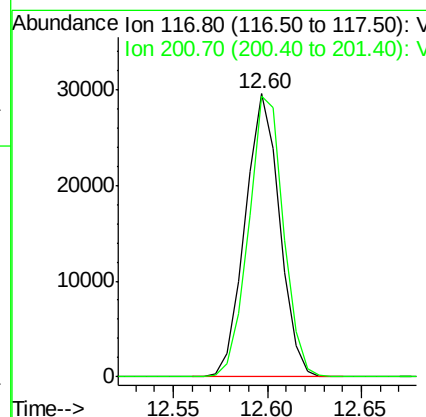
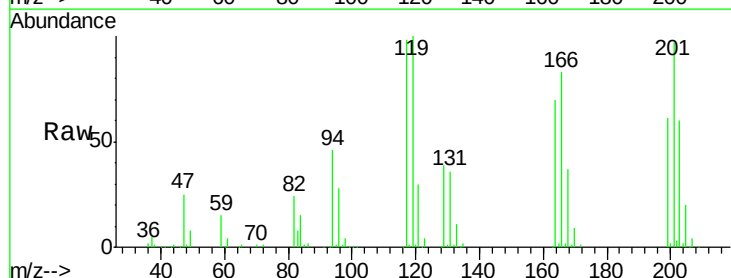
Manual Integrations
APPROVED

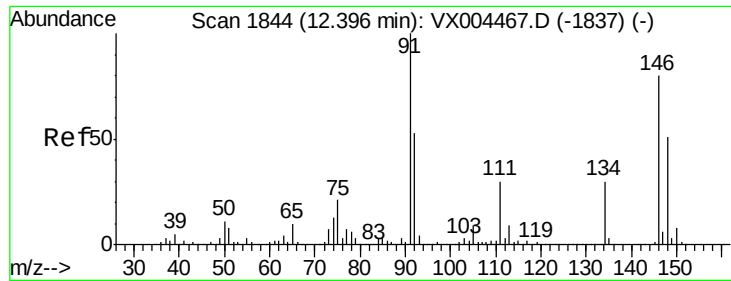
apatel
9/21/2018 11:00:42 AM



#90
Hexachloroethane
Concen: 18.35 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX004674.D
Acq: 18 Sep 2018 23:23

Tgt Ion	Ratio	Lower	Upper
117	100		
201	100.2	46.9	140.6





#91

1,2-Dichlorobenzene

Concen: 19.44 ug/l

RT: 12.40 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VX004674.D

Acq: 18 Sep 2018 23:23

Instrument :

MSVOA_X

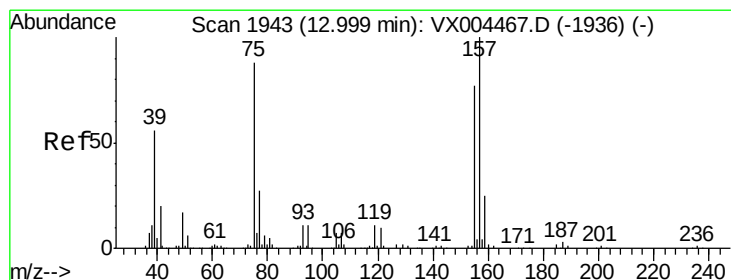
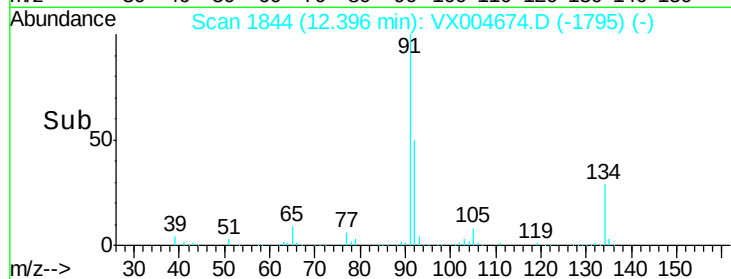
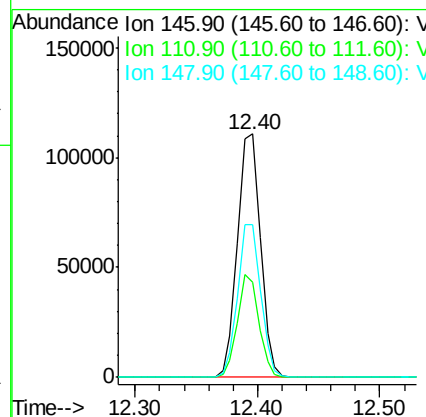
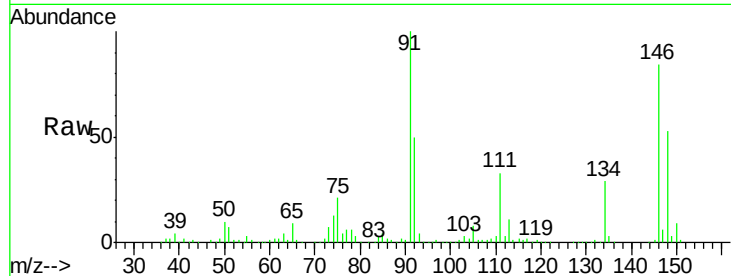
ClientSampleId :

