

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073118\
 Data File : VX003778.D
 Acq On : 01 Aug 2018 04:44
 Operator : JC/SP
 Sample : J4143-03MSD
 Misc : 10.13G/5.0mL/MSVOA X/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-1(3-5)MSD

Manual Integrations
 APPROVED

apatel
 8/1/2018 6:54:51 PM

Quant Time: Aug 01 07:35:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 11:17:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	74535	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	108173	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	84246	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	36879	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	39585	52.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.02%	
35) Dibromofluoromethane	5.51	113	36865	57.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.76%	
50) Toluene-d8	8.72	98	147338	55.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.96%	
62) 4-Bromofluorobenzene	11.14	95	38461	39.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	37778	60.05	ug/l	96
3) Chloromethane	1.32	50	43639	55.18	ug/l	100
4) Vinyl Chloride	1.40	62	46245	54.36	ug/l	94
5) Bromomethane	1.64	94	26401	57.20	ug/l	100
6) Chloroethane	1.72	64	32903	58.49	ug/l	93
7) Trichlorofluoromethane	1.93	101	66768	59.86	ug/l	95
8) Diethyl Ether	2.19	74	26809	63.59	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.39	101	39979	56.50	ug/l	97
10) Methyl Iodide	2.51	142	33018	40.59	ug/l	99
11) Tert butyl alcohol	3.07	59	26124	214.02	ug/l	100
12) 1,1-Dichloroethene	2.37	96	36266	54.44	ug/l	92
13) Acrolein	2.29	56	77	1.93	ug/l #	11
14) Allyl chloride	2.73	41	54777	46.38	ug/l	99
15) Acrylonitrile	3.15	53	71028	228.81	ug/l	97
16) Acetone	2.45	43	102063	354.46	ug/l	99
17) Carbon Disulfide	2.57	76	92019	42.45	ug/l	98
18) Methyl Acetate	2.78	43	85848	106.09	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	118170	65.16	ug/l	99
20) Methylene Chloride	2.86	84	46771	62.47	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	35239	48.27	ug/l	88
22) Diisopropyl ether	3.87	45	136924	64.23	ug/l	92
23) Vinyl Acetate	3.82	43	89273	58.06	ug/l	96
24) 1,1-Dichloroethane	3.70	63	76166	61.26	ug/l	95
25) 2-Butanone	4.70	43	98593	234.88	ug/l	99
26) 2,2-Dichloropropane	4.59	77	41498	42.38	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	39919	50.74	ug/l	99
28) Bromochloromethane	5.02	49	29322	52.58	ug/l	91
29) Tetrahydrofuran	5.15	42	58096	217.18	ug/l	98
30) Chloroform	5.21	83	74061	60.45	ug/l	86
31) Cyclohexane	5.57	56	61208	50.97	ug/l #	92
32) 1,1,1-Trichloroethane	5.50	97	60919	57.86	ug/l	98
36) 1,1-Dichloropropene	5.80	75	49273	48.64	ug/l	98
37) Ethyl Acetate	4.85	43	29391	37.77	ug/l	99
38) Carbon Tetrachloride	5.79	117	48016	51.24	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073118\
 Data File : VX003778.D
 Acq On : 01 Aug 2018 04:44
 Operator : JC/SP
 Sample : J4143-03MSD
 Misc : 10.13G/5.0mL/MSVOA X/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 SB-1(3-5)MSD

Manual Integrations
 APPROVED

apatel
 8/1/2018 6:54:51 PM

Quant Time: Aug 01 07:35:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 11:17:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	47965	38.56	ug/l	97
40) Benzene	6.15	78	149089	51.36	ug/l	92
41) Methacrylonitrile	5.06	41	20929	47.71	ug/l	96
42) 1,2-Dichloroethane	6.20	62	49029	55.92	ug/l	98
43) Isopropyl Acetate	6.46	43	58664	47.31	ug/l	98
44) Trichloroethene	7.21	130	40350	48.72	ug/l	87
45) 1,2-Dichloropropane	7.52	63	39716	55.63	ug/l	96
46) Dibromomethane	7.67	93	20856	50.70	ug/l	93
47) Bromodichloromethane	7.90	83	44716	54.54	ug/l	93
48) Methyl methacrylate	7.77	41	35570	57.19	ug/l	94
49) 1,4-Dioxane	7.75	88	10087	803.59	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	210731	276.56	ug/l	97
52) Toluene	8.79	92	107260	59.23	ug/l	95
53) t-1,3-Dichloropropene	9.04	75	46648	49.82	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	51165	49.02	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	40757	65.40	ug/l	95
56) Ethyl methacrylate	9.18	69	45365	52.99	ug/l	96
57) 1,3-Dichloropropane	9.37	76	64211	61.38	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	110938	243.29	ug/l	98
59) 2-Hexanone	9.49	43	138883	239.25	ug/l	98
60) Dibromochloromethane	9.59	129	34726	55.33	ug/l	99
61) 1,2-Dibromoethane	9.68	107	32111	50.46	ug/l	99
64) Tetrachloroethene	9.34	164	44455	67.13	ug/l	96
65) Chlorobenzene	10.14	112	90338	51.31	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	33991	59.21	ug/l	100
67) Ethyl Benzene	10.26	91	155133	52.19	ug/l	99
68) m/p-Xylenes	10.36	106	118065	101.53	ug/l	96
69) o-Xylene	10.70	106	64652	59.88	ug/l	98
70) Styrene	10.71	104	97023	53.41	ug/l	98
71) Bromoform	10.86	173	21956	55.62	ug/l #	99
73) Isopropylbenzene	11.02	105	146922	63.64	ug/l	99
74) N-amyl acetate	6.46	43	58664	71.69	ug/l #	56
75) 1,1,2,2-Tetrachloroethane	11.27	83	42661	71.07	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	35207m	69.26	ug/l	
77) Bromobenzene	11.26	156	37018	61.50	ug/l	94
78) n-propylbenzene	11.36	91	163955	58.62	ug/l	98
79) 2-Chlorotoluene	11.42	91	95846	60.36	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	117744	59.75	ug/l #	68
81) trans-1,4-Dichloro-2-buten	11.08	75	7599	44.28	ug/l	87
82) 4-Chlorotoluene	11.51	91	111031	57.65	ug/l	99
83) tert-Butylbenzene	11.77	119	120466	61.81	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	132686	65.41	ug/l	99
85) sec-Butylbenzene	11.94	105	136448	54.72	ug/l	99
86) p-Isopropyltoluene	12.07	119	120781	53.29	ug/l #	71
87) 1,3-Dichlorobenzene	12.02	146	64020	52.58	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	61104	49.19	ug/l	100
89) n-Butylbenzene	12.39	91	88099	40.84	ug/l	99
90) Hexachloroethane	12.60	117	17564	52.19	ug/l	96
91) 1,2-Dichlorobenzene	12.40	146	59260	52.26	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	7171	60.21	ug/l	94

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX073118\
Data File : VX003778.D
Acq On : 01 Aug 2018 04:44
Operator : JC/SP
Sample : J4143-03MSD
Misc : 10.13G/5.0mL/MSVOA X/SOIL
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SB-1(3-5)MSD

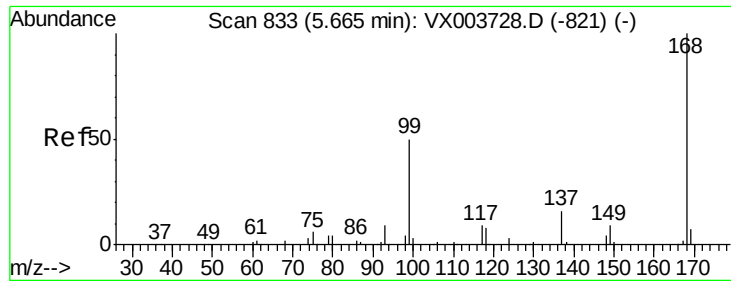
Manual Integrations
APPROVED

apatel
8/1/2018 6:54:51 PM

Quant Time: Aug 01 07:35:26 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X073018S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 31 11:17:41 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	25832	28.72	ug/l	99
94) Hexachlorobutadiene	13.79	225	12728	22.13	ug/l	100
95) Naphthalene	13.83	128	150893	78.50	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	23636	28.95	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

Instrument :

MSVOA_X

ClientSampleId :

SB-1(3-5)MSD

Tot Ion:168 Resp: 74535

Ion Ratio Lower Upper

168 100

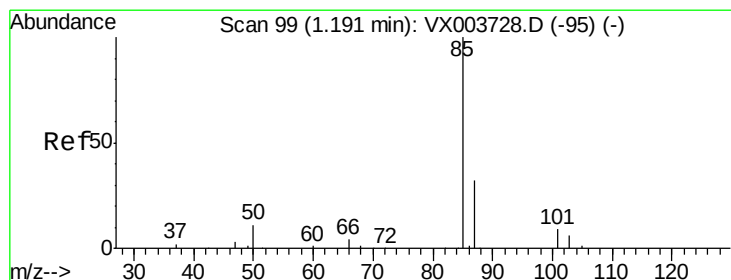
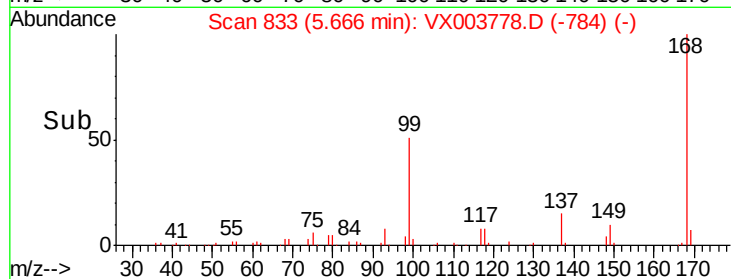
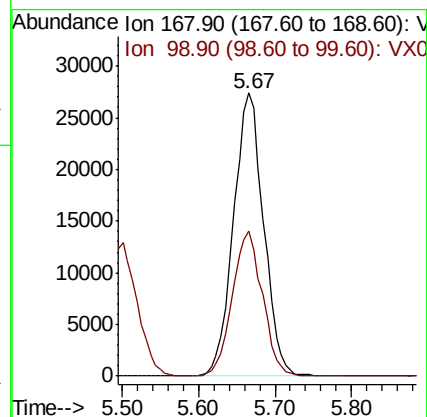
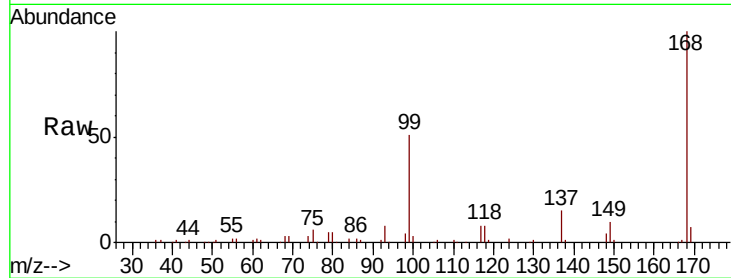
99 51.2 40.2 60.2

Manual Integrations

APPROVED

apatel

8/1/2018 6:54:51 PM



#2

Dichlorodifluoromethane

Concen: 60.05 ug/l

RT: 1.19 min Scan# 99

Delta R.T. 0.00 min

Lab File: VX003778.D

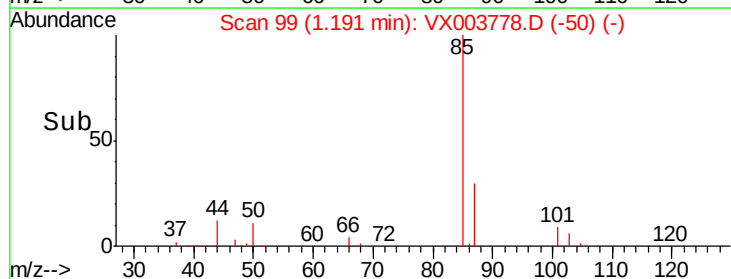
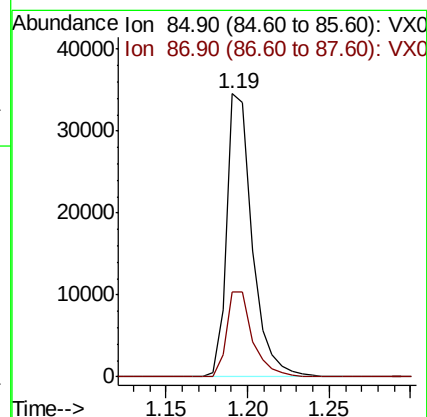
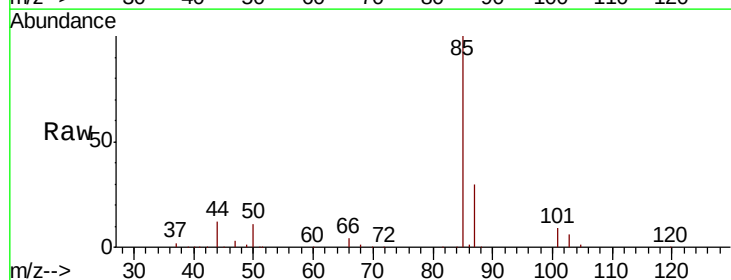
Acq: 01 Aug 2018 04:44

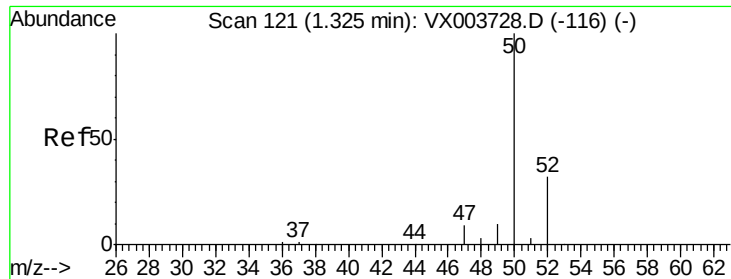
Tgt Ion: 85 Resp: 37778

Ion Ratio Lower Upper

85 100

87 29.9 16.1 48.2





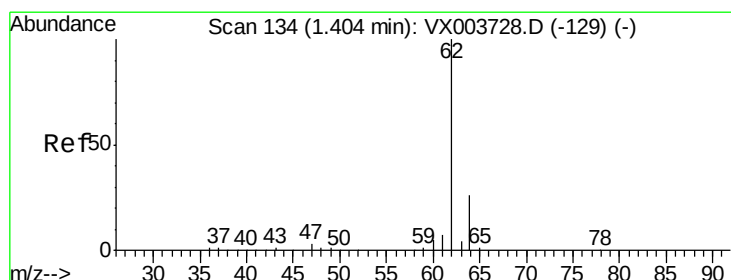
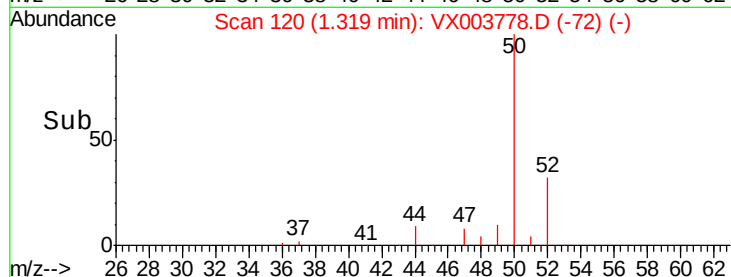
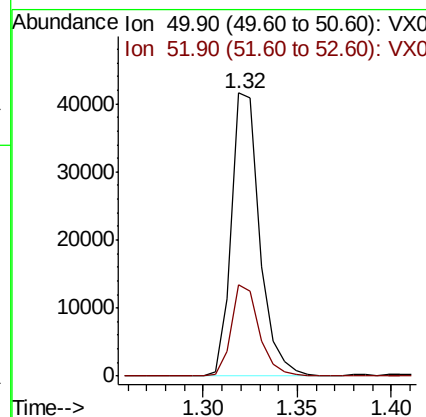
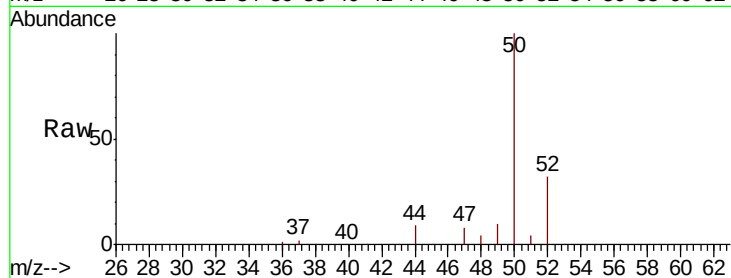
#3
Chloromethane
Concen: 55.18 ug/l
RT: 1.32 min Scan# 120
Delta R.T. -0.01 min
Lab File: VX003778.D
Acq: 01 Aug 2018 04:44

Instrument :
MSVOA_X
ClientSampleId :
SB-1(3-5)MSD

Tot Ion	50	52	Ratio	Lower	Upper	Resp
43639	100	32.2		25.9	38.9	

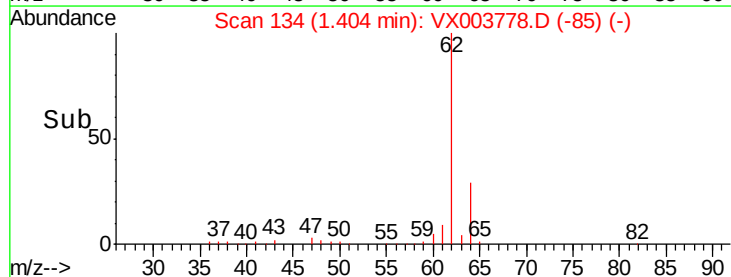
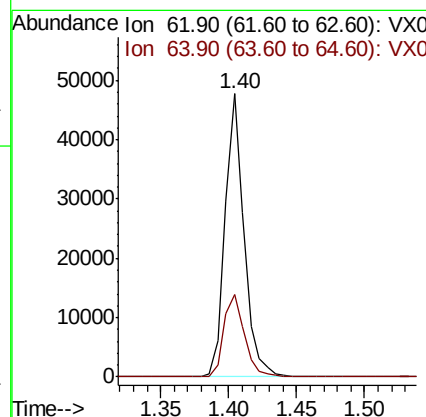
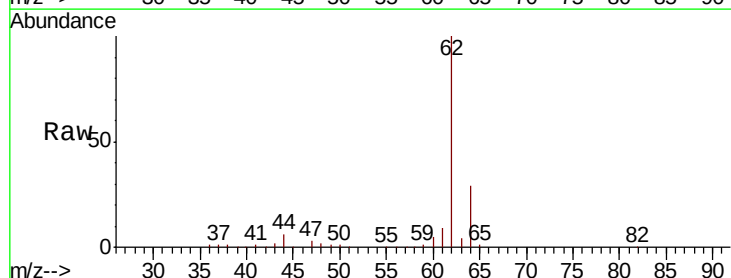
Manual Integrations
APPROVED

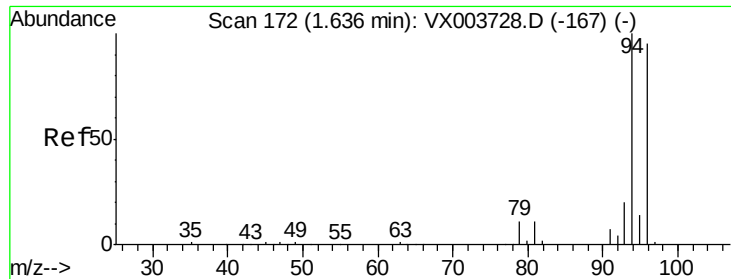
apatel
8/1/2018 6:54:51 PM



#4
Vinyl Chloride
Concen: 54.36 ug/l
RT: 1.40 min Scan# 134
Delta R.T. 0.00 min
Lab File: VX003778.D
Acq: 01 Aug 2018 04:44

Tgt Ion	62	64	Ratio	Lower	Upper	Resp
46245	100	29.3		21.0	31.4	





#5

Bromomethane

Concen: 57.20 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

Instrument :

MSVOA_X

ClientSampleId :

SB-1(3-5)MSD

Tot Ion: 94 Resp: 26401

Ion Ratio Lower Upper

94 100

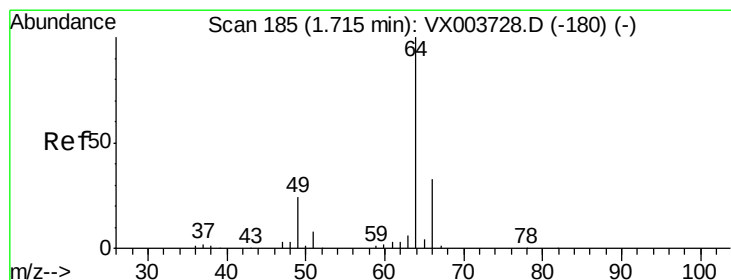
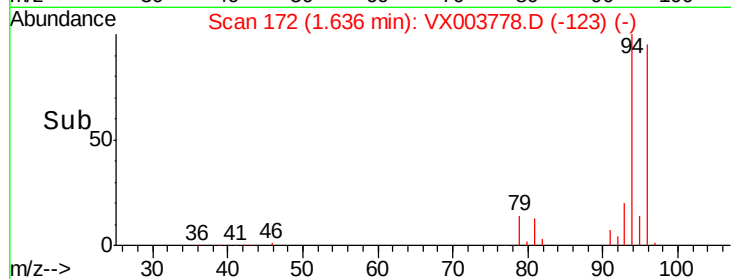
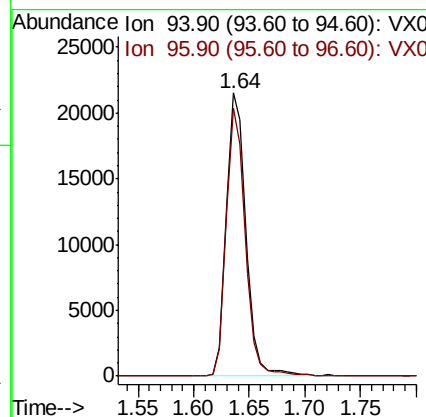
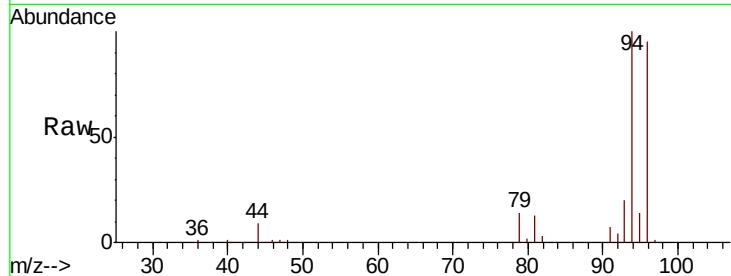
96 94.8 76.0 114.0

Manual Integrations

APPROVED

apatel

8/1/2018 6:54:51 PM



#6

Chloroethane

Concen: 58.49 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX003778.D

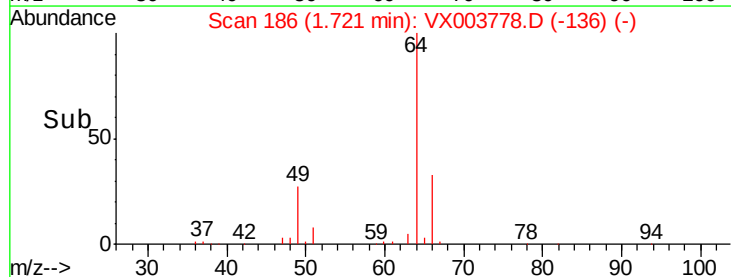
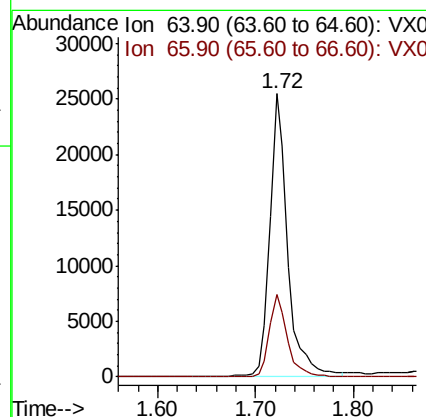
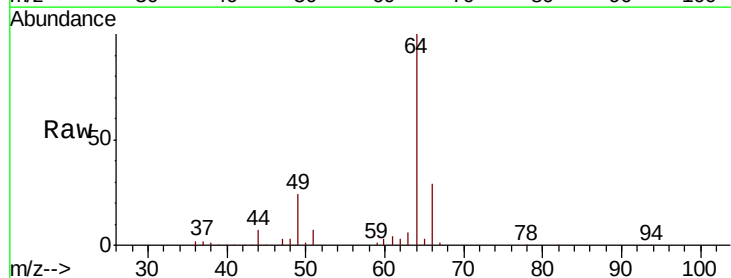
Acq: 01 Aug 2018 04:44

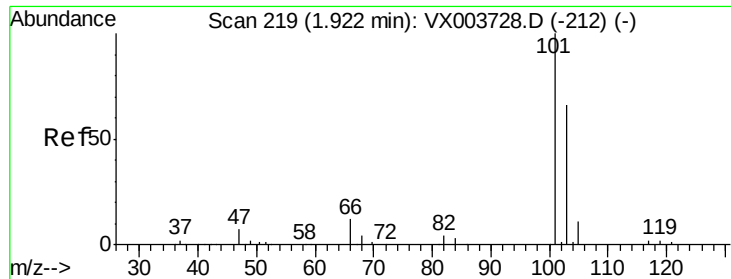
Tgt Ion: 64 Resp: 32903

Ion Ratio Lower Upper

64 100

66 29.1 26.4 39.6





#7

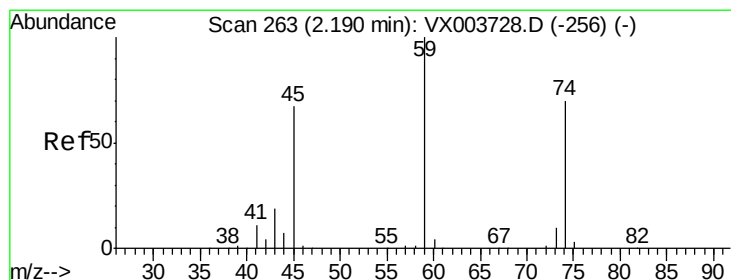
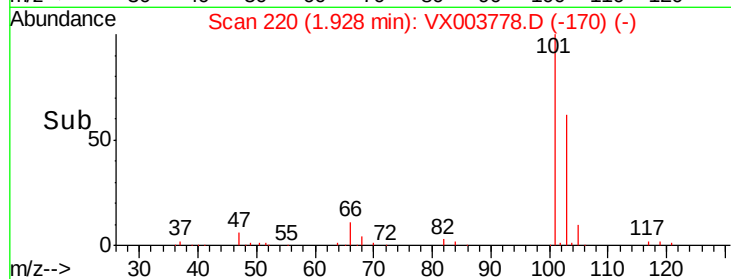
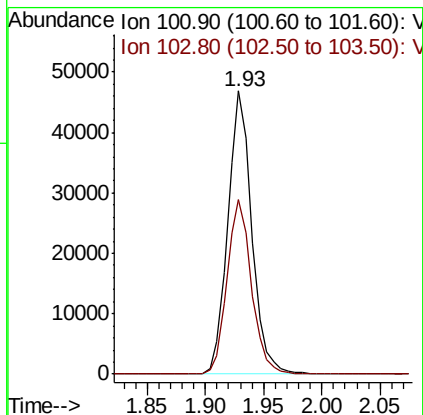
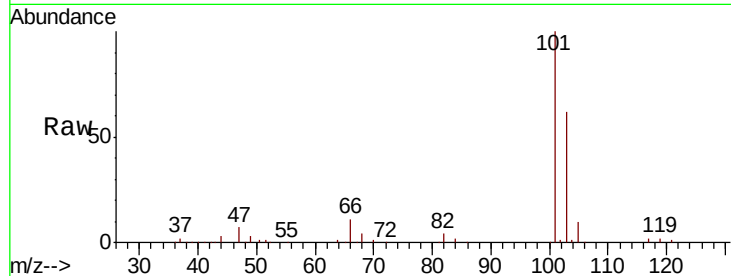
Trichlorofluoromethane
Concen: 59.86 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.01 min
Lab File: VX003778.D
Acq: 01 Aug 2018 04:44

Instrument :
MSVOA_X
ClientSampleId :
SB-1(3-5)MSD

Tot Ion:101 Resp: 66768
Ion Ratio Lower Upper
101 100
103 61.9 52.6 78.8

Manual Integrations
APPROVED

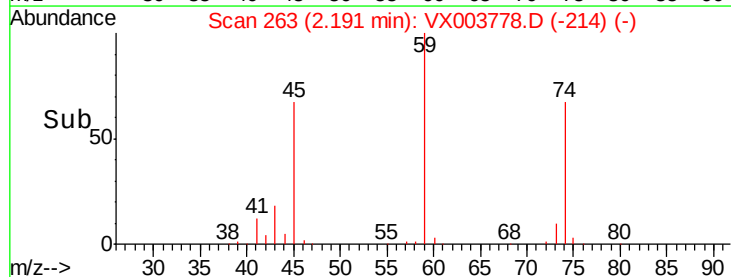
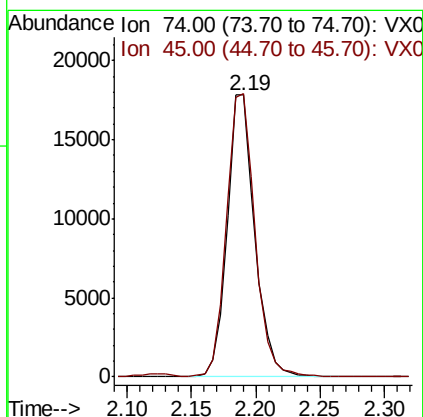
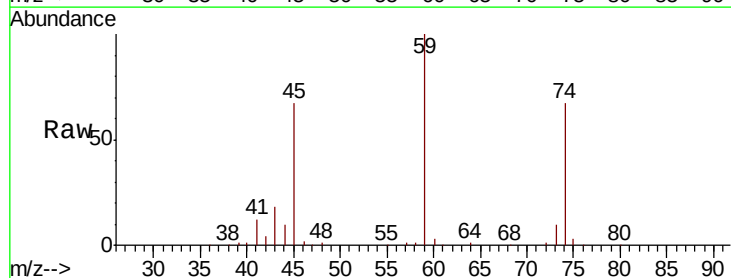
apatel
8/1/2018 6:54:51 PM

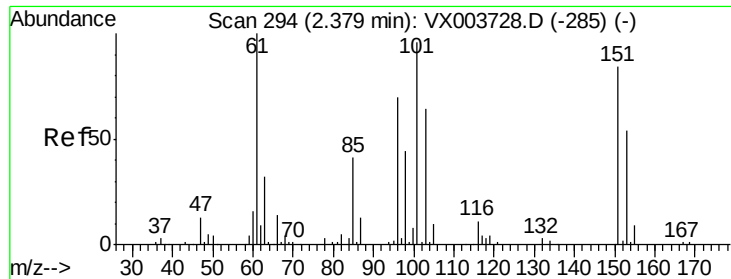


#8

Diethyl Ether
Concen: 63.59 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX003778.D
Acq: 01 Aug 2018 04:44

Tgt Ion: 74 Resp: 26809
Ion Ratio Lower Upper
74 100
45 103.7 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 56.50 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

Instrument :

MSVOA_X

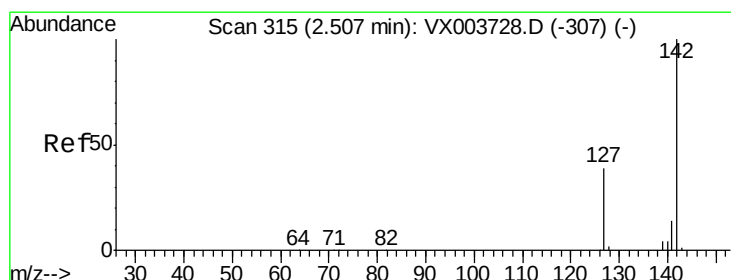
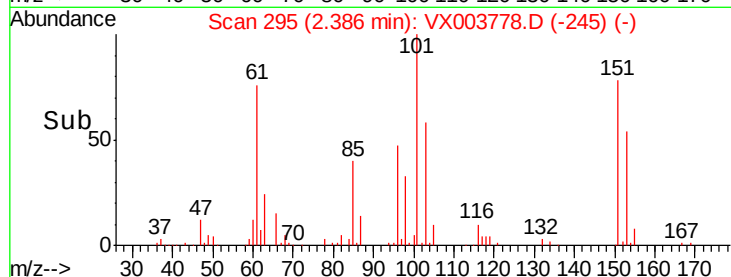
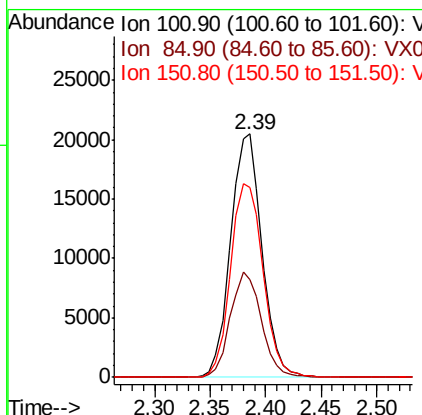
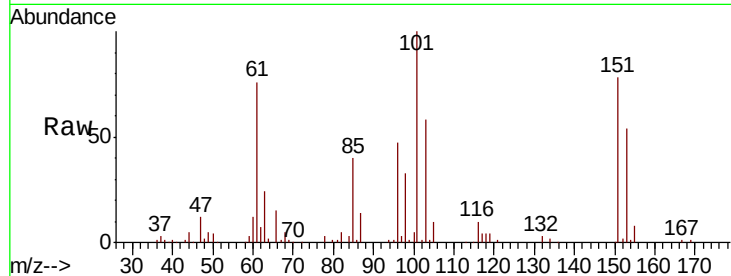
ClientSampleId :

SB-1(3-5)MSD

Tot Ion:	101	Resp:	39979
Ion Ratio	Lower	Upper	
101	100		
85	42.6	33.3	49.9
151	82.7	68.8	103.2

Manual Integrations
APPROVED

apatel
8/1/2018 6:54:51 PM



#10

Methyl Iodide

Concen: 40.59 ug/l

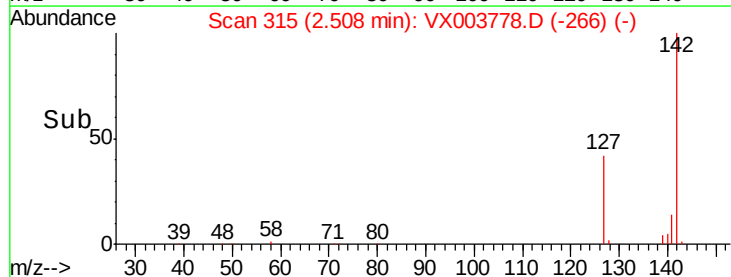
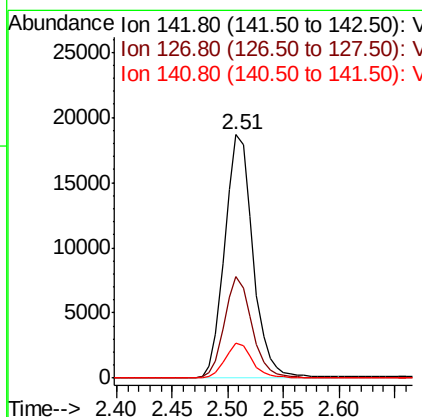
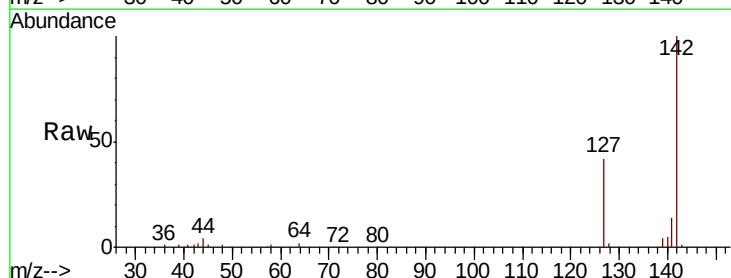
RT: 2.51 min Scan# 315

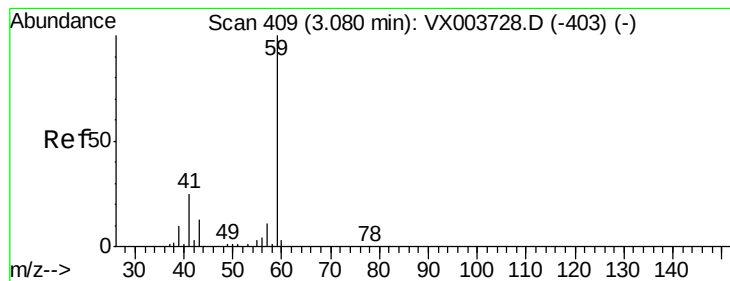
Delta R.T. 0.00 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

Tgt Ion:	142	Resp:	33018
Ion Ratio	Lower	Upper	
142	100		
127	40.7	32.0	48.0
141	13.6	11.3	16.9





#11

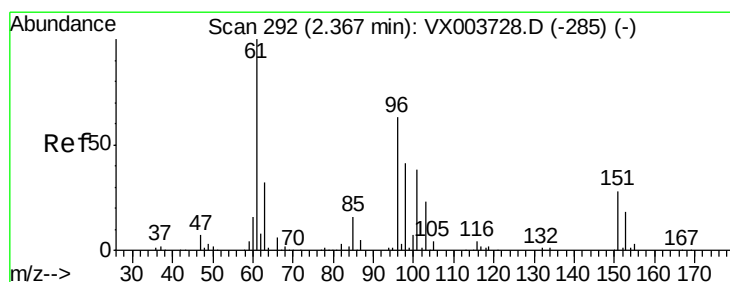
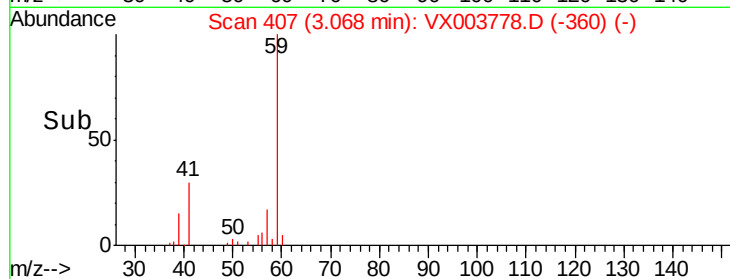
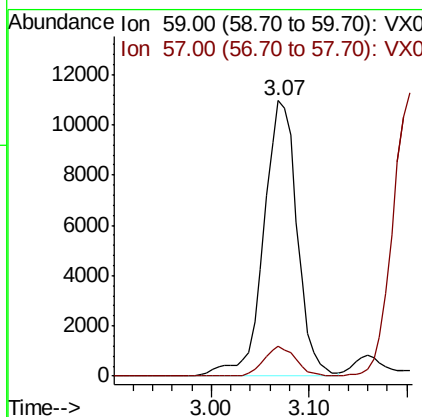
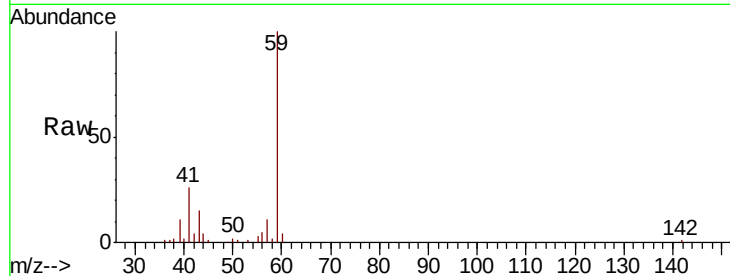
Tert butyl alcohol
Concen: 214.02 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX003778.D
Acq: 01 Aug 2018 04:44

Instrument :
MSVOA_X
ClientSampleId :
SB-1(3-5)MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.1	12.1

Manual Integrations
APPROVED

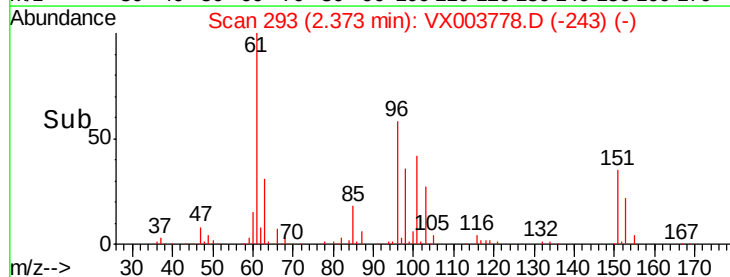
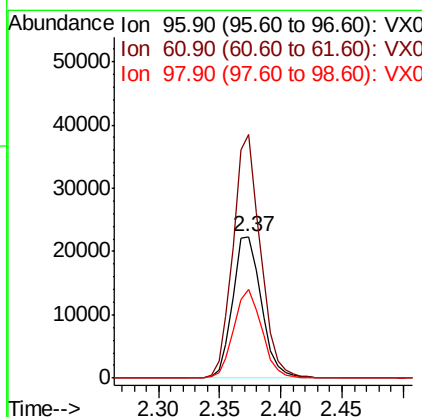
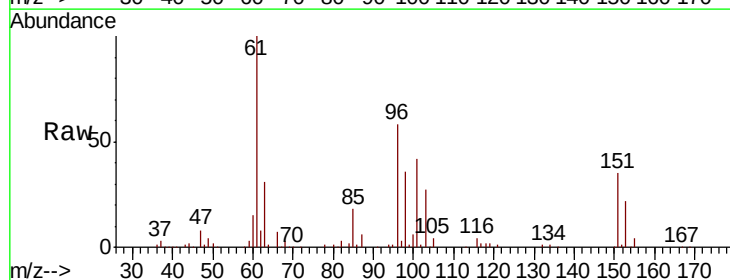
apatel
8/1/2018 6:54:51 PM

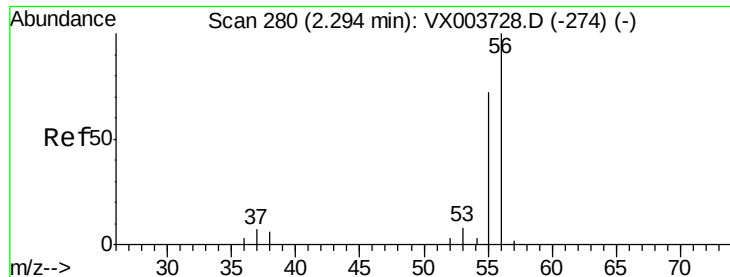


#12

1,1-Dichloroethene
Concen: 54.44 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.01 min
Lab File: VX003778.D
Acq: 01 Aug 2018 04:44

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.7	127.1	190.7
98	62.5	52.0	78.0





#13

Acrolein

Concen: 1.93 ug/l

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

Instrument :

MSVOA_X

ClientSampled :

SB-1(3-5)MSD

Tot Ion: 56 Resp: 77

Ion Ratio Lower Upper

56 100

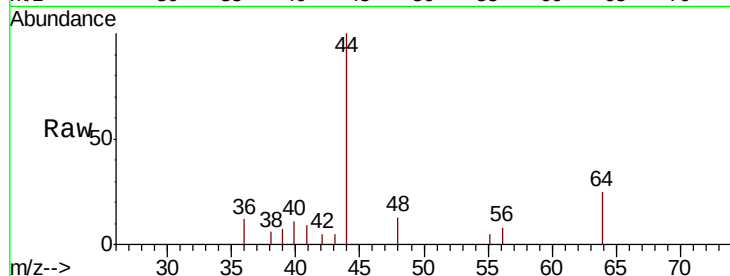
55 0.0 61.4 92.0#

Manual Integrations

APPROVED

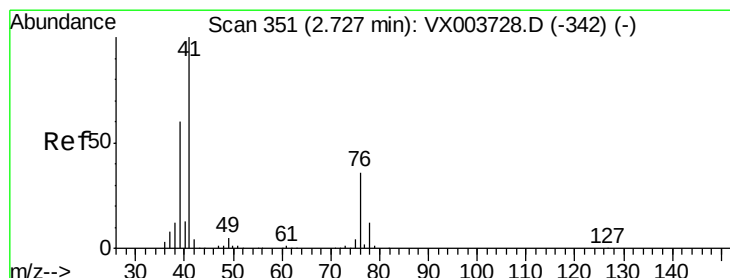
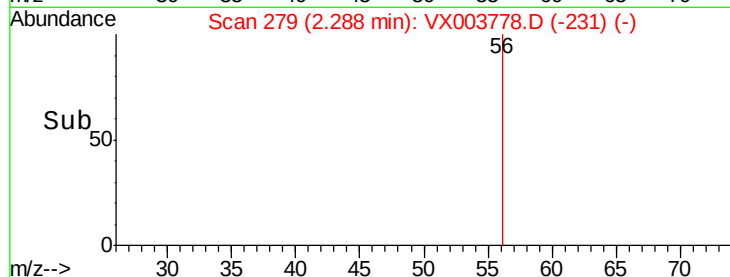
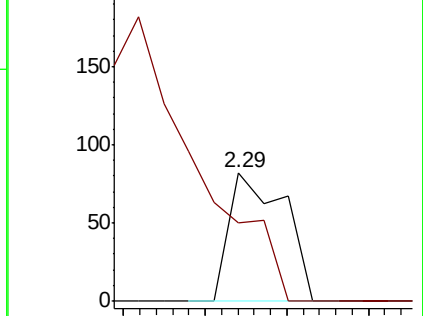
apatel

8/1/2018 6:54:51 PM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 46.38 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

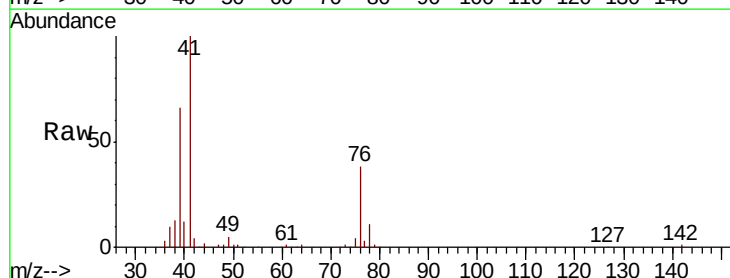
Tgt Ion: 41 Resp: 54777

Ion Ratio Lower Upper

41 100

39 60.2 47.7 71.5

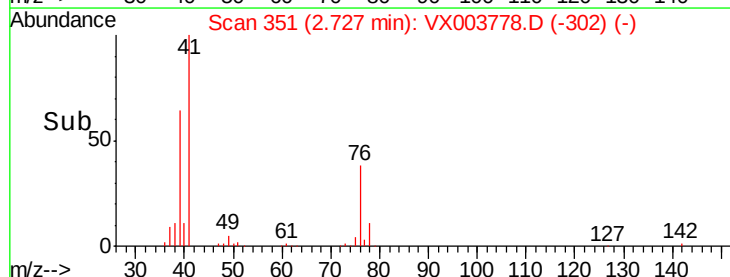
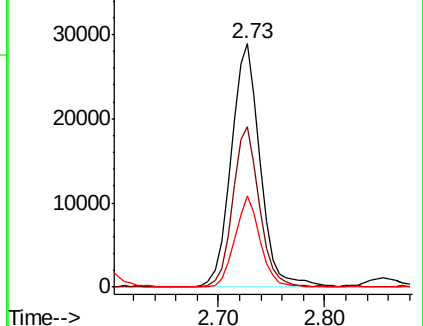
76 33.0 27.0 40.6

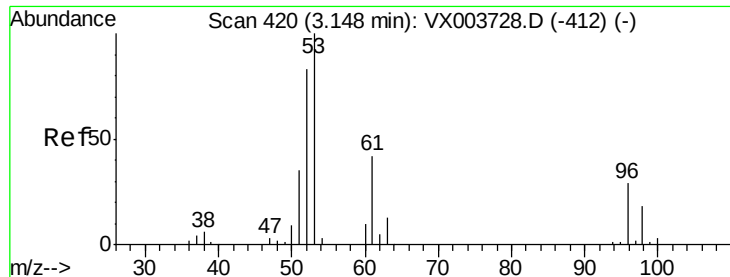


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 228.81 ug/l

RT: 3.15 min Scan# 420

Delta R.T. 0.00 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

Instrument :

MSVOA_X

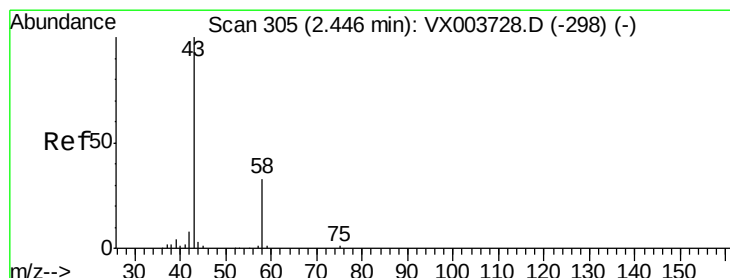
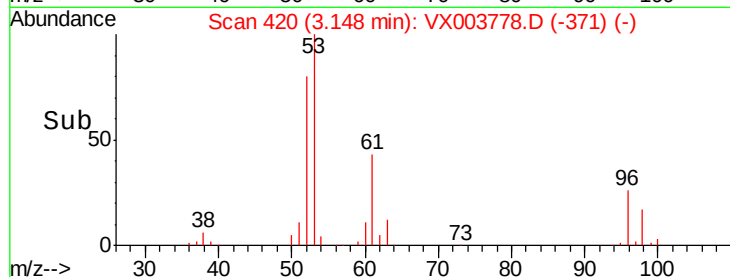
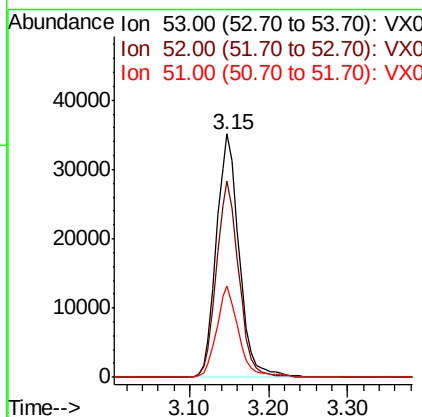
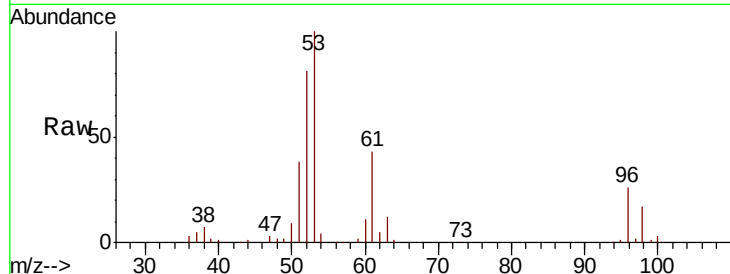
ClientSampleId :