VX0918WBSD02

Tot Ion:	146	Resp:	143579
Ion Ratio	Lower	Upper	
146	100		
111	39.4	19.4	58.1
148	63.0	32.8	98.3

Manual Integrations
APPROVED

apatel
9/21/2018 11:00:42 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.66 ug/l

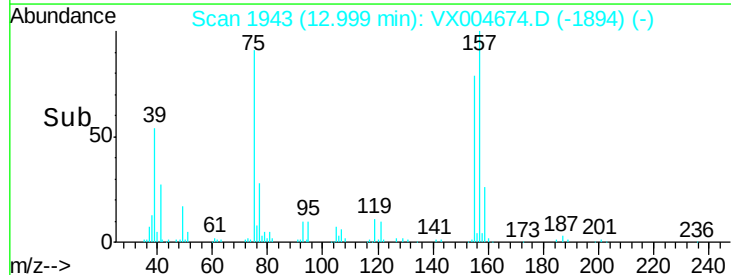
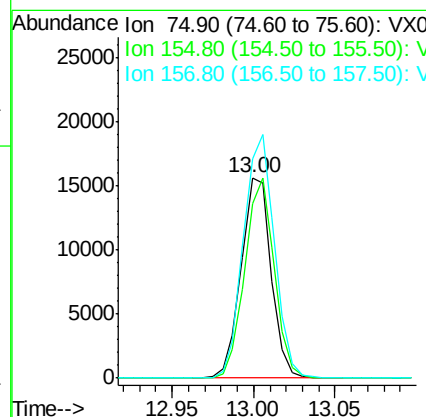
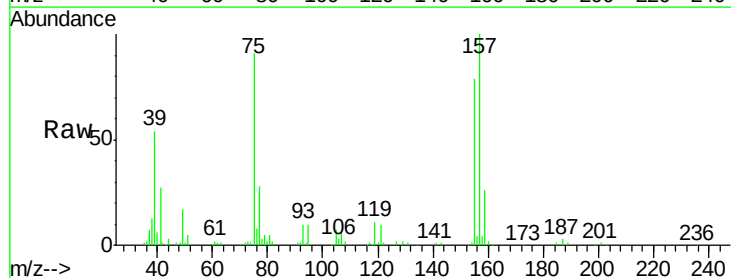
RT: 13.00 min Scan# 1943

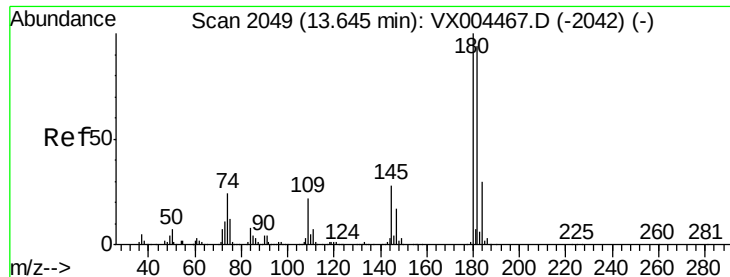
Delta R.T. 0.00 min

Lab File: VX004674.D

Acq: 18 Sep 2018 23:23

Tgt Ion:	75	Resp:	20125
Ion Ratio	Lower	Upper	
75	100		
155	97.7	48.0	144.2
157	124.7	61.4	184.1