SB-1(3-5)MSD

Tot Ion:	53	Resp:	71028
Ion	Ratio	Lower	Upper
53	100		
52	78.9	66.2	99.2
51	36.2	28.5	42.7

Manual Integrations
APPROVED

apatel
8/1/2018 6:54:51 PM



#16

Acetone

Concen: 354.46 ug/l

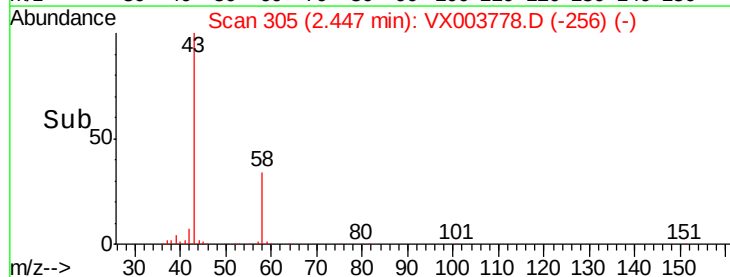
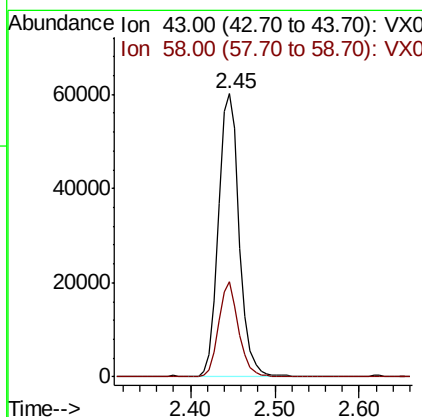
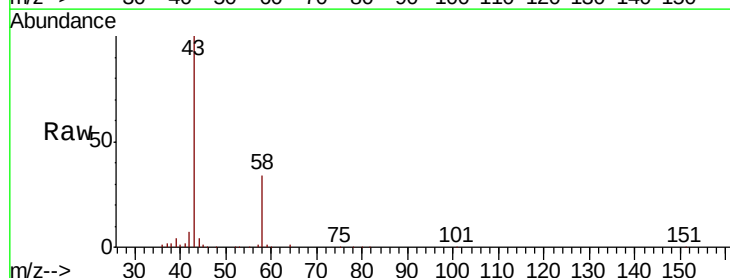
RT: 2.45 min Scan# 305

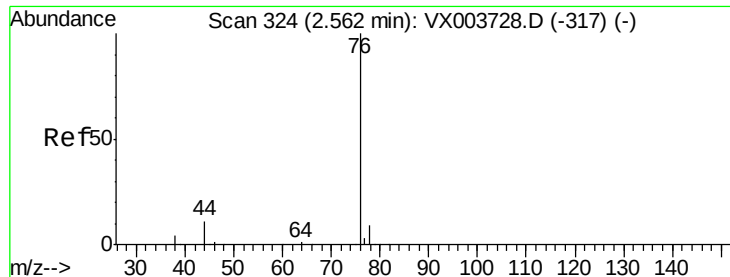
Delta R.T. 0.00 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

Tgt Ion:	43	Resp:	102063
Ion	Ratio	Lower	Upper
43	100		
58	33.8	26.7	40.1





#17

Carbon Disulfide

Concen: 42.45 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.01 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

Instrument :

MSVOA_X

ClientSampleId :

SB-1(3-5)MSD

Tot Ion: 76 Resp: 92019

Ion Ratio Lower Upper

76 100

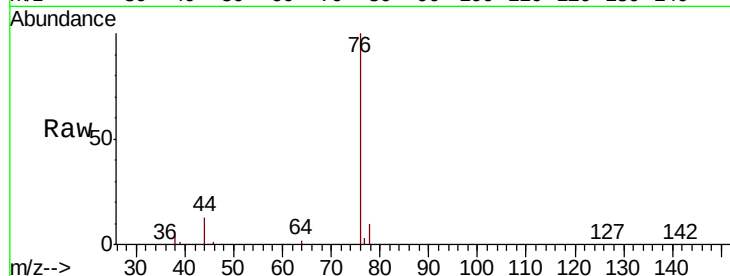
78 9.7 7.3 10.9

Manual Integrations

APPROVED

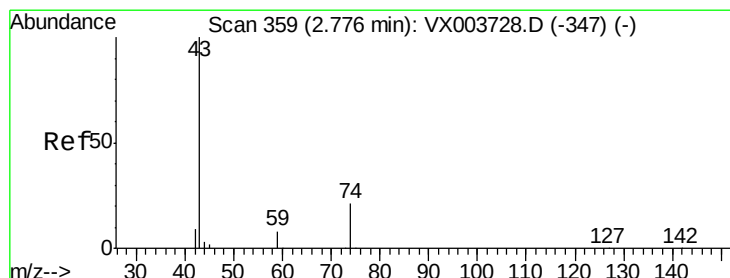
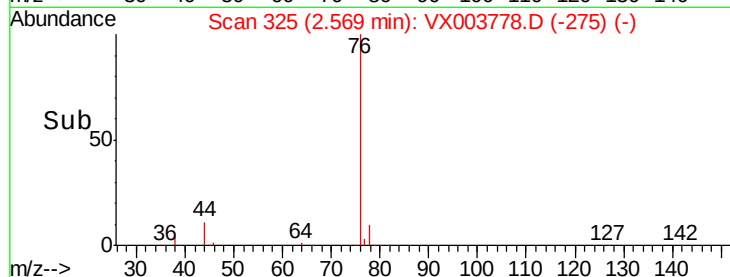
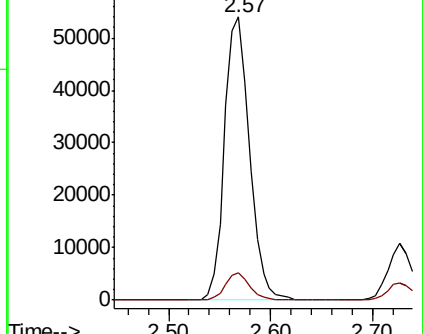
apatel

8/1/2018 6:54:51 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 106.09 ug/l

RT: 2.78 min Scan# 359

Delta R.T. 0.00 min

Lab File: VX003778.D

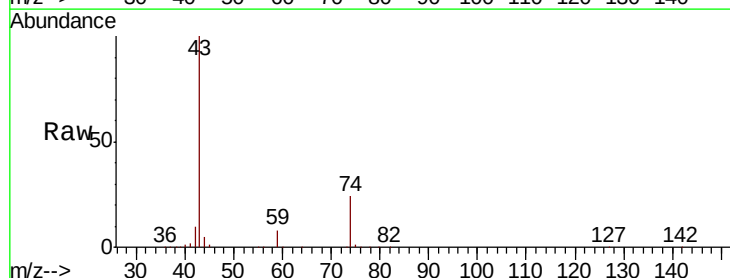
Acq: 01 Aug 2018 04:44

Tgt Ion: 43 Resp: 85848

Ion Ratio Lower Upper

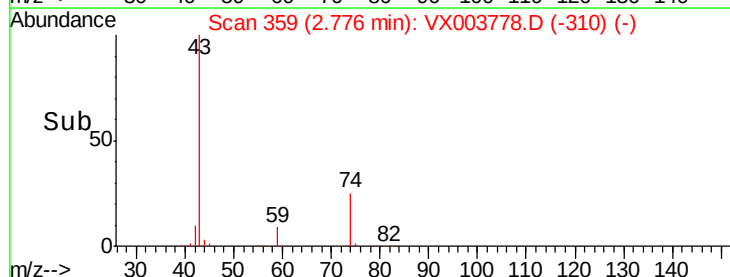
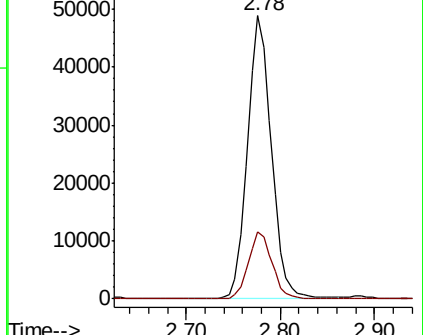
43 100

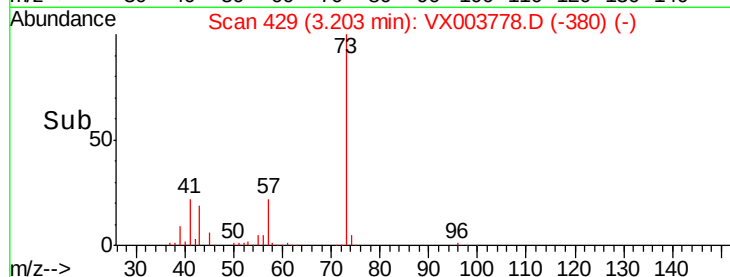
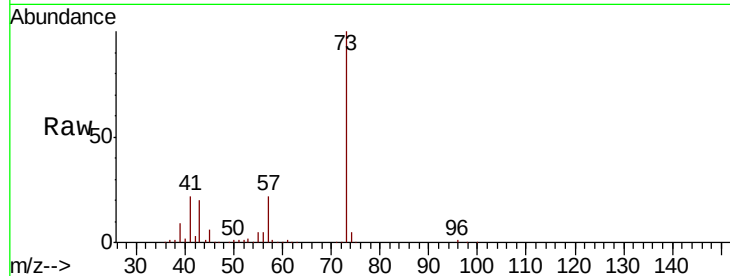
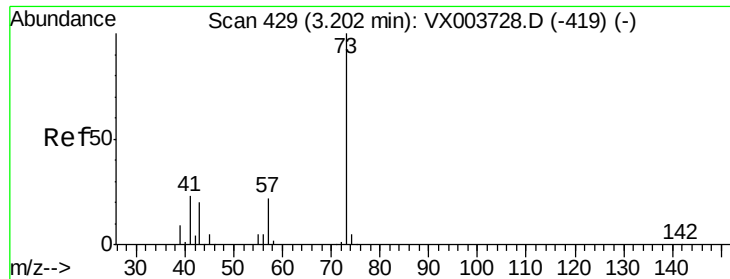
74 23.5 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





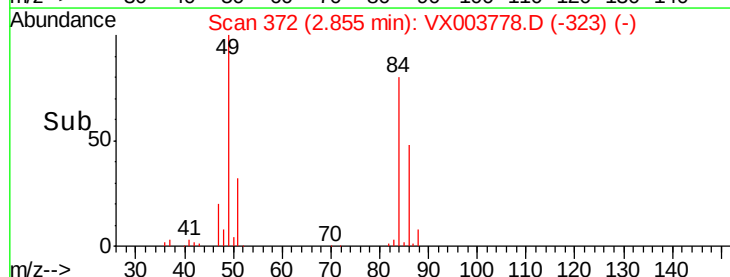
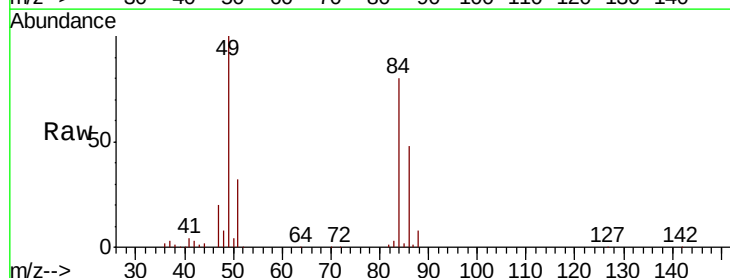
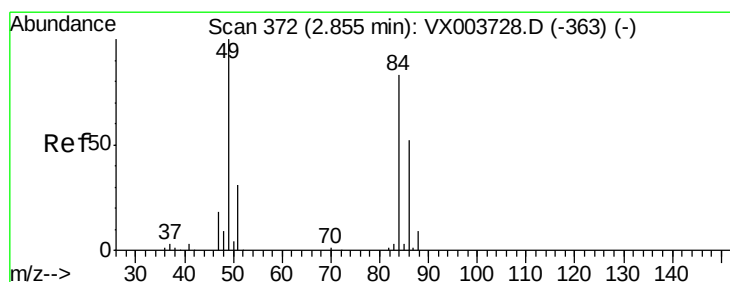
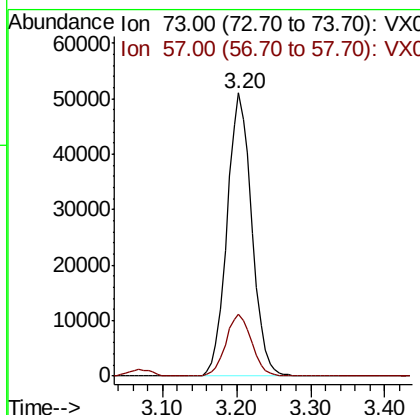
#19
Methyl tert-butyl Ether
Concen: 65.16 ug/l
RT: 3.20 min Scan# 429
Delta R.T. 0.00 min
Lab File: VX003778.D
Acq: 01 Aug 2018 04:44

Tot Ion	73	Resp	118170
Ion Ratio	100	Lower	Upper
73	100		
57	22.1	18.0	27.0

Instrument :
MSVOA_X
ClientSampleId :
SB-1(3-5)MSD

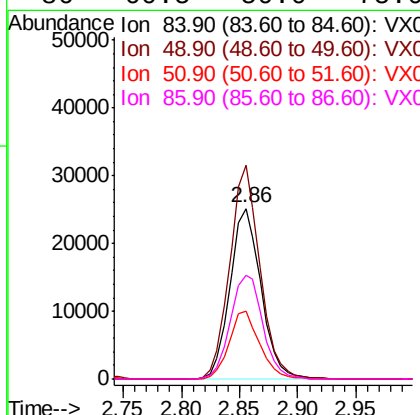
Manual Integrations
APPROVED

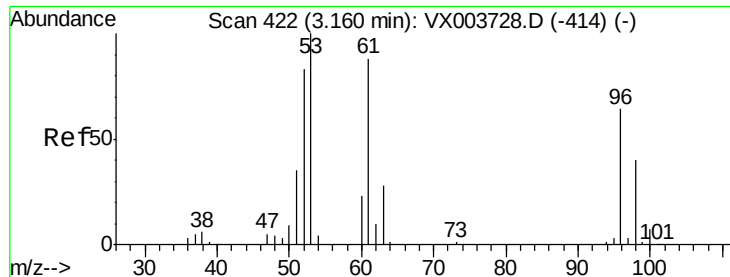
apatel
8/1/2018 6:54:51 PM



#20
Methylene Chloride
Concen: 62.47 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003778.D
Acq: 01 Aug 2018 04:44

Tgt Ion	84	Resp	46771
Ion Ratio	100	Lower	Upper
84	100		
49	125.1	95.8	143.8
51	39.9	29.6	44.4
86	60.5	50.0	75.0





#21

trans-1,2-Dichloroethene

Concen: 48.27 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.00 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

Instrument :

MSVOA_X

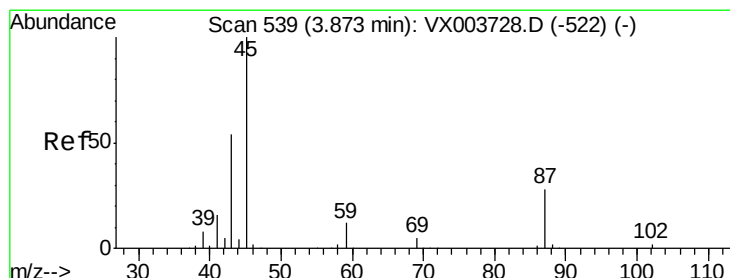
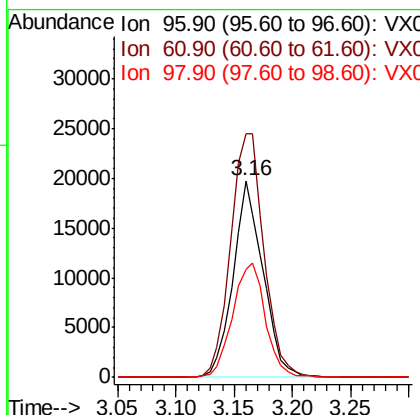
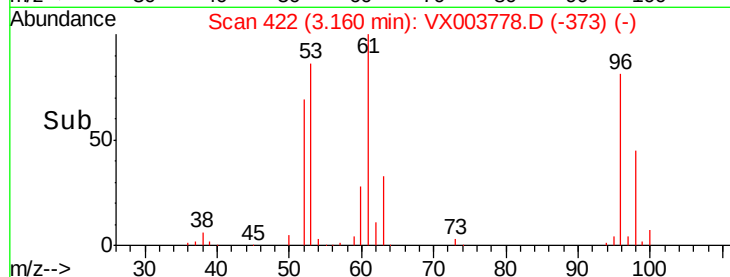
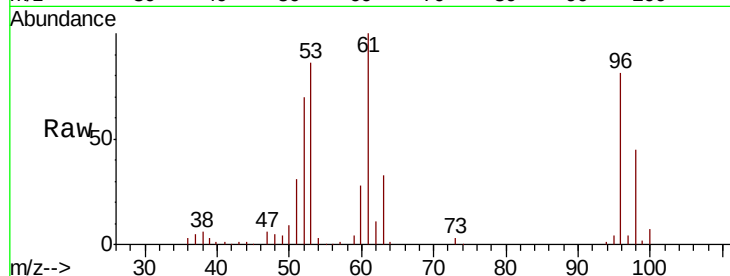
ClientSampled :

SB-1(3-5)MSD

Tot Ion:	96	Resp:	35239
Ion	Ratio	Lower	Upper
96	100		
61	123.7	110.9	166.3
98	55.1	50.2	75.4

Manual Integrations
APPROVED

apatel
8/1/2018 6:54:51 PM



#22

Diisopropyl ether

Concen: 64.23 ug/l

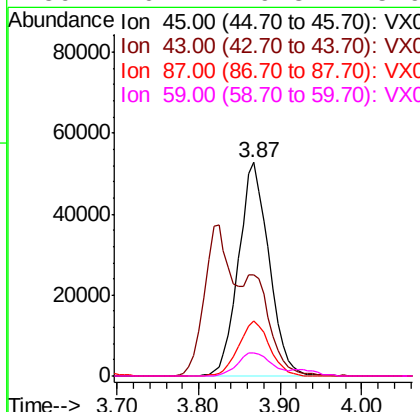
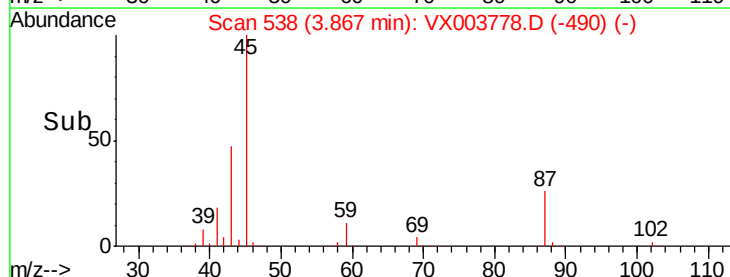
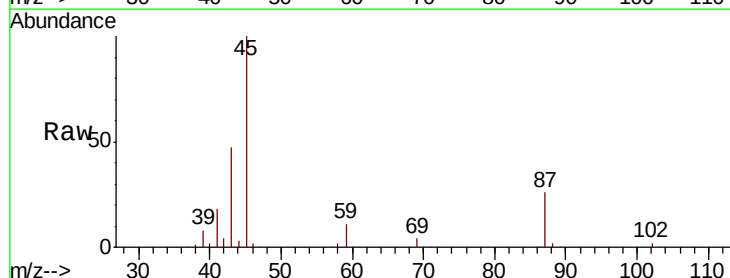
RT: 3.87 min Scan# 538

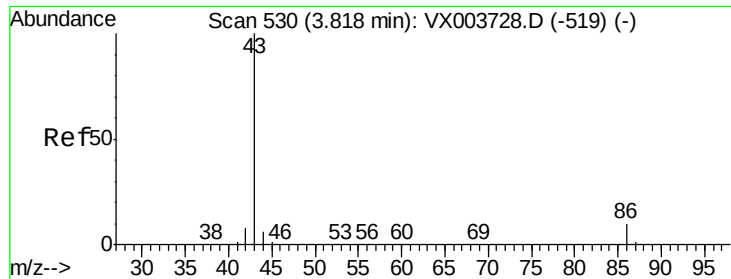
Delta R.T. -0.01 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

Tgt Ion:	45	Resp:	136924
Ion	Ratio	Lower	Upper
45	100		
43	46.9	43.5	65.3
87	25.7	22.6	33.8
59	10.7	9.3	13.9





#23

Vinyl Acetate

Concen: 58.06 ug/l

RT: 3.82 min Scan# 531

Delta R.T. 0.01 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

Instrument :

MSVOA_X

ClientSampleId :

SB-1(3-5)MSD

Tot Ion: 43 Resp: 89273

Ion Ratio Lower Upper

43 100

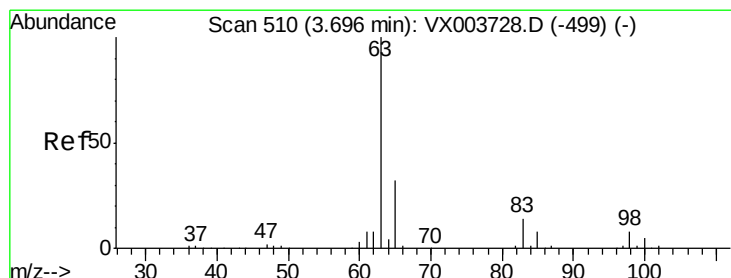
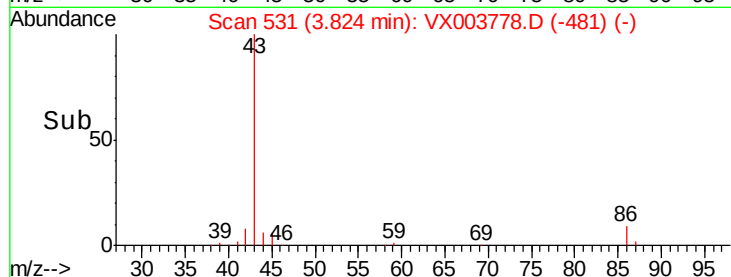
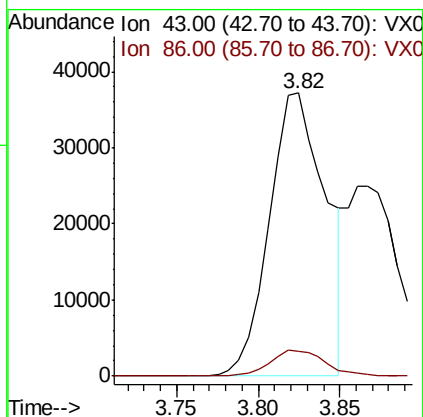
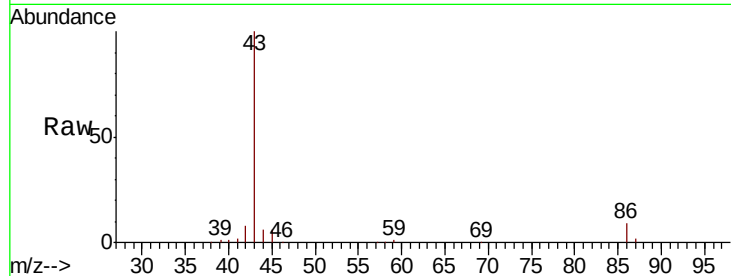
86 8.9 8.2 12.2

Manual Integrations

APPROVED

apatel

8/1/2018 6:54:51 PM



#24

1,1-Dichloroethane

Concen: 61.26 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

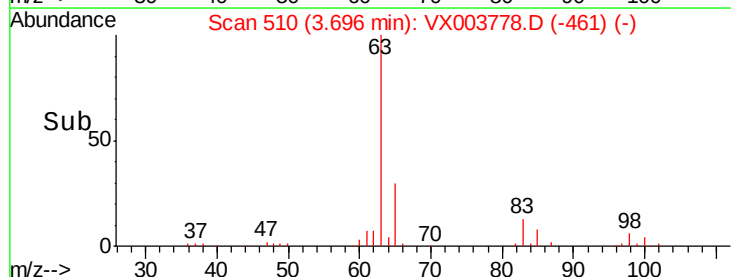
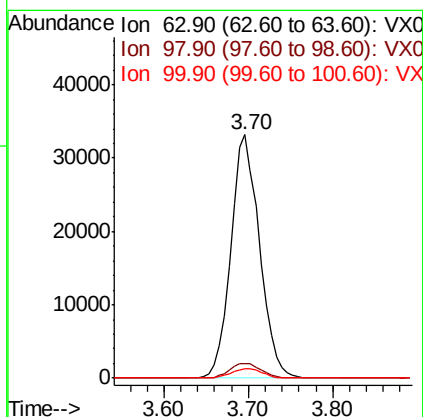
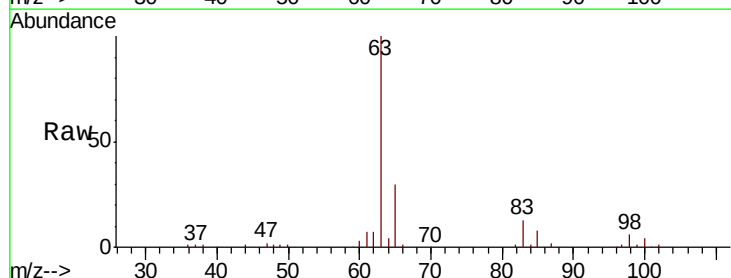
Tgt Ion: 63 Resp: 76166

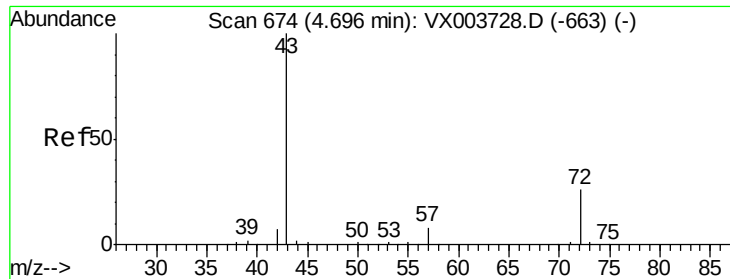
Ion Ratio Lower Upper

63 100

98 6.0 4.0 12.0

100 3.7 2.4 7.2





#25

2-Butanone

Concen: 234.88 ug/l

RT: 4.70 min Scan# 674

Delta R.T. 0.00 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

Instrument :

MSVOA_X

ClientSampleId :

SB-1(3-5)MSD

Tot Ion: 43 Resp: 98593

Ion Ratio Lower Upper

43 100

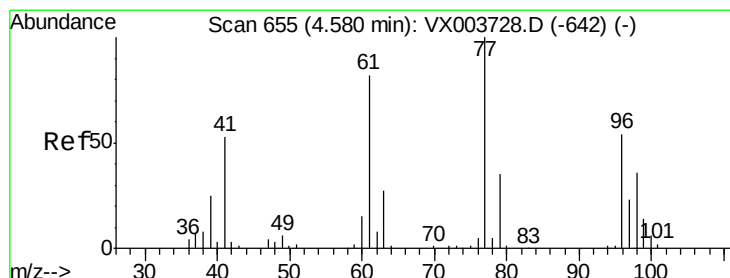
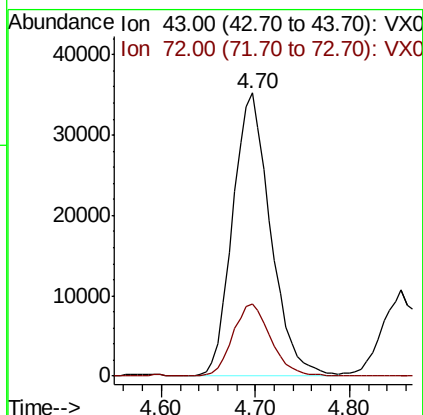
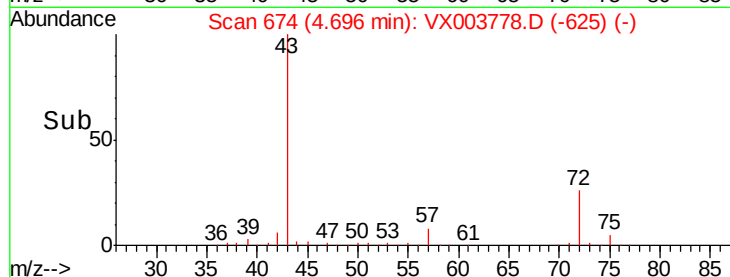
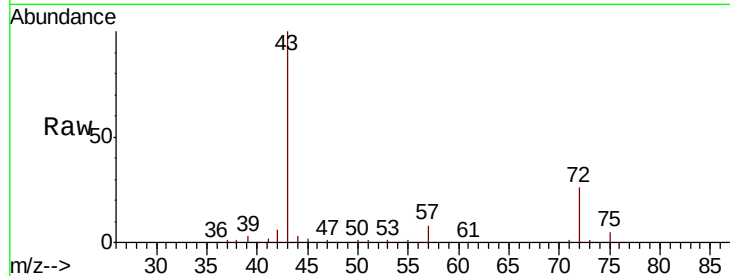
72 25.7 20.9 31.3

Manual Integrations

APPROVED

apatel

8/1/2018 6:54:51 PM



#26

2,2-Dichloropropane

Concen: 42.38 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.01 min

Lab File: VX003778.D

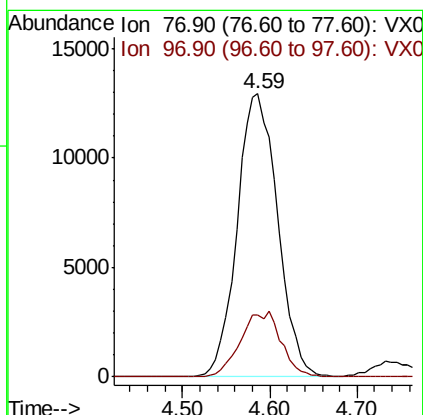
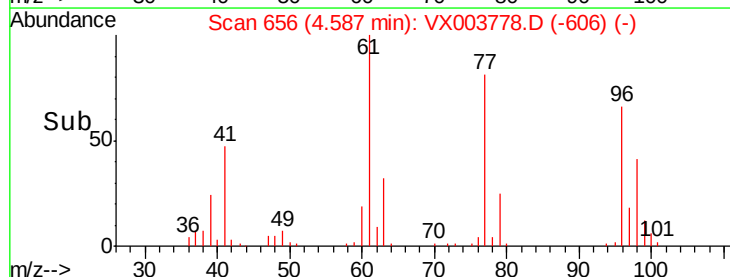
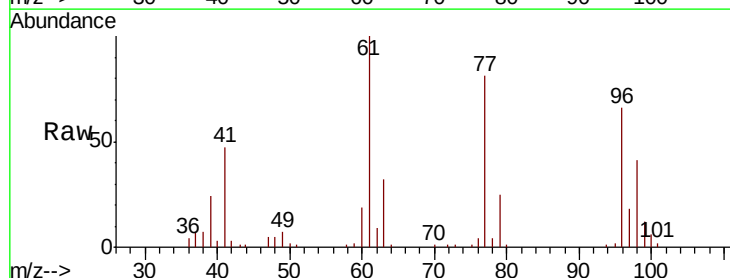
Acq: 01 Aug 2018 04:44

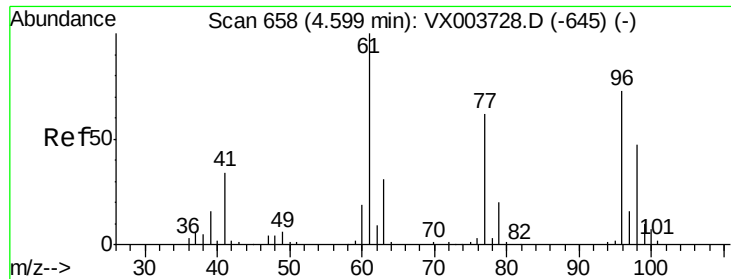
Tgt Ion: 77 Resp: 41498

Ion Ratio Lower Upper

77 100

97 23.1 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 50.74 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

Instrument :

MSVOA_X

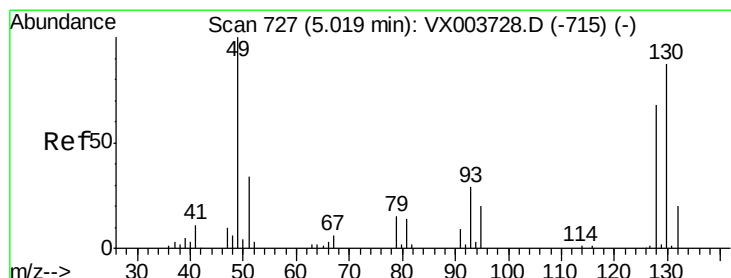
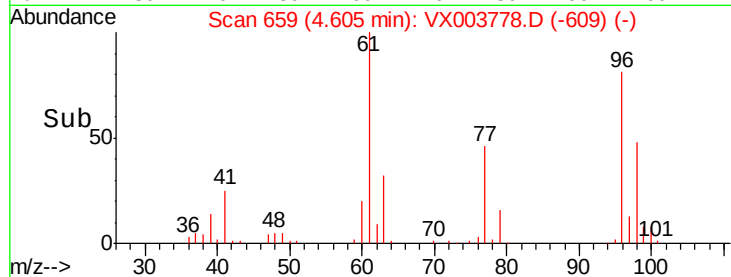
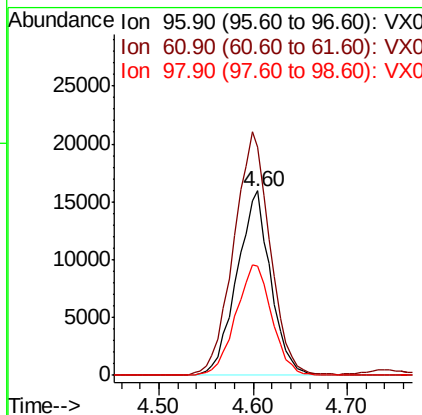
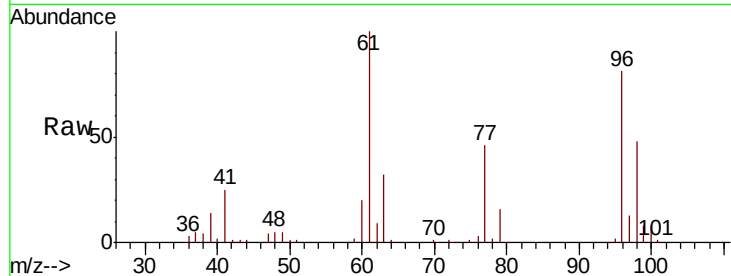
ClientSampleId :

SB-1(3-5)MSD

Tot Ion:	96	Resp:	39919
Ion	Ratio	Lower	Upper
96	100		
61	141.7	0.0	285.6
98	63.9	0.0	131.0

Manual Integrations
APPROVED

apatel
8/1/2018 6:54:51 PM



#28

Bromochloromethane

Concen: 52.58 ug/l

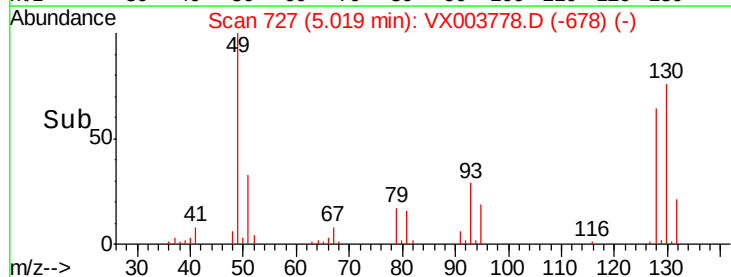
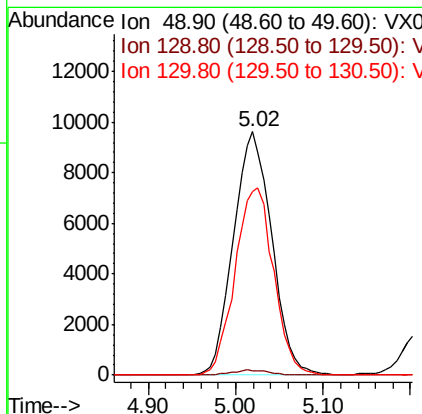
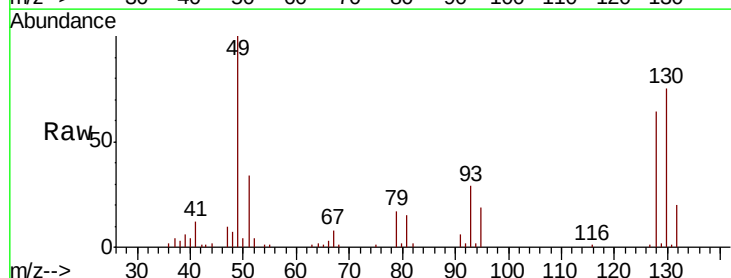
RT: 5.02 min Scan# 727

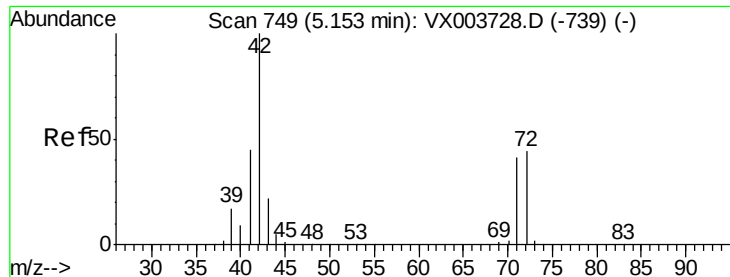
Delta R.T. 0.00 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

Tgt Ion:	49	Resp:	29322
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	77.2	68.9	103.3





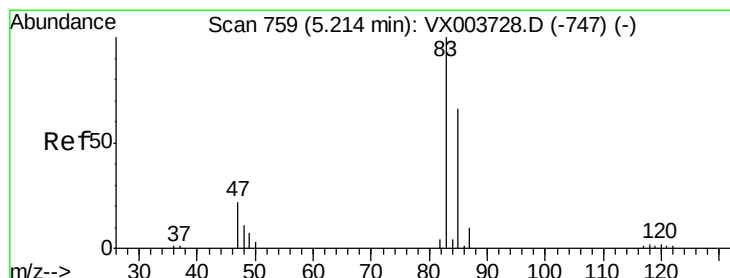
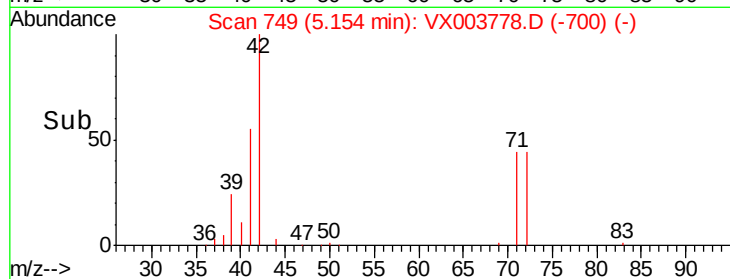
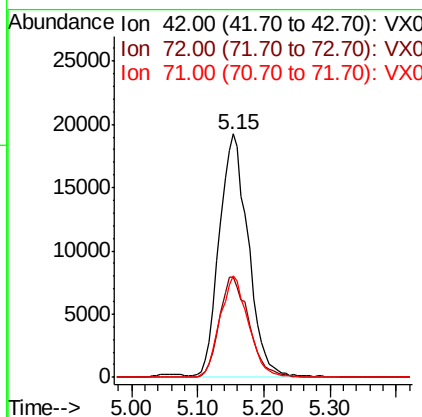
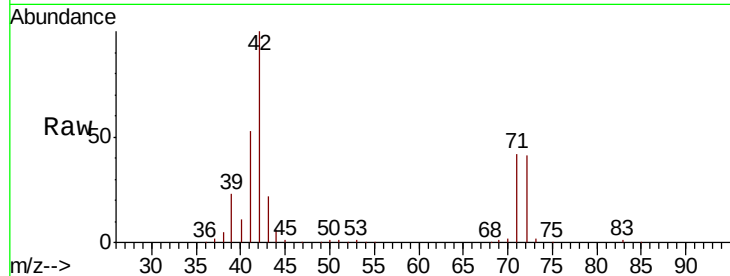
#29
Tetrahydrofuran
Concen: 217.18 ug/l
RT: 5.15 min Scan# 749
Delta R.T. 0.00 min
Lab File: VX003778.D
Acq: 01 Aug 2018 04:44

Instrument :
MSVOA_X
ClientSampleId :
SB-1(3-5)MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.6	35.6	53.4
71	41.3	33.4	50.0

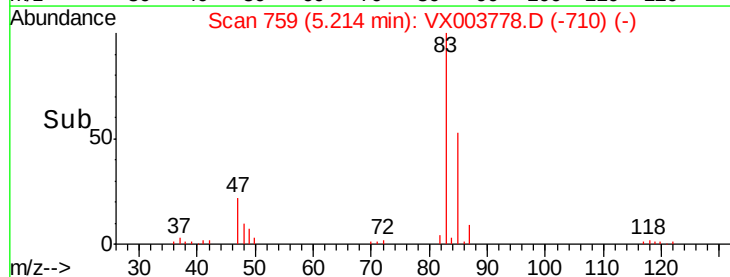
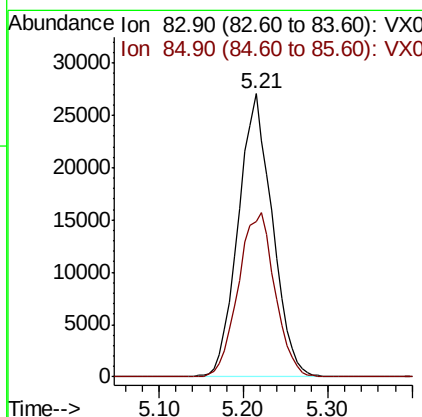
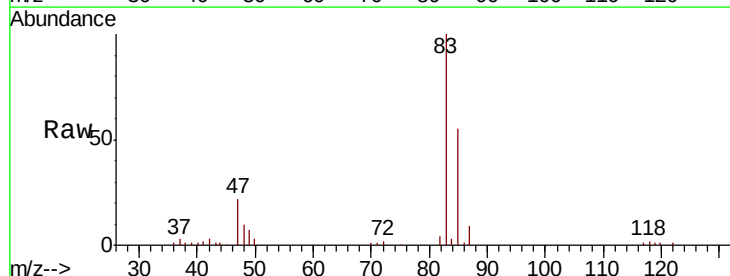
Manual Integrations
APPROVED

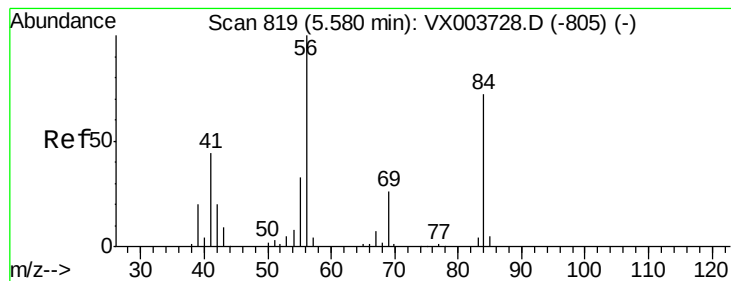
apatel
8/1/2018 6:54:51 PM



#30
Chloroform
Concen: 60.45 ug/l
RT: 5.21 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX003778.D
Acq: 01 Aug 2018 04:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	54.8	52.8	79.2





#31

Cyclohexane

Concen: 50.97 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

Instrument :

MSVOA_X

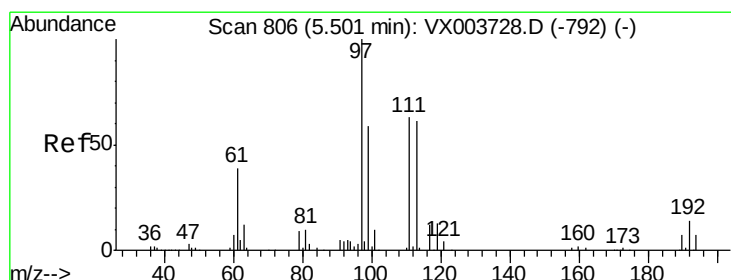
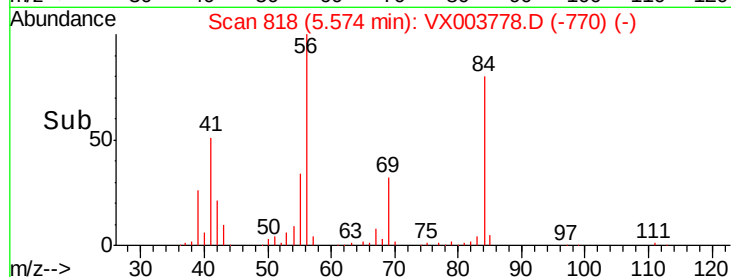
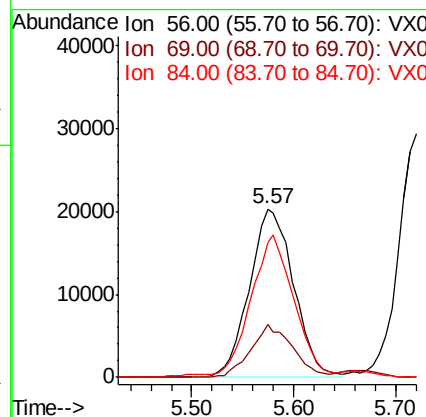
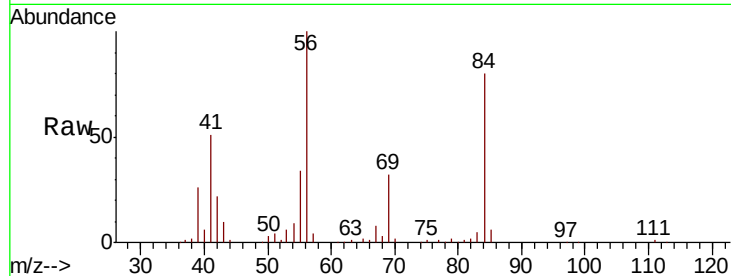
ClientSampleId :

SB-1(3-5)MSD

Tot Ion:	56	Resp:	61208
Ion	Ratio	Lower	Upper
56	100		
69	31.7	20.6	30.8#
84	78.2	57.9	86.9

Manual Integrations
APPROVED

apatel
8/1/2018 6:54:51 PM



#32

1,1,1-Trichloroethane

Concen: 57.86 ug/l

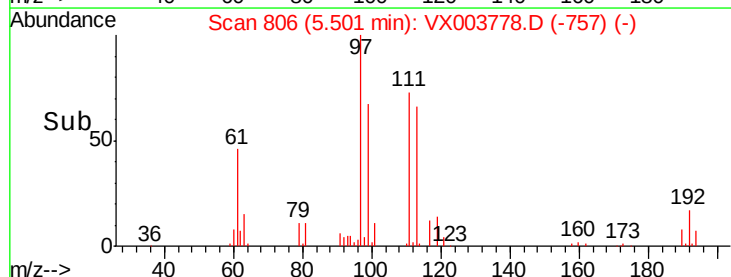
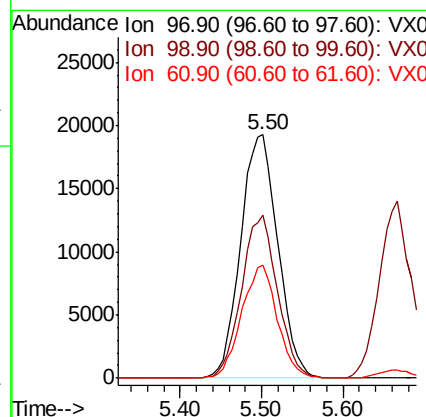
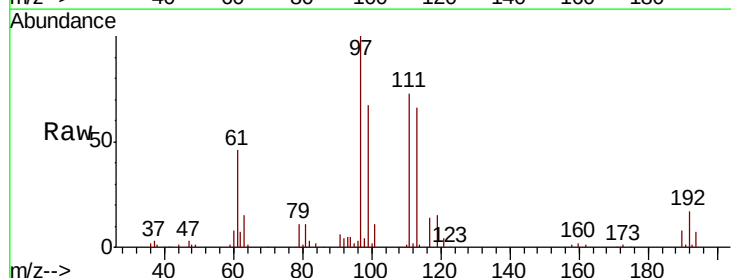
RT: 5.50 min Scan# 806

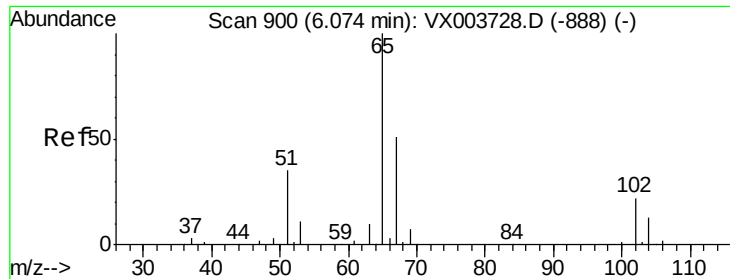
Delta R.T. 0.00 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