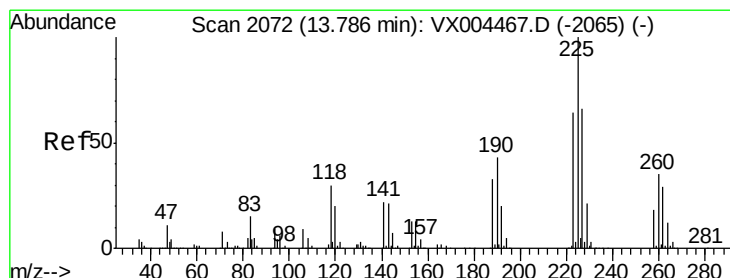
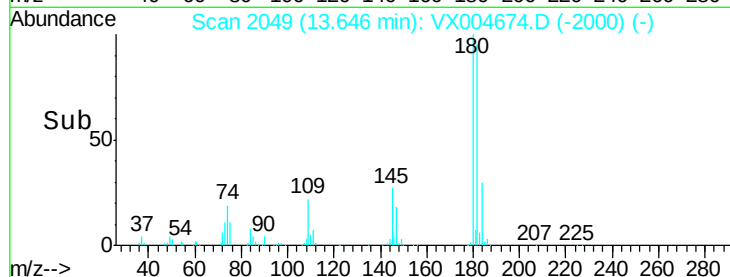
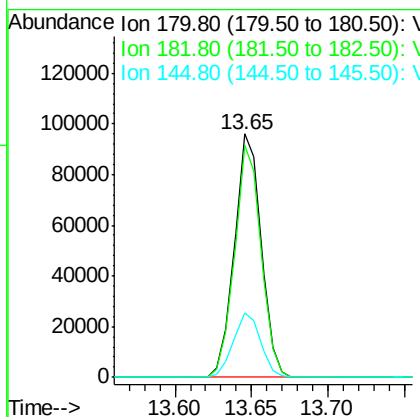
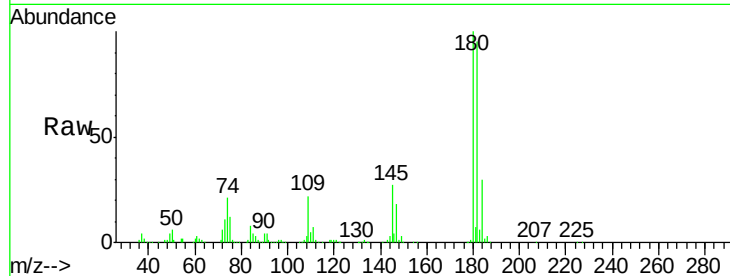
#93
 1,2,4-Trichlorobenzene
 Concen: 22.25 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX004674.D
 Acq: 18 Sep 2018 23:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	116348		
182	94.3	48.4	145.0	
145	27.3	14.3	42.9	

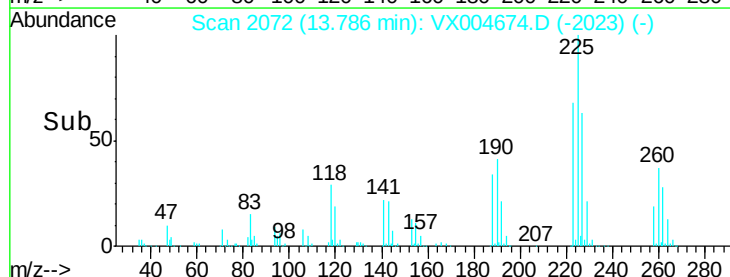
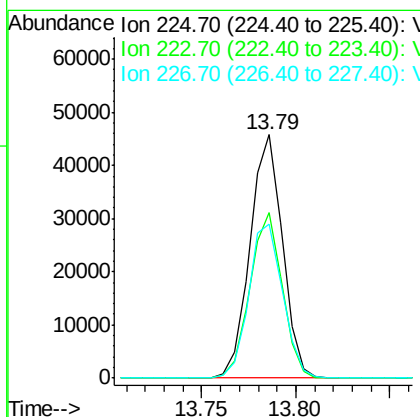
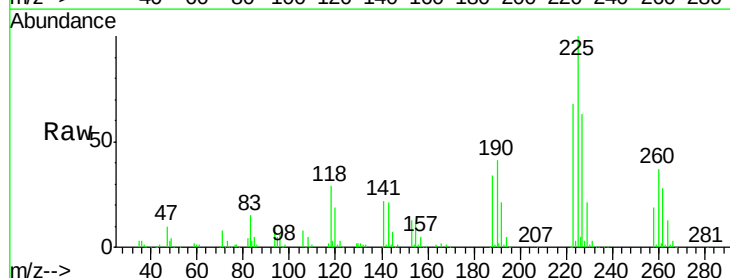
Manual Integrations
 APPROVED