Tgt Ion:	97	Resp:	60919
Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.4	77.2
61	44.6	33.4	50.2





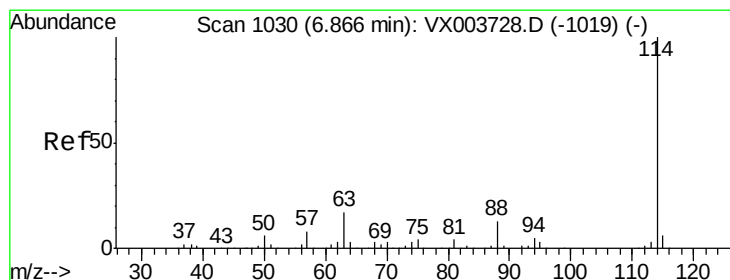
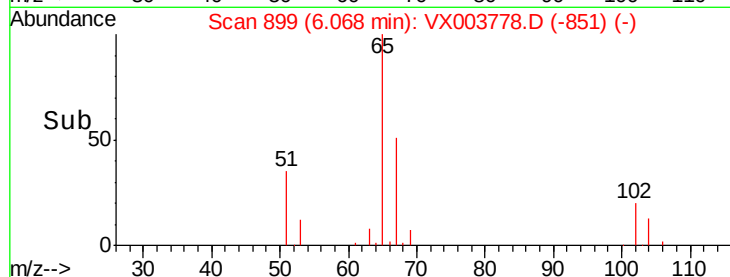
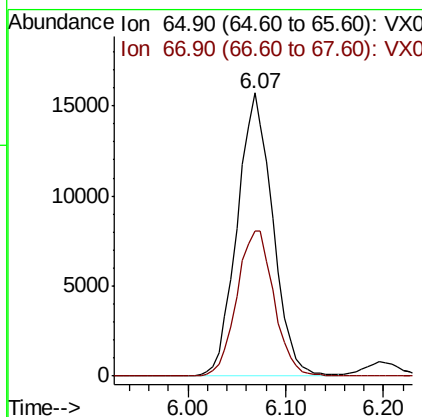
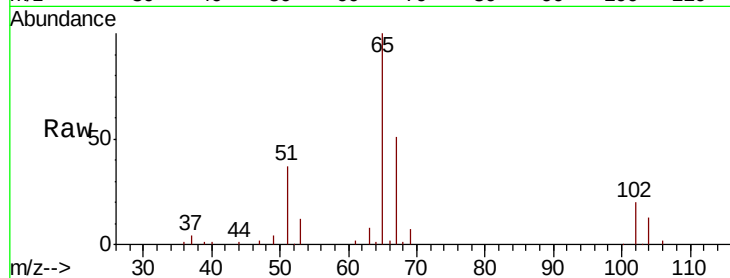
#33
 1,2-Dichloroethane-d4
 Concen: 52.51 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VX003778.D
 Acq: 01 Aug 2018 04:44

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-1(3-5)MSD

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	107.0

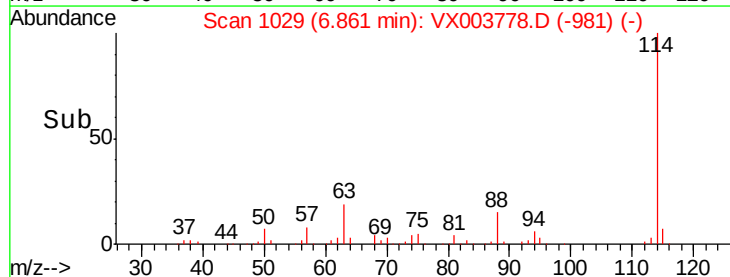
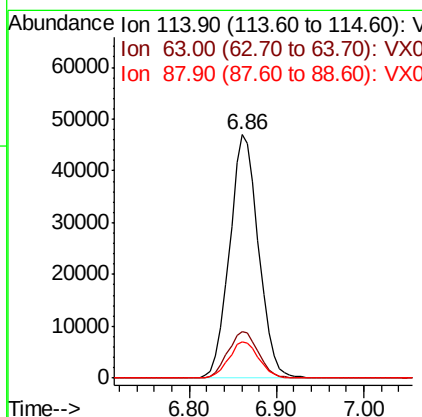
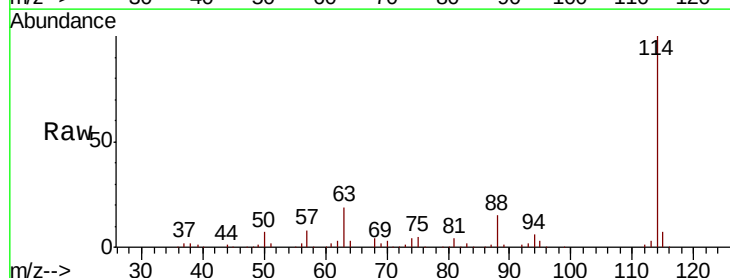
Manual Integrations
 APPROVED

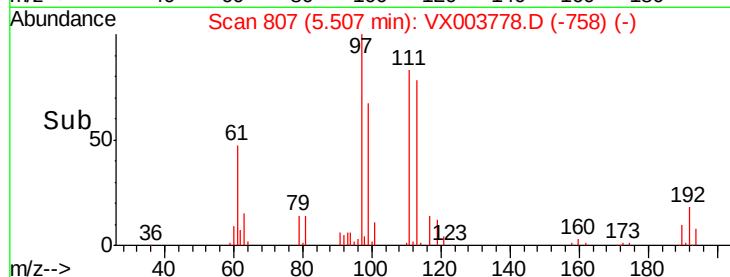
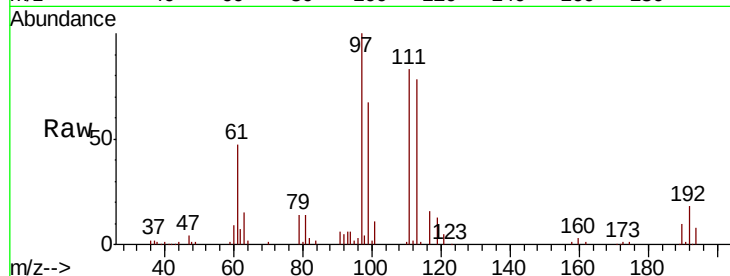
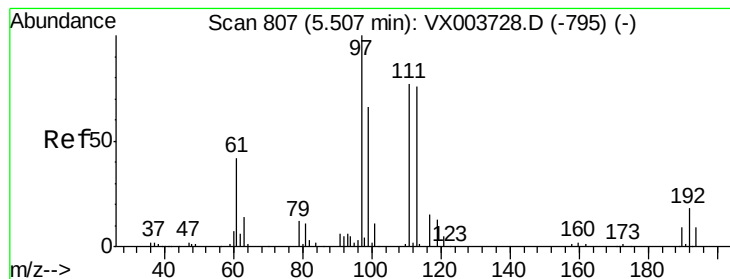
apatel
 8/1/2018 6:54:51 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX003778.D
 Acq: 01 Aug 2018 04:44

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	34.0
88	14.9	0.0	26.4





#35

Dibromofluoromethane

Concen: 57.88 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003778.D

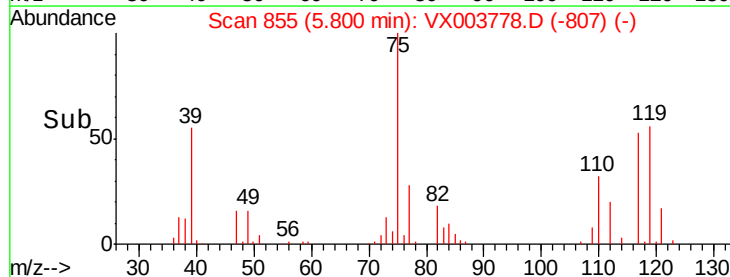
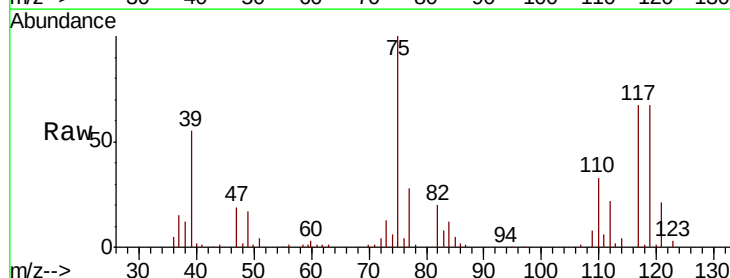
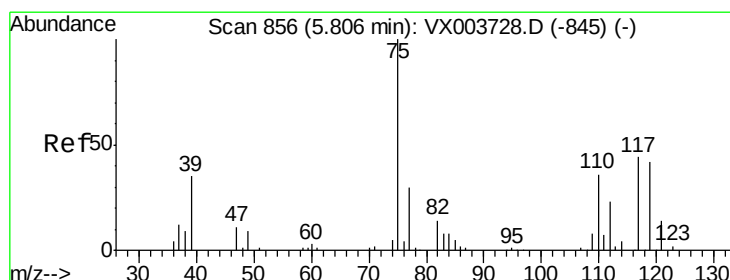
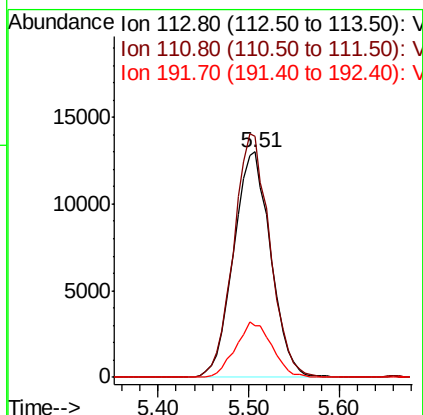
Acq: 01 Aug 2018 04:44

Tot Ion:	113	Resp:	36865
Ion	Ratio	Lower	Upper
113	100		
111	105.5	81.8	122.6
192	23.8	18.8	28.2

Instrument :
MSVOA_X
ClientSampleId :
SB-1(3-5)MSD

Manual Integrations
APPROVED

apatel
8/1/2018 6:54:51 PM



#36

1,1-Dichloropropene

Concen: 48.64 ug/l

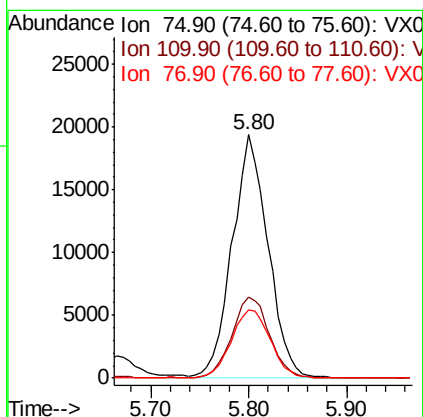
RT: 5.80 min Scan# 855

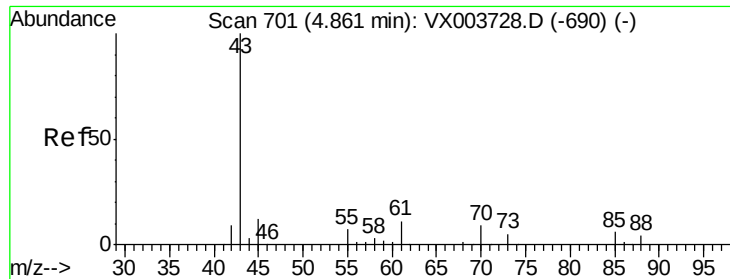
Delta R.T. -0.01 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

Tgt Ion:	75	Resp:	49273
Ion	Ratio	Lower	Upper
75	100		
110	34.7	18.3	54.8
77	30.7	25.1	37.7





#37

Ethyl Acetate

Concen: 37.77 ug/l

RT: 4.85 min Scan# 700

Delta R.T. -0.01 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

Instrument :

MSVOA_X

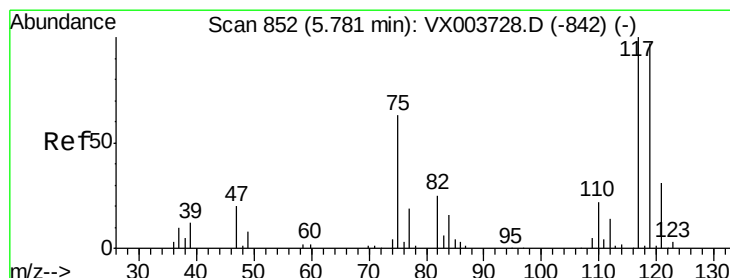
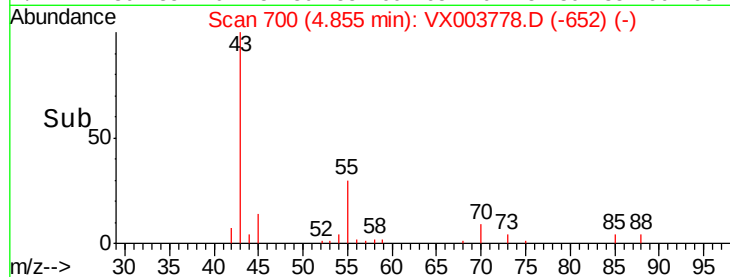
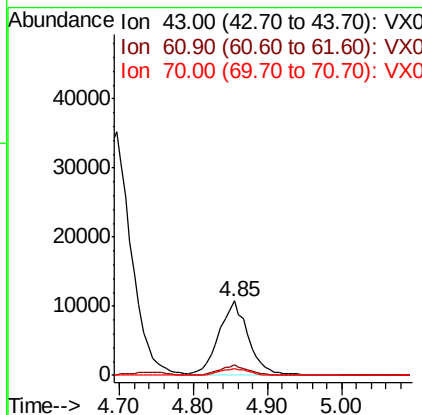
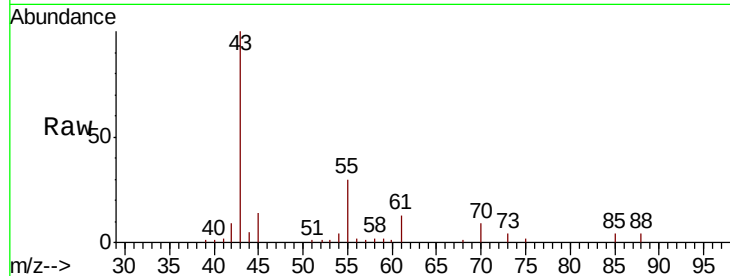
ClientSampleId :

SB-1(3-5)MSD

Tot Ion:	43	Resp:	29391
Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.4	17.0
70	9.8	8.2	12.2

Manual Integrations
APPROVED

apatel
8/1/2018 6:54:51 PM



#38

Carbon Tetrachloride

Concen: 51.24 ug/l

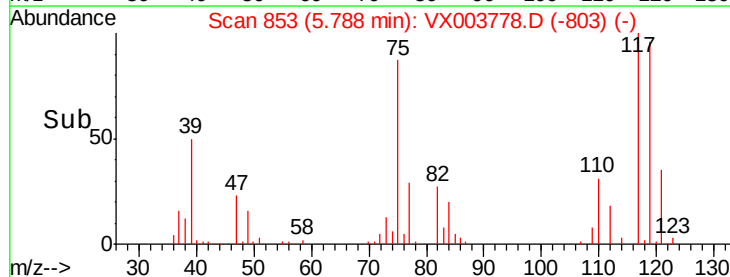
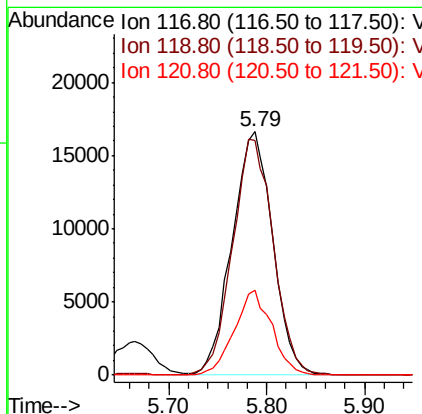
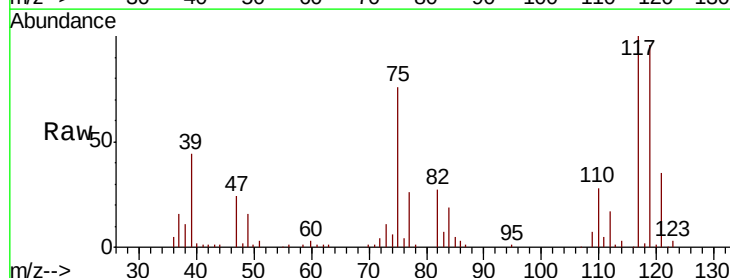
RT: 5.79 min Scan# 853

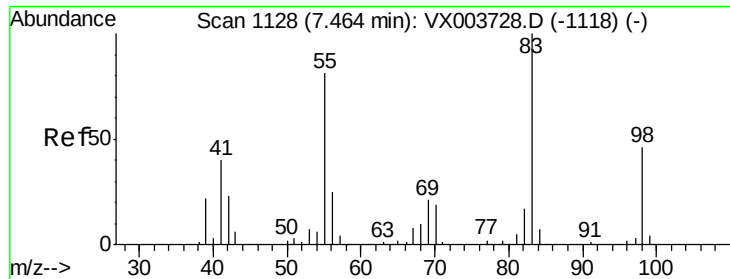
Delta R.T. 0.01 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

Tgt Ion:	117	Resp:	48016
Ion	Ratio	Lower	Upper
117	100		
119	96.4	77.2	115.8
121	34.7	25.0	37.4





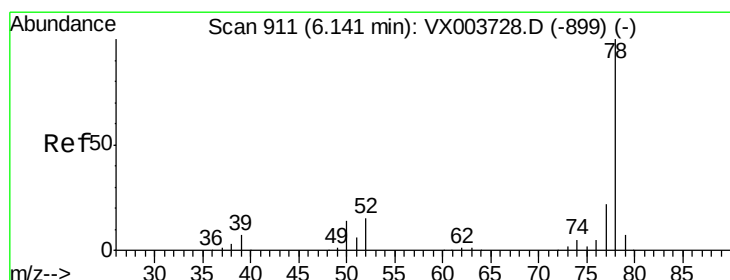
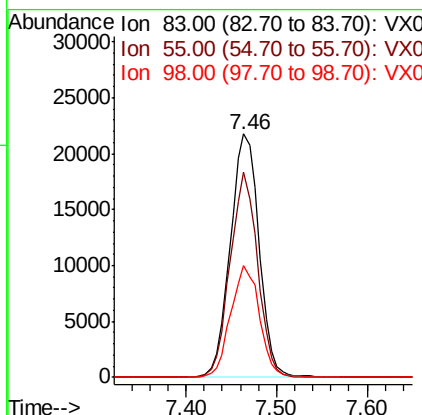
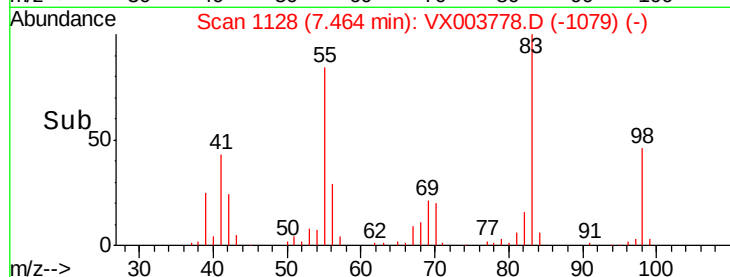
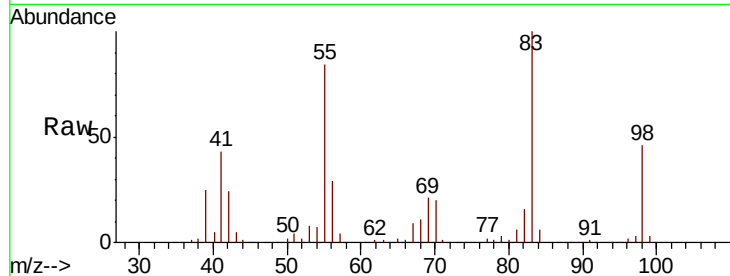
#39
Methylvlcyclohexane
Concen: 38.56 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003778.D
Acq: 01 Aug 2018 04:44

Instrument :
MSVOA_X
ClientSampled :
SB-1(3-5)MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.5	65.0	97.6
98	45.7	37.1	55.7

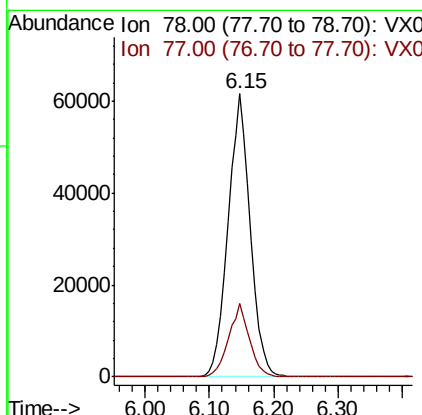
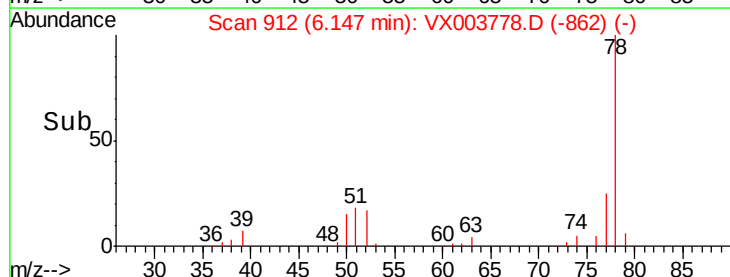
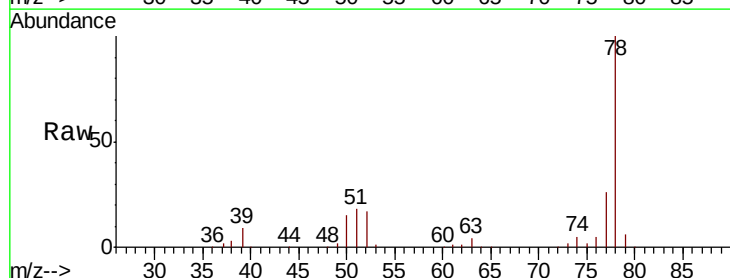
Manual Integrations
APPROVED

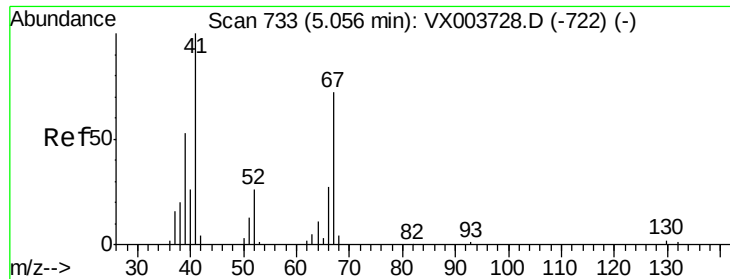
apatel
8/1/2018 6:54:51 PM



#40
Benzene
Concen: 51.36 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.01 min
Lab File: VX003778.D
Acq: 01 Aug 2018 04:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.2	17.9	26.9





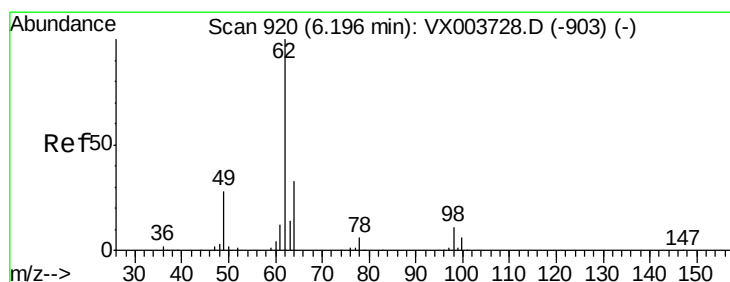
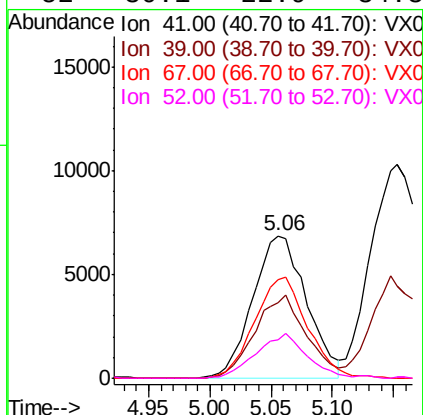
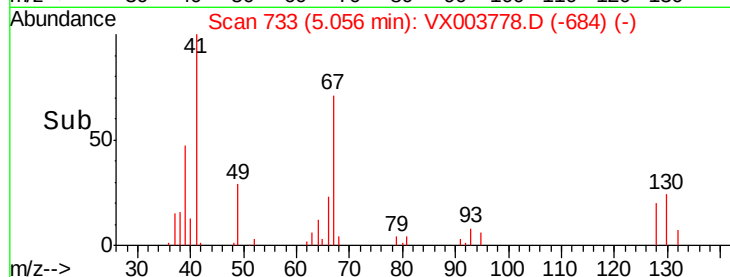
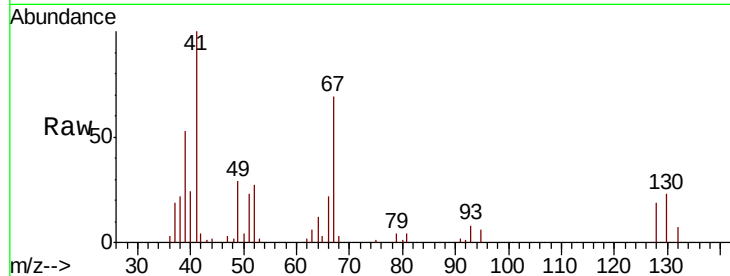
#41
Methacrylonitrile
Concen: 47.71 ug/l
RT: 5.06 min Scan# 733
Delta R.T. 0.00 min
Lab File: VX003778.D
Acq: 01 Aug 2018 04:44

Instrument :
MSVOA_X
ClientSampleId :
SB-1(3-5)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		20929		
39	55.9	42.6	64.0		
67	70.0	58.9	88.3		
52	30.1	22.9	34.3		

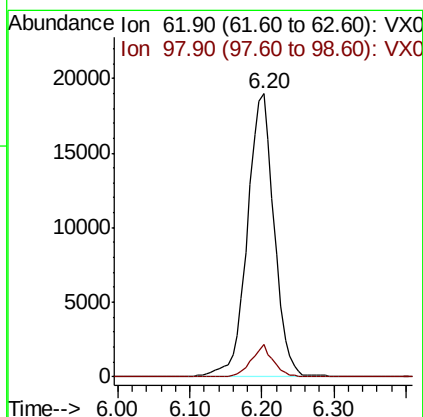
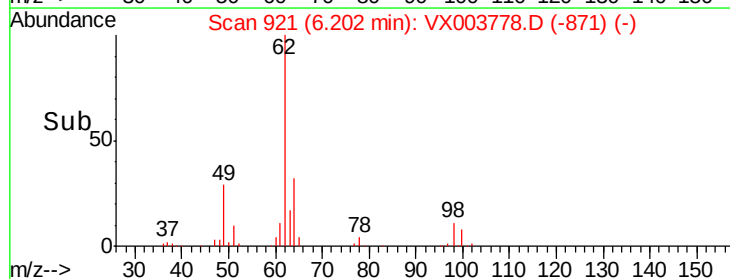
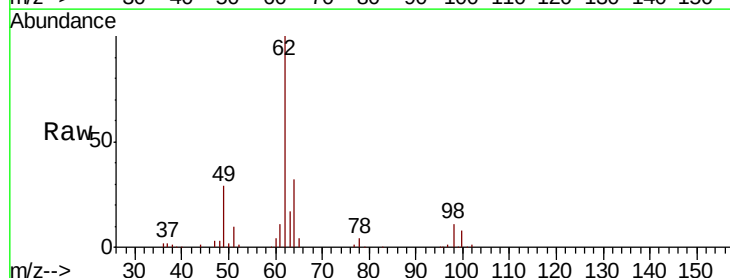
Manual Integrations
APPROVED

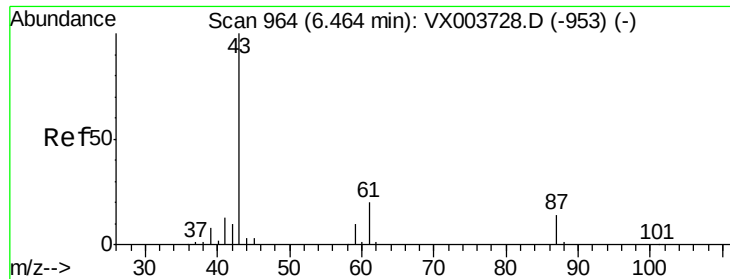
apatel
8/1/2018 6:54:51 PM



#42
1,2-Dichloroethane
Concen: 55.92 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.01 min
Lab File: VX003778.D
Acq: 01 Aug 2018 04:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		49029		
98	9.3	0.0	20.4		





#43

Isopropyl Acetate

Concen: 47.31 ug/l

RT: 6.46 min Scan# 963

Delta R.T. -0.01 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

Instrument :

MSVOA_X

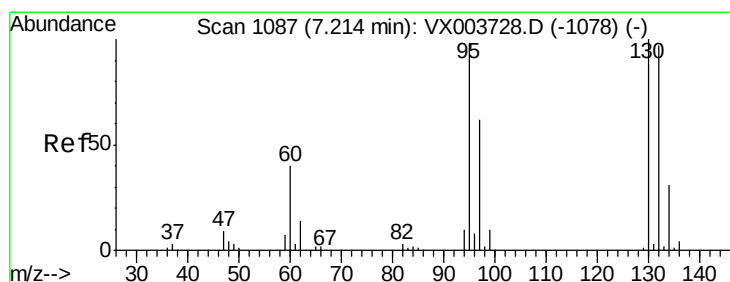
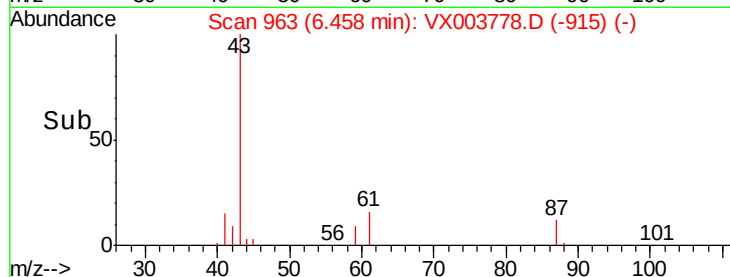
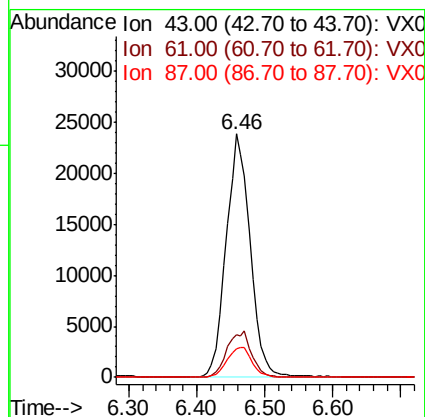
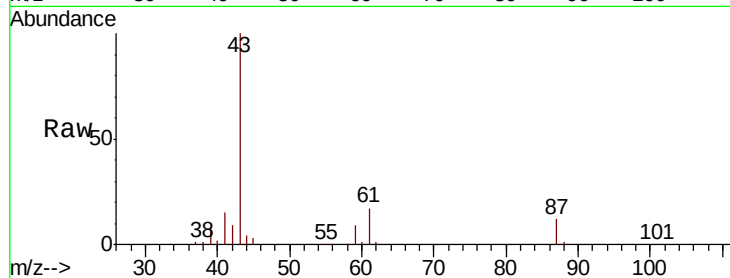
ClientSampleId :

SB-1(3-5)MSD

Tot Ion:	43	Resp:	58664
Ion	Ratio	Lower	Upper
43	100		
61	19.3	16.5	24.7
87	12.7	10.7	16.1

Manual Integrations
APPROVED

apatel
8/1/2018 6:54:51 PM



#44

Trichloroethene

Concen: 48.72 ug/l

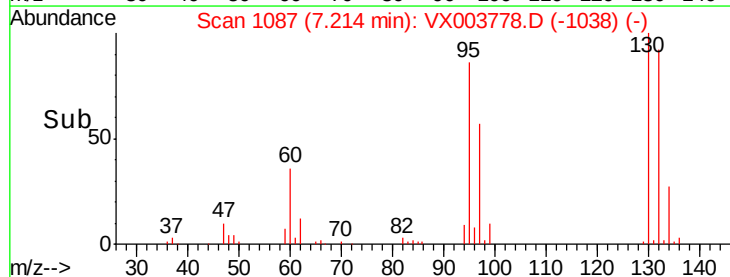
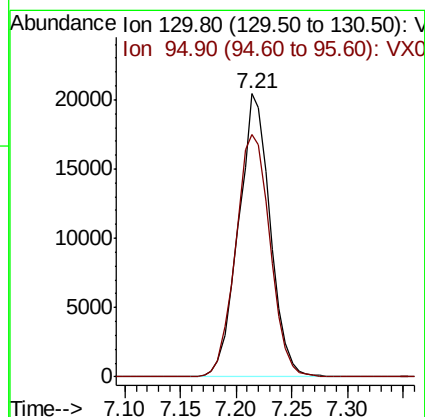
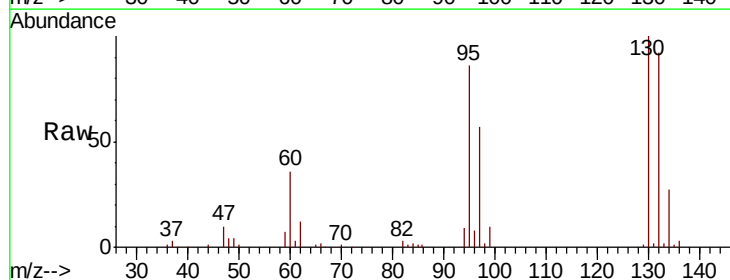
RT: 7.21 min Scan# 1087

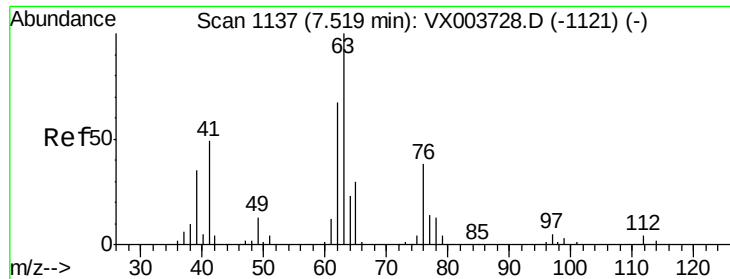
Delta R.T. 0.00 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

Tgt Ion:	130	Resp:	40350
Ion	Ratio	Lower	Upper
130	100		
95	85.5	0.0	196.2





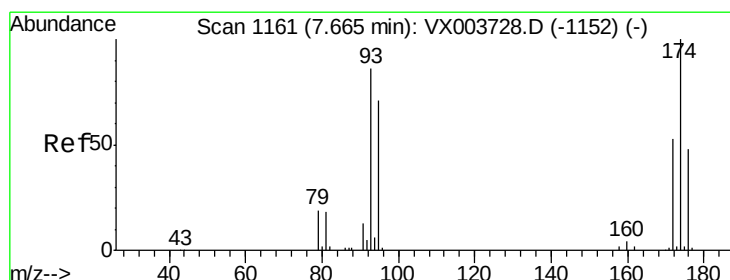
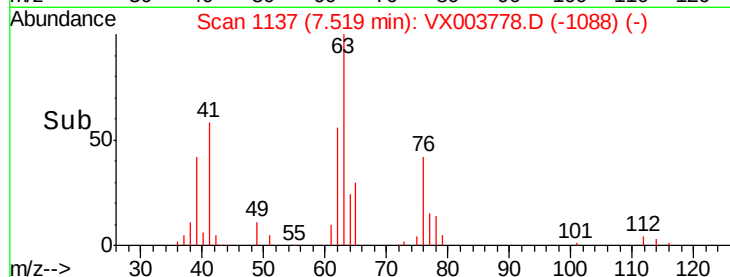
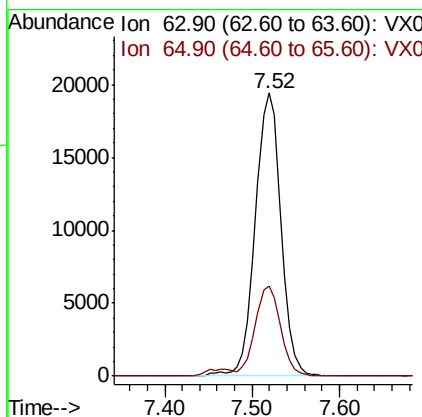
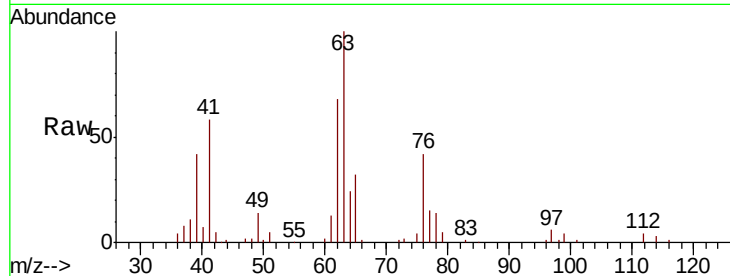
#45
 1,2-Dichloropropane
 Concen: 55.63 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX003778.D
 Acq: 01 Aug 2018 04:44

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-1(3-5)MSD

Tot Ion: 63 Resp: 39716
 Ion Ratio Lower Upper
 63 100
 65 32.0 23.7 35.5

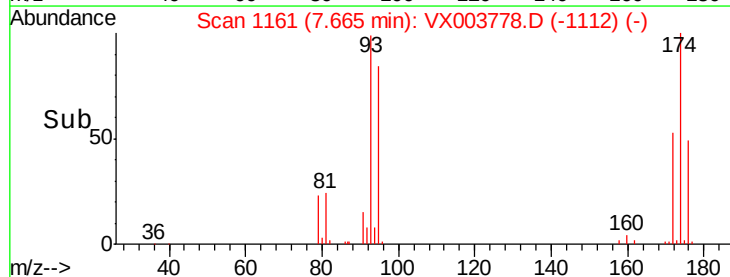
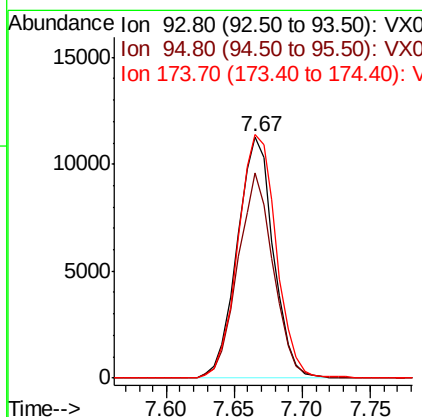
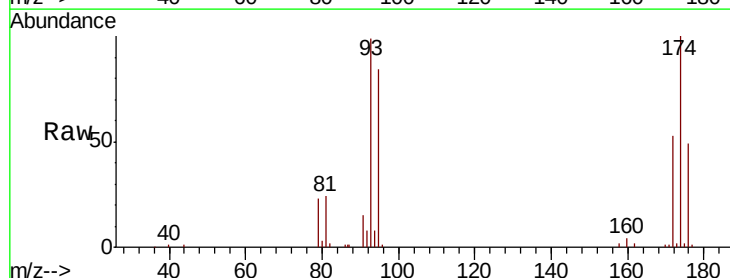
Manual Integrations
 APPROVED

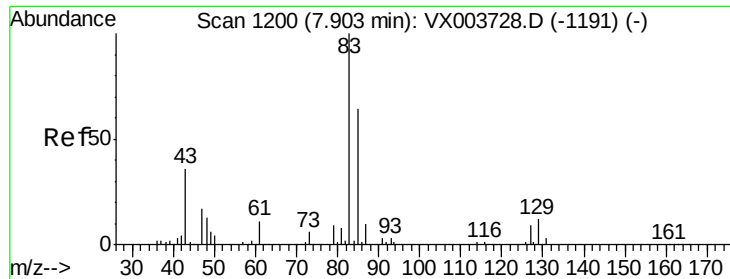
apatel
 8/1/2018 6:54:51 PM



#46
 Dibromomethane
 Concen: 50.70 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX003778.D
 Acq: 01 Aug 2018 04:44

Tgt Ion: 93 Resp: 20856
 Ion Ratio Lower Upper
 93 100
 95 83.8 68.1 102.1
 174 107.2 96.2 144.4





#47

Bromodichloromethane

Concen: 54.54 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

Instrument :

MSVOA_X

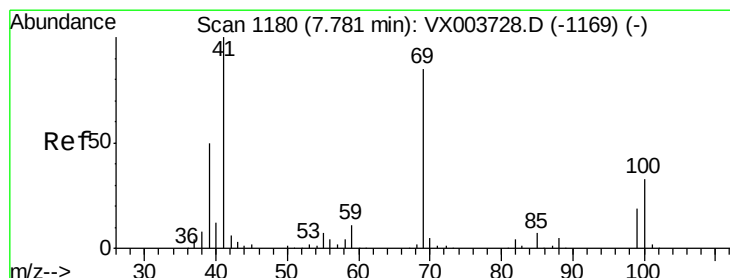
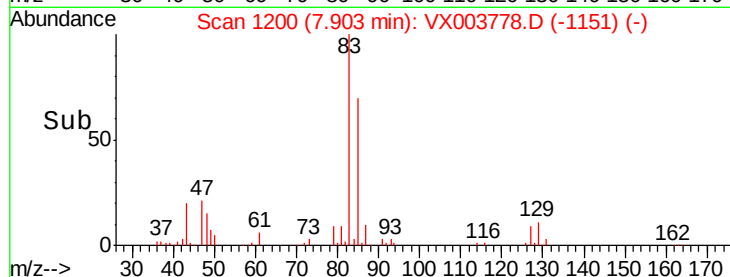
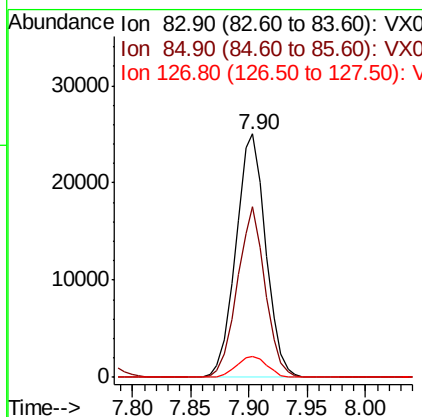
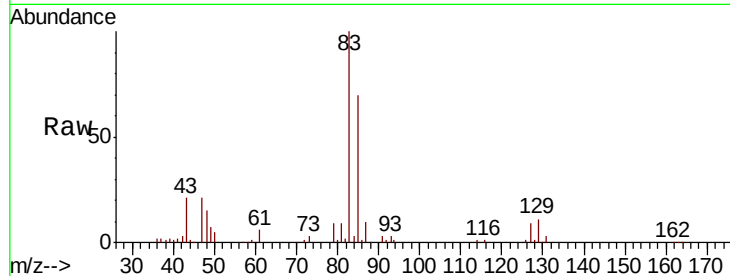
ClientSampleId :

SB-1(3-5)MSD

Tot Ion:	83	Resp:	44716
Ion	Ratio	Lower	Upper
83	100		
85	70.0	51.1	76.7
127	8.7	7.1	10.7

Manual Integrations
APPROVED

apatel
8/1/2018 6:54:51 PM



#48

Methyl methacrylate

Concen: 57.19 ug/l

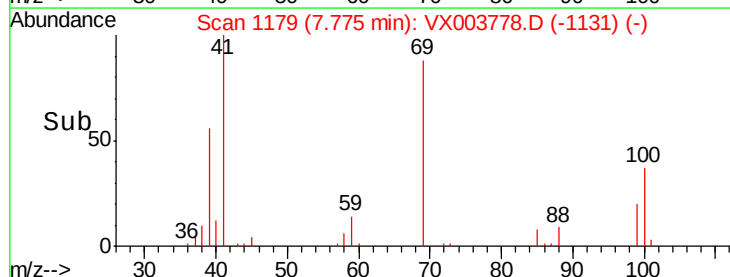
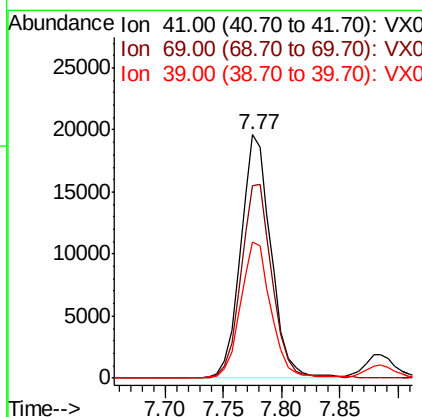
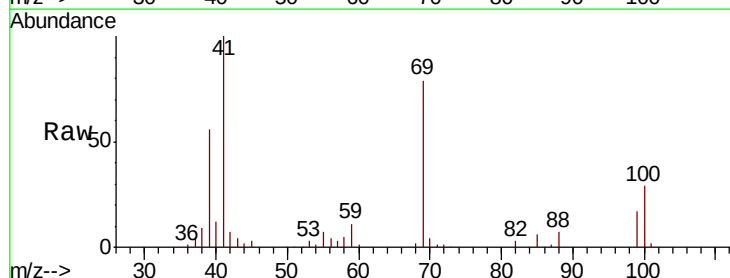
RT: 7.77 min Scan# 1179

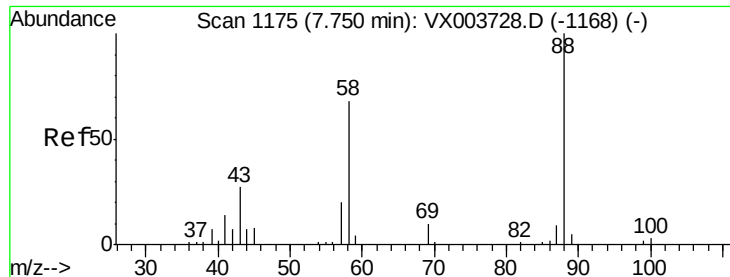
Delta R.T. -0.01 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

Tgt Ion:	41	Resp:	35570
Ion	Ratio	Lower	Upper
41	100		
69	81.3	68.7	103.1
39	56.0	40.8	61.2





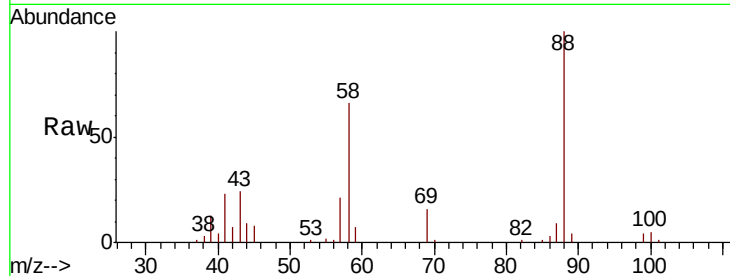
#49
1,4-Dioxane
Concen: 803.59 ug/l
RT: 7.75 min Scan# 1175
Delta R.T. 0.00 min
Lab File: VX003778.D
Acq: 01 Aug 2018 04:44

Instrument :
MSVOA_X
ClientSampled :
SB-1(3-5)MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.7	26.0	39.0
58	73.4	57.1	85.7

Manual Integrations
APPROVED

apatel
8/1/2018 6:54:51 PM

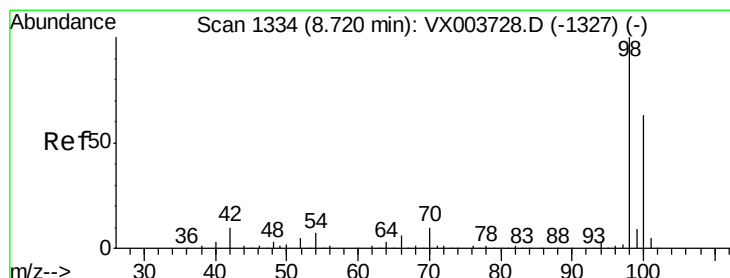
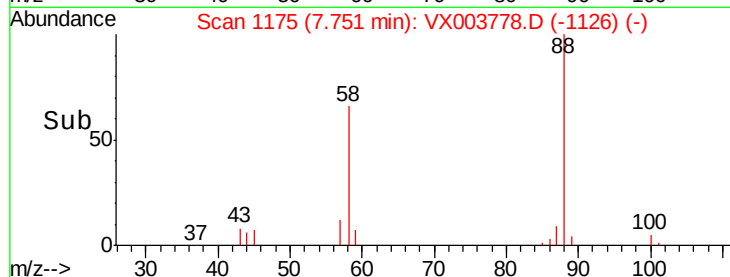
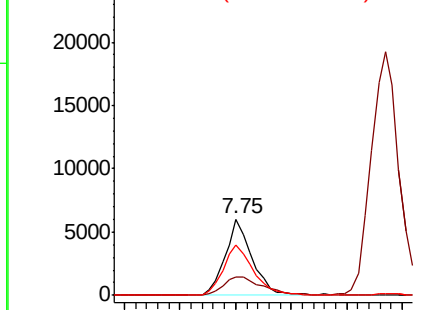


Abundance

Ion 88.00 (87.70 to 88.70): VX0

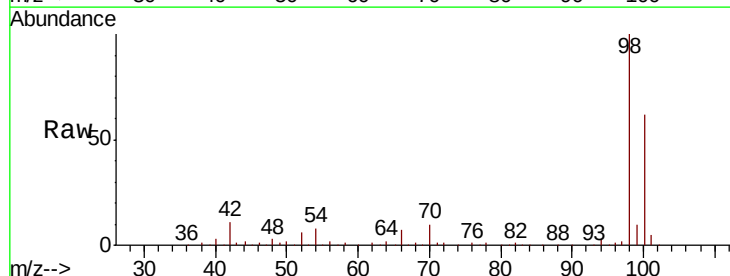
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 55.48 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003778.D
Acq: 01 Aug 2018 04:44