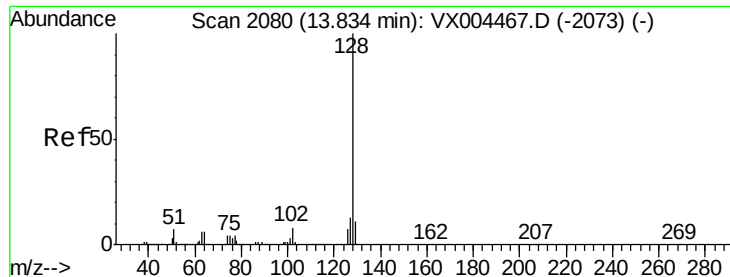
apatel
 9/21/2018 11:00:42 AM



#94
 Hexachlorobutadiene
 Concen: 19.96 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX004674.D
 Acq: 18 Sep 2018 23:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	54501		
223	67.5	30.1	90.5	
227	66.4	30.8	92.4	





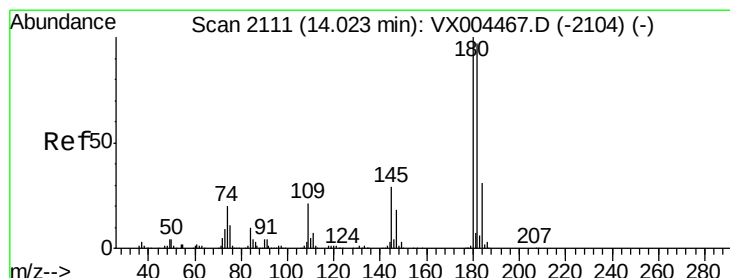
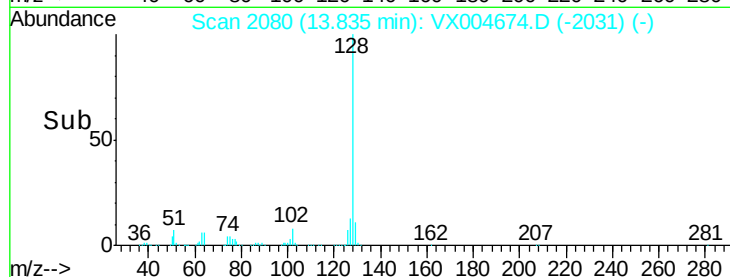
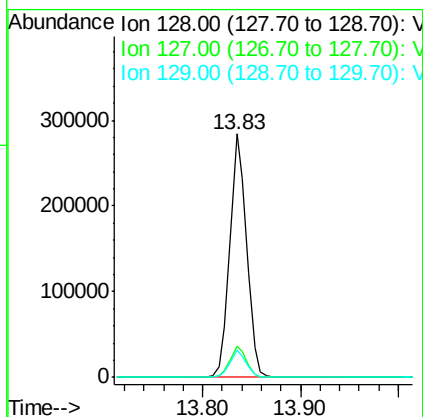
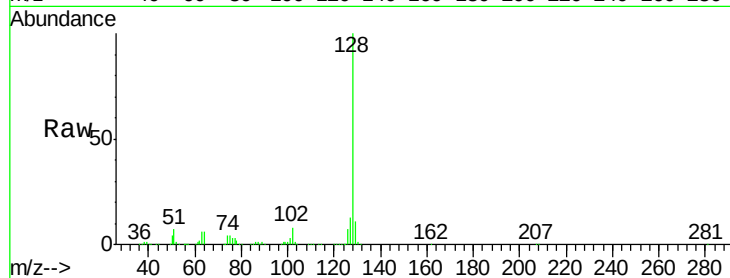
#95
Naphthalene
Concen: 23.14 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX004674.D
Acq: 18 Sep 2018 23:23

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD02

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.8	8.6	12.8

Manual Integrations
APPROVED

apatel
9/21/2018 11:00:42 AM



#96
1,2,3-Trichlorobenzene
Concen: 21.56 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. 0.00 min
Lab File: VX004674.D
Acq: 18 Sep 2018 23:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	48.5	145.6
145	29.4	14.9	44.9