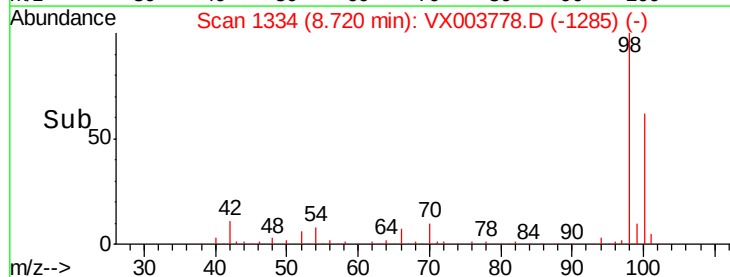
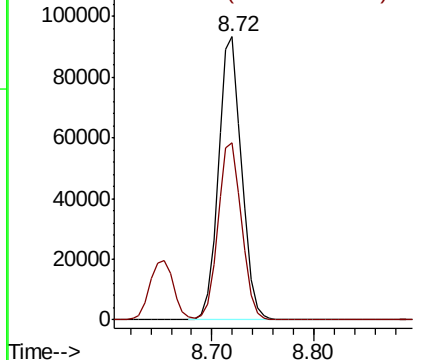
Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.4	77.0

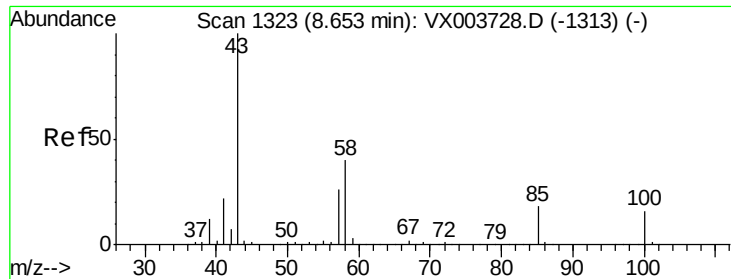


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 276.56 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

Instrument :

MSVOA_X

ClientSampleId :

SB-1(3-5)MSD

Tot Ion: 43 Resp: 210731

Ion Ratio Lower Upper

43 100

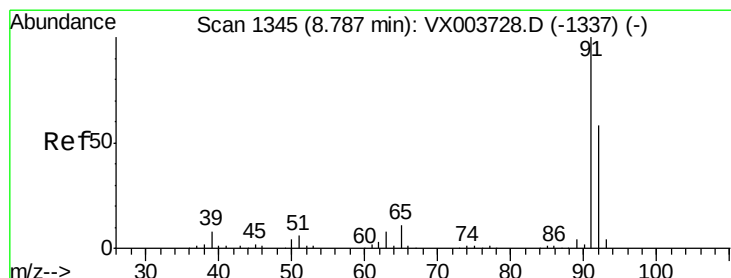
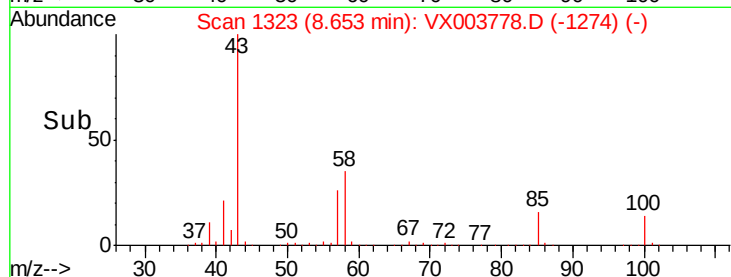
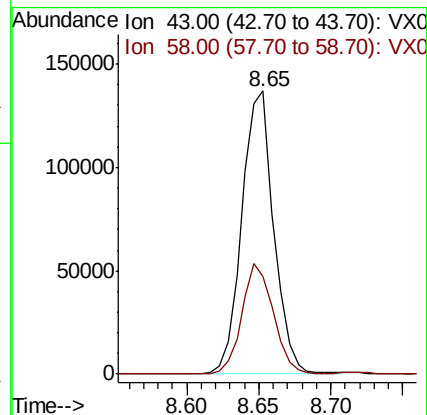
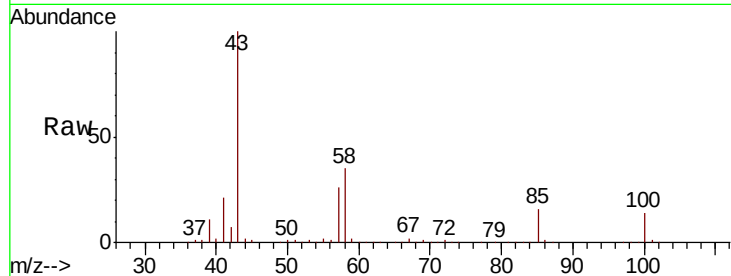
58 38.5 32.1 48.1

Manual Integrations

APPROVED

apatel

8/1/2018 6:54:51 PM



#52

Toluene

Concen: 59.23 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003778.D

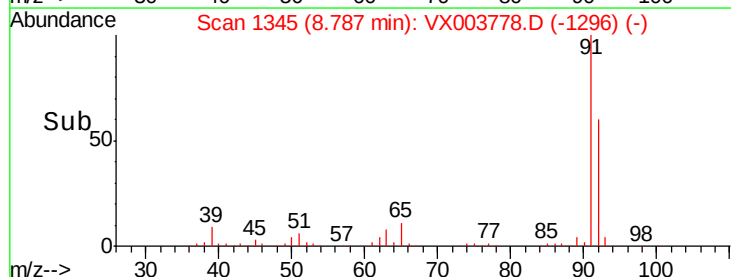
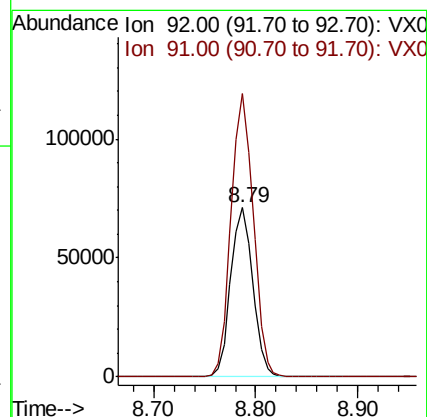
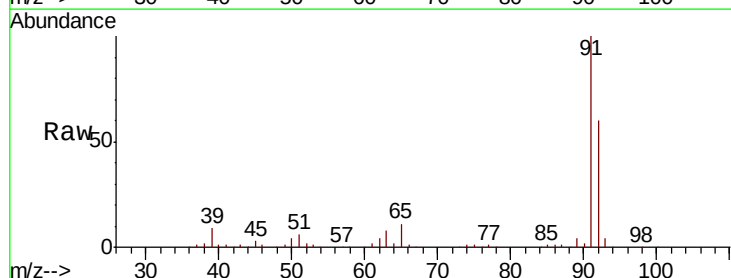
Acq: 01 Aug 2018 04:44

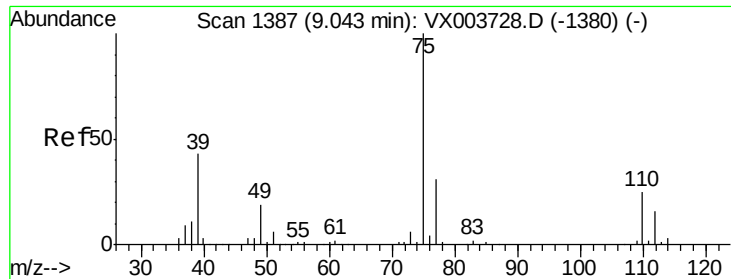
Tgt Ion: 92 Resp: 107260

Ion Ratio Lower Upper

92 100

91 167.6 139.4 209.2





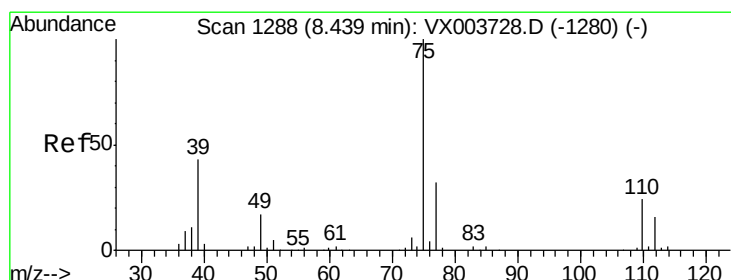
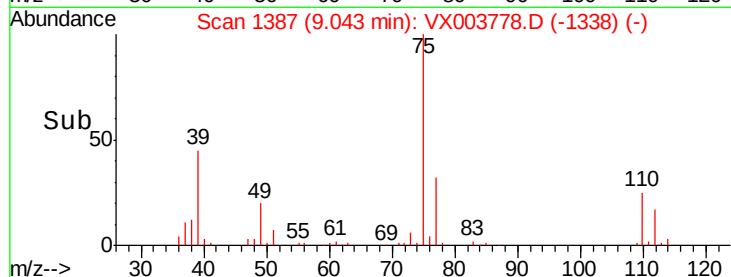
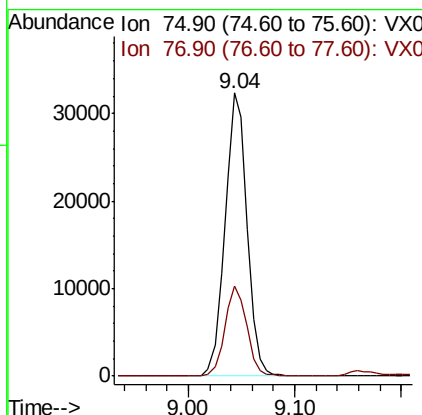
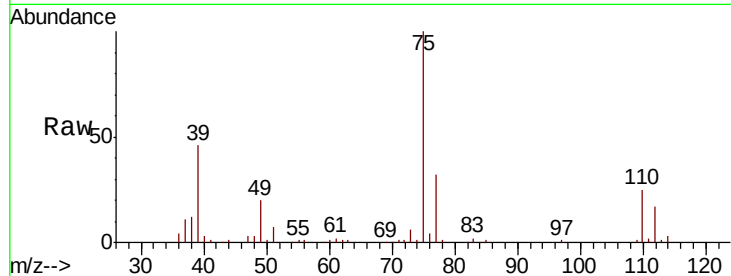
#53
t-1,3-Dichloropropene
Concen: 49.82 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VX003778.D
Acq: 01 Aug 2018 04:44

Instrument :
MSVOA_X
ClientSampleId :
SB-1(3-5)MSD

Tot Ion: 75 Resp: 46648
Ion Ratio Lower Upper
75 100
77 31.7 24.9 37.3

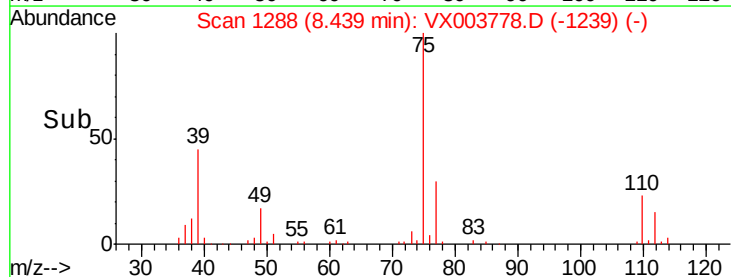
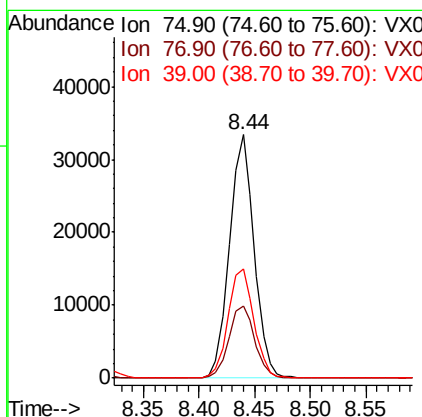
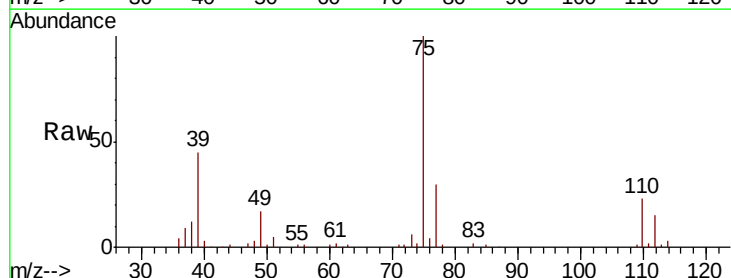
Manual Integrations
APPROVED

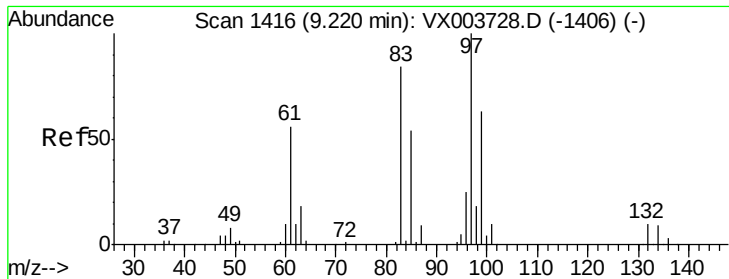
apatel
8/1/2018 6:54:51 PM



#54
cis-1,3-Dichloropropene
Concen: 49.02 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX003778.D
Acq: 01 Aug 2018 04:44

Tgt Ion: 75 Resp: 51165
Ion Ratio Lower Upper
75 100
77 29.9 25.3 37.9
39 44.5 34.1 51.1





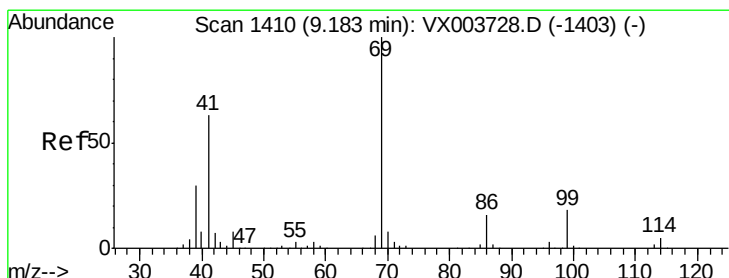
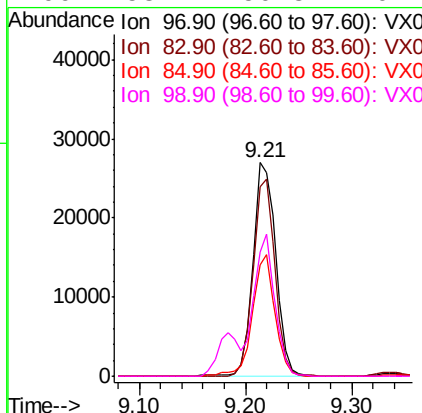
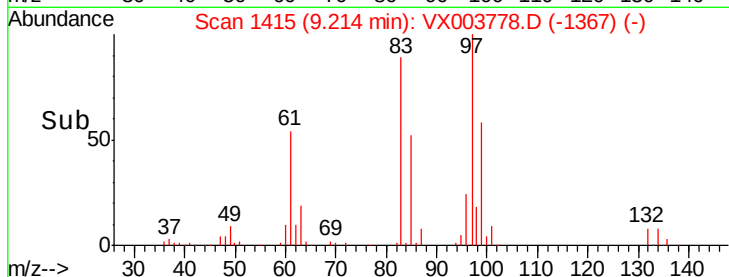
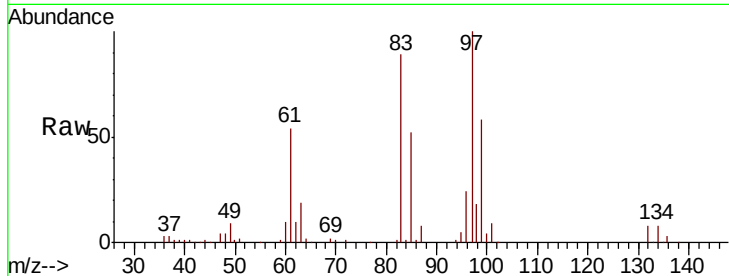
#55
 1,1,2-Trichloroethane
 Concen: 65.40 ug/l
 RT: 9.21 min Scan# 1415
 Delta R.T. -0.01 min
 Lab File: VX003778.D
 Acq: 01 Aug 2018 04:44

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-1(3-5)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		40757		
83	88.7	67.4	101.0		
85	52.1	43.3	64.9		
99	58.1	50.8	76.2		

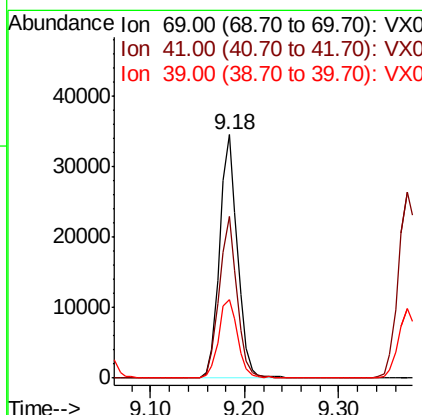
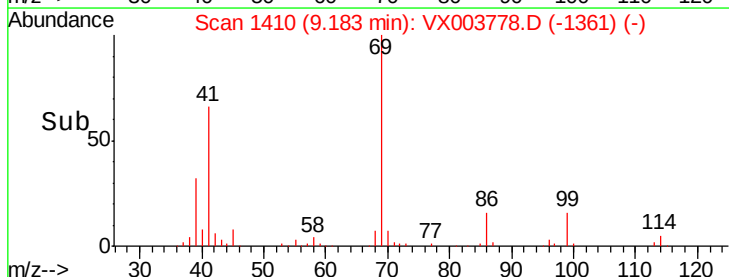
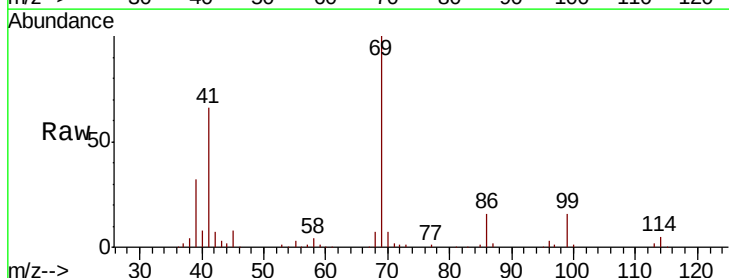
Manual Integrations
 APPROVED

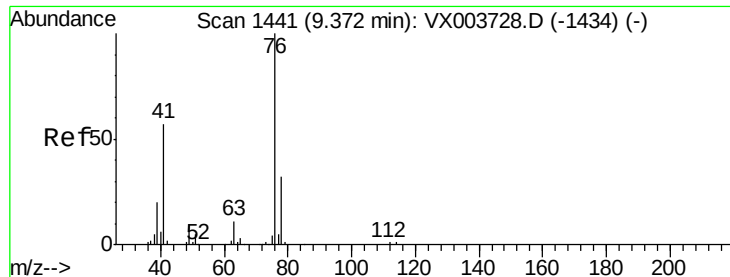
apatel
 8/1/2018 6:54:51 PM



#56
 Ethyl methacrylate
 Concen: 52.99 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003778.D
 Acq: 01 Aug 2018 04:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		45365		
41	66.8	51.6	77.4		
39	35.1	25.1	37.7		





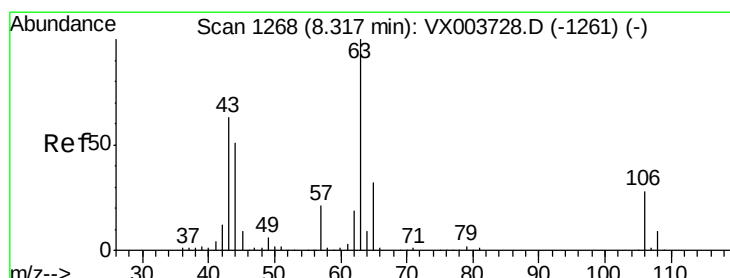
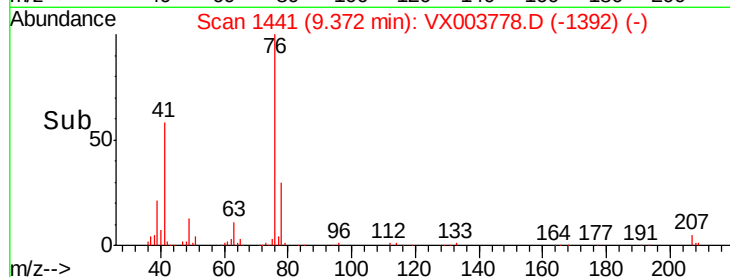
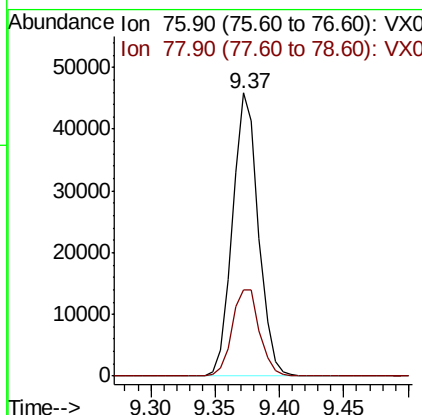
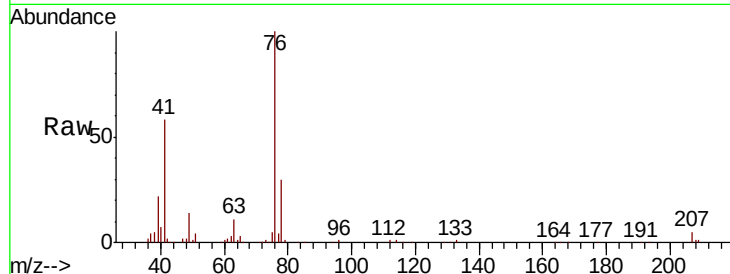
#57
 1,3-Dichloropropane
 Concen: 61.38 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VX003778.D
 Acq: 01 Aug 2018 04:44

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-1(3-5)MSD

Tot Ion: 76 Resp: 64211
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.7 38.5

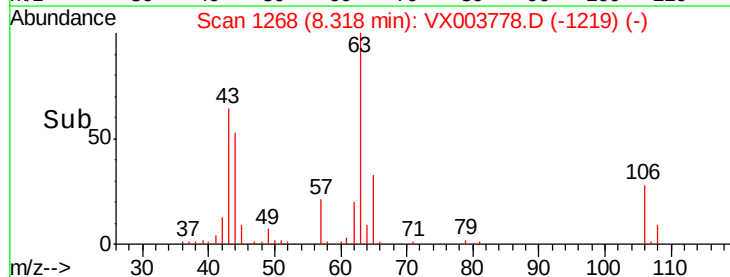
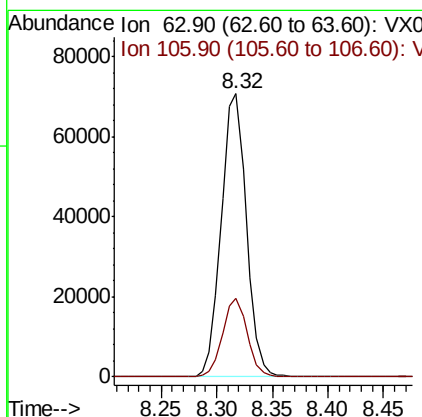
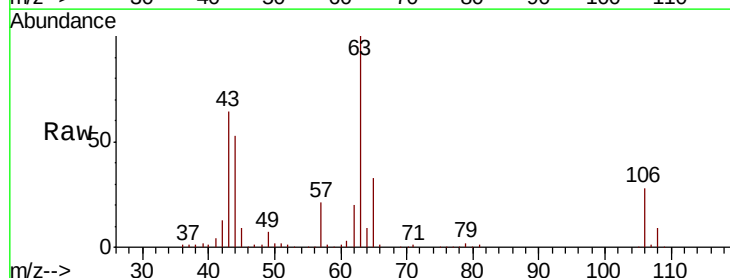
Manual Integrations
 APPROVED

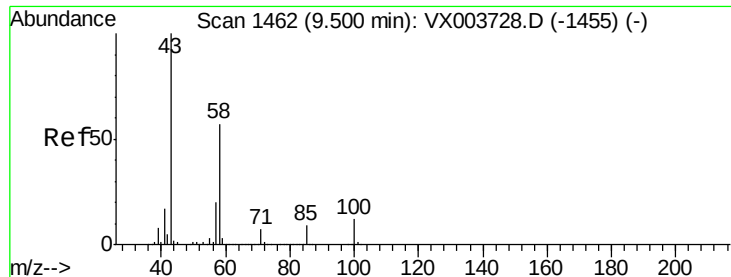
apatel
 8/1/2018 6:54:51 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 243.29 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VX003778.D
 Acq: 01 Aug 2018 04:44

Tgt Ion: 63 Resp: 110938
 Ion Ratio Lower Upper
 63 100
 106 27.2 22.5 33.7





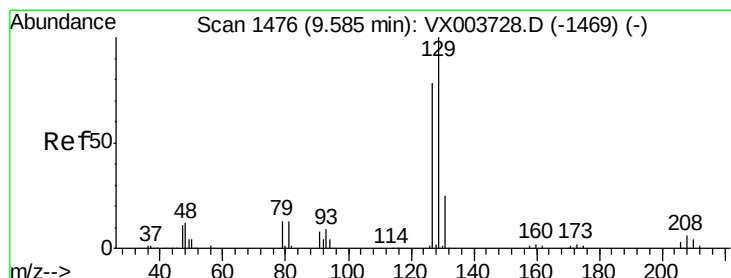
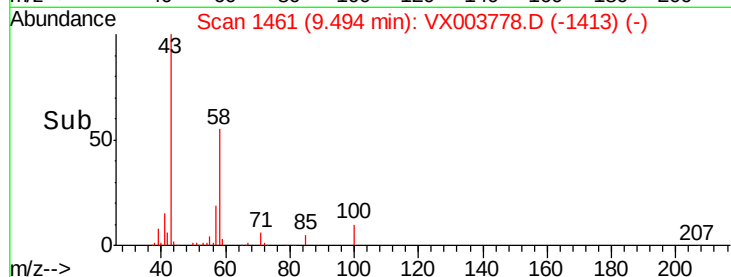
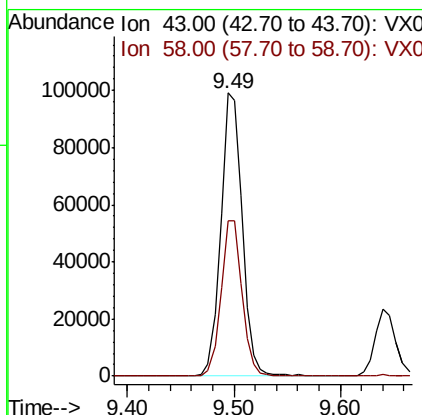
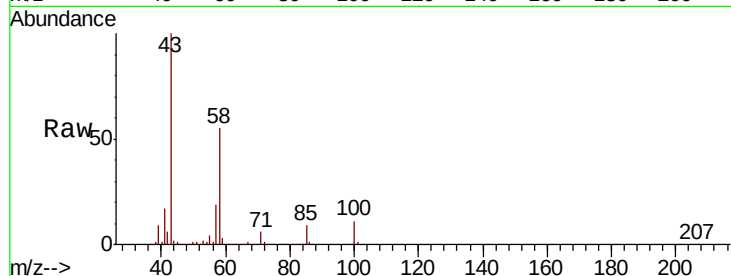
#59
2-Hexanone
Concen: 239.25 ug/l
RT: 9.49 min Scan# 1461
Delta R.T. -0.01 min
Lab File: VX003778.D
Acq: 01 Aug 2018 04:44

Instrument :
MSVOA_X
ClientSampled :
SB-1(3-5)MSD

Tot Ion	43	Resp	138883
Ion Ratio	43	100	
Lower	58	54.1	28.0
Upper			83.9

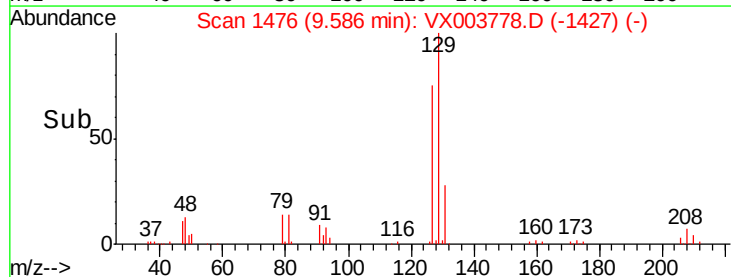
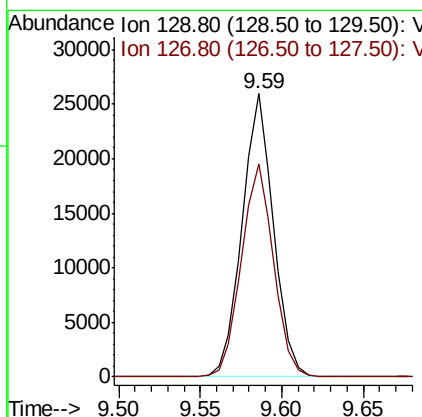
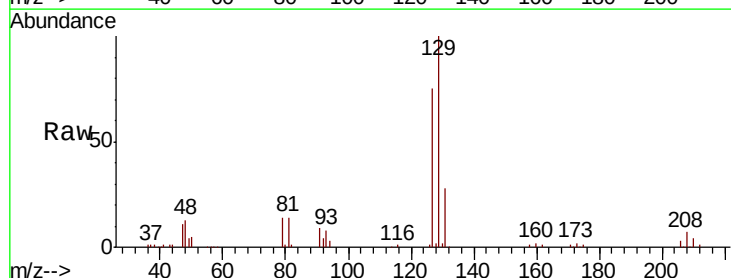
Manual Integrations
APPROVED

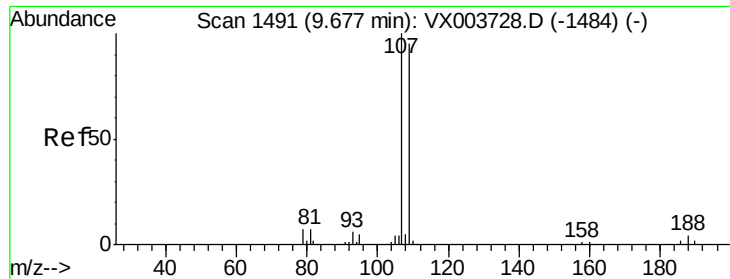
apatel
8/1/2018 6:54:51 PM



#60
Dibromochloromethane
Concen: 55.33 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003778.D
Acq: 01 Aug 2018 04:44

Tgt Ion	129	Resp	34726
Ion Ratio	129	100	
Lower	127	77.2	38.8
Upper			116.4





#61

1,2-Dibromoethane

Concen: 50.46 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

Instrument :

MSVOA_X

ClientSampleId :

SB-1(3-5)MSD

Tot Ion:107 Resp: 32111

Ion Ratio Lower Upper

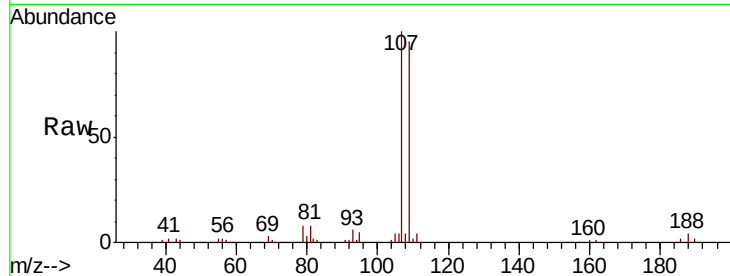
107 100

109 95.1 75.0 112.6

Manual Integrations
APPROVED

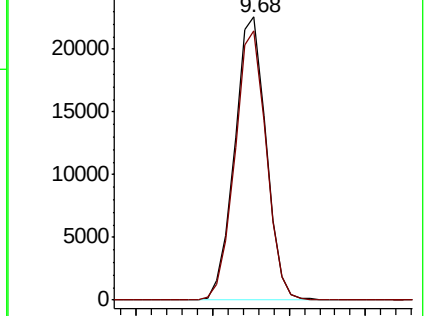
apatel

8/1/2018 6:54:51 PM

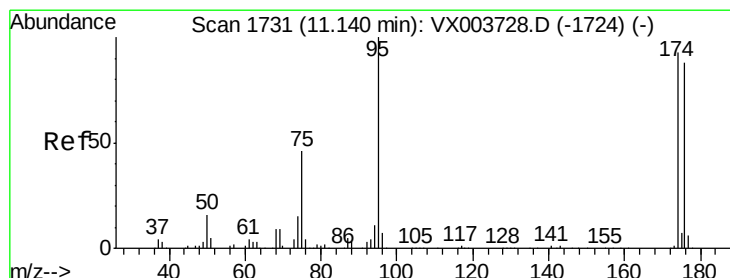
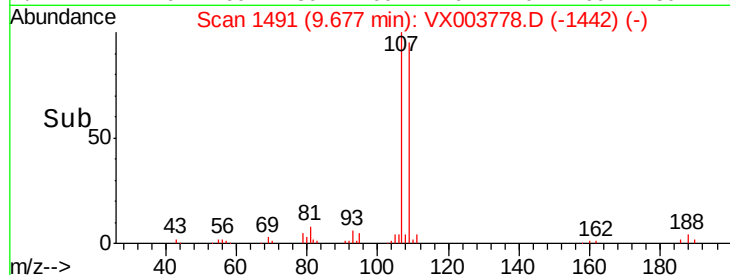


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 39.28 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

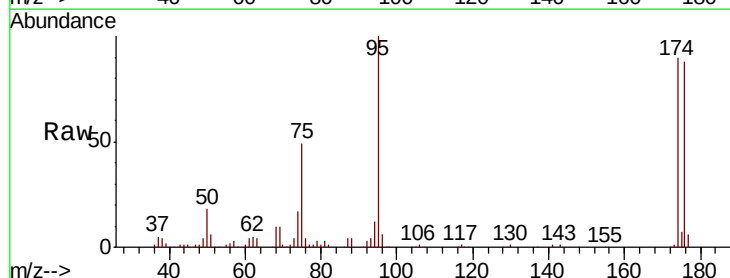
Tgt Ion: 95 Resp: 38461

Ion Ratio Lower Upper

95 100

174 89.2 0.0 186.2

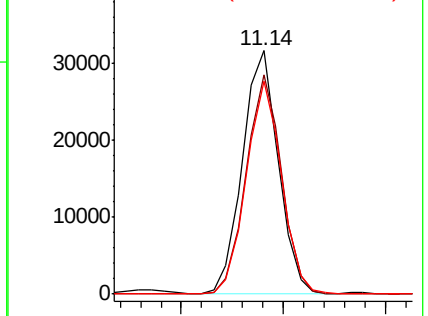
176 86.7 0.0 179.2



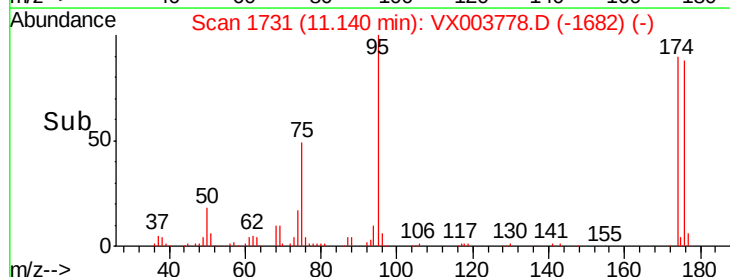
Abundance Ion 94.90 (94.60 to 95.60): VX0

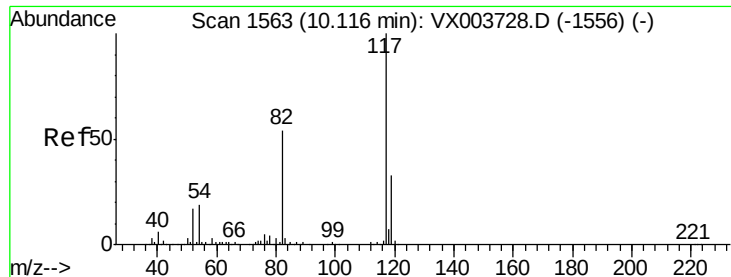
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





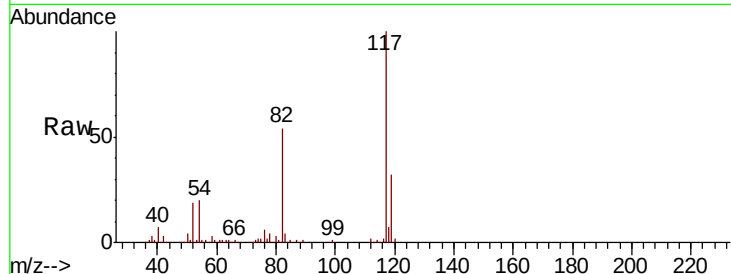
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003778.D
Acq: 01 Aug 2018 04:44

Instrument :
MSVOA_X
ClientSampleId :
SB-1(3-5)MSD

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.5	43.2	64.8
119	32.4	26.3	39.5

Manual Integrations
APPROVED

apatel
8/1/2018 6:54:51 PM

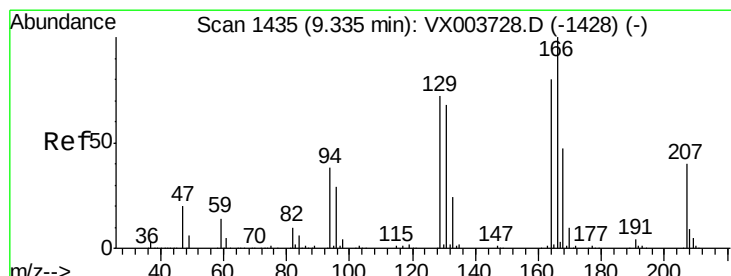
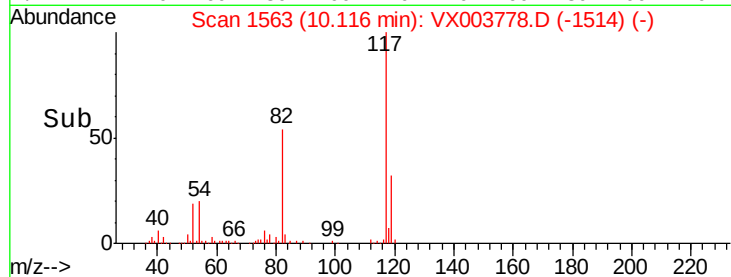
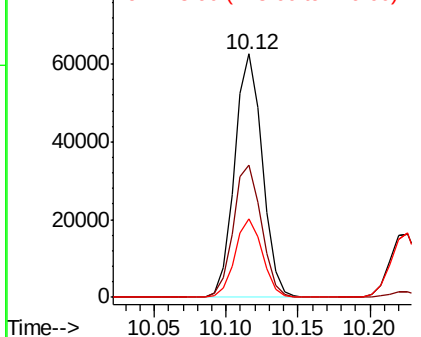


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 67.13 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX003778.D
Acq: 01 Aug 2018 04:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	135.8	100.4	150.6
129	89.7	71.8	107.8
131	84.6	68.3	102.5

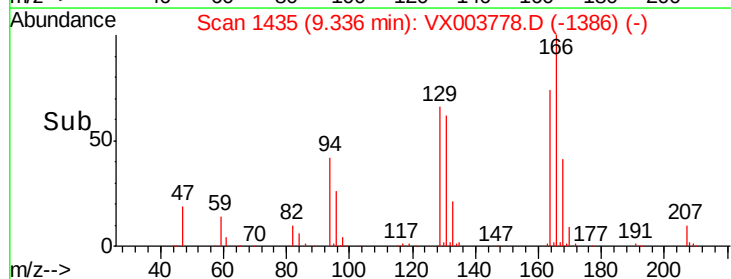
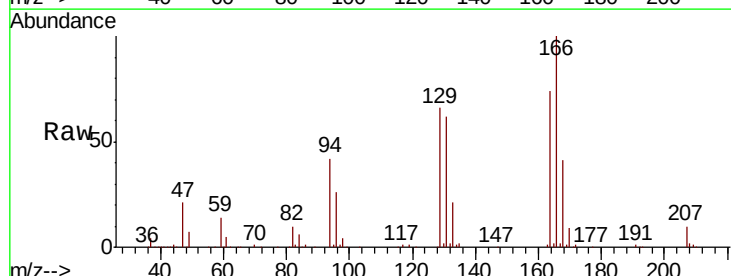
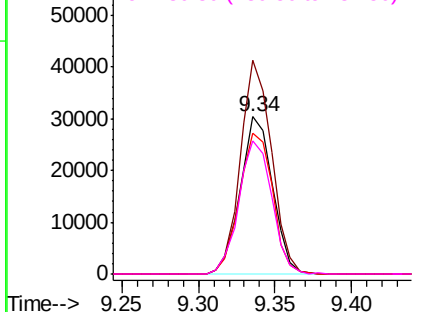
Abundance

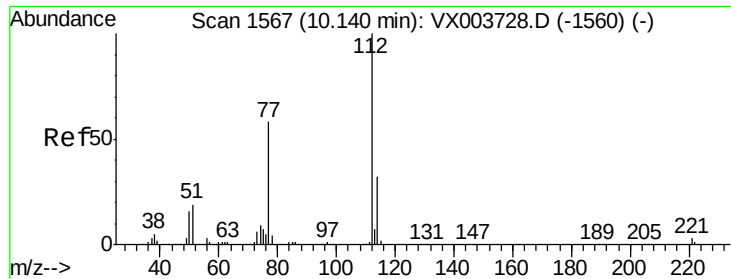
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





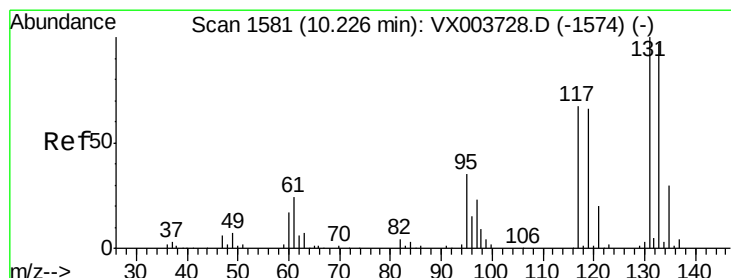
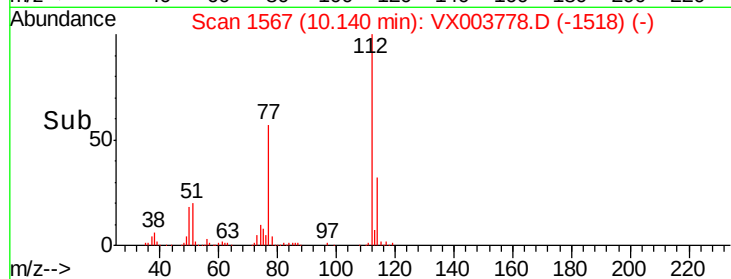
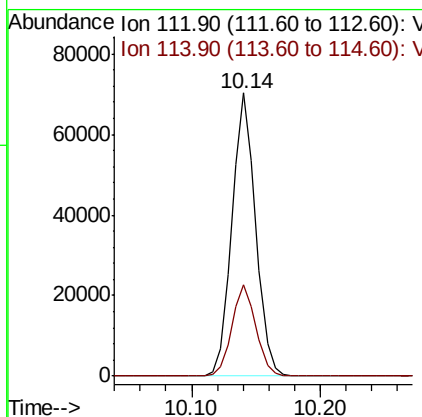
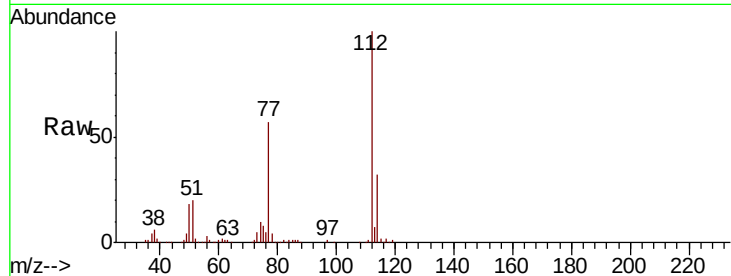
#65
Chlorobenzene
Concen: 51.31 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003778.D
Acq: 01 Aug 2018 04:44

Instrument :
MSVOA_X
ClientSampled :
SB-1(3-5)MSD

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.7	38.5

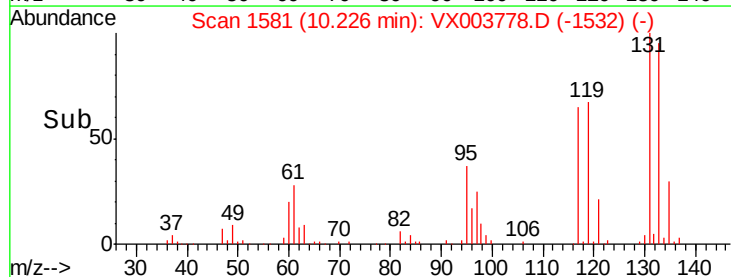
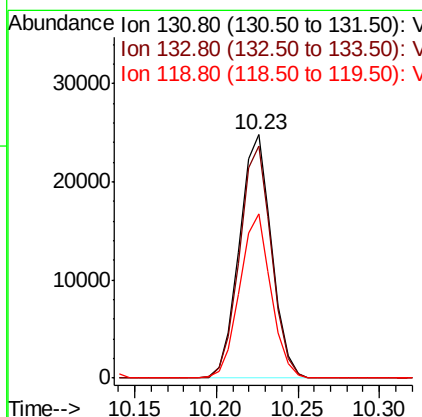
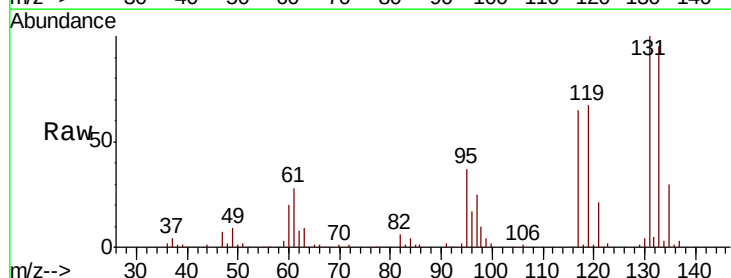
Manual Integrations
APPROVED

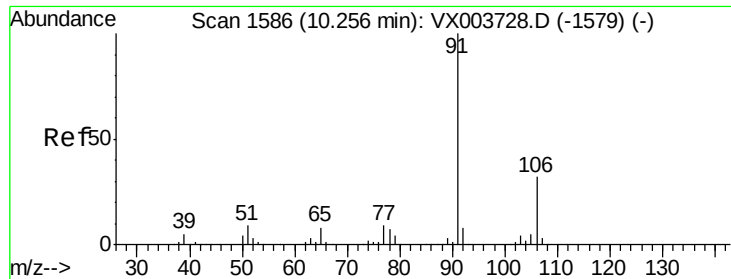
apatel
8/1/2018 6:54:51 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 59.21 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003778.D
Acq: 01 Aug 2018 04:44

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.9	47.6	142.9
119	65.7	32.8	98.3





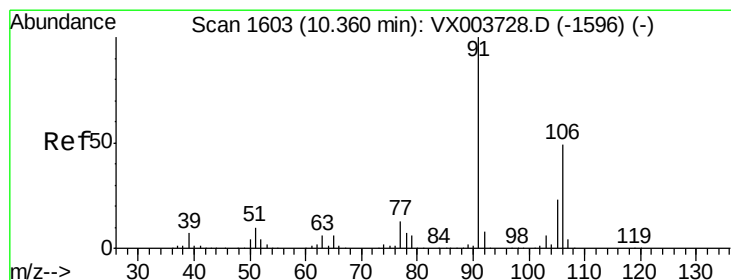
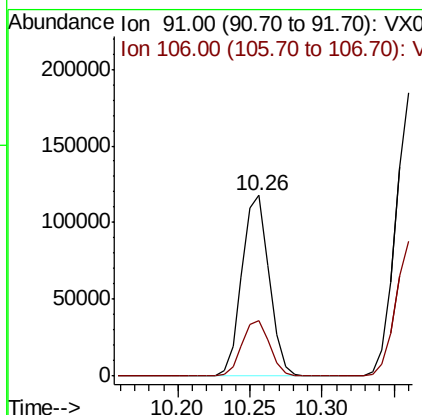
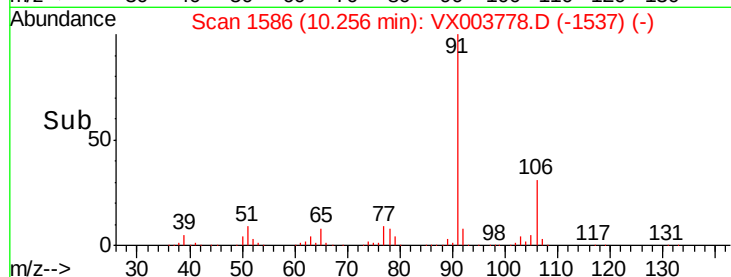
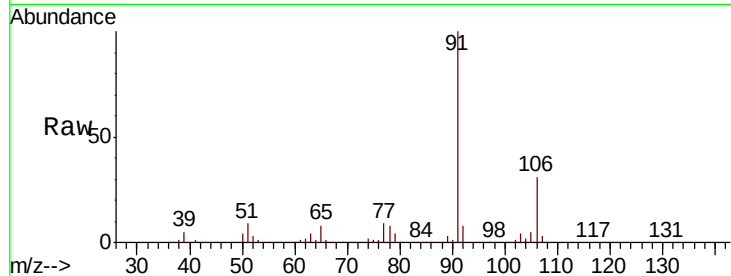
#67
Ethyl Benzene
Concen: 52.19 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003778.D
Acq: 01 Aug 2018 04:44

Instrument :
MSVOA_X
ClientSampleId :
SB-1(3-5)MSD

Tot Ion: 91 Resp: 155133
Ion Ratio Lower Upper
91 100
106 31.0 25.4 38.2

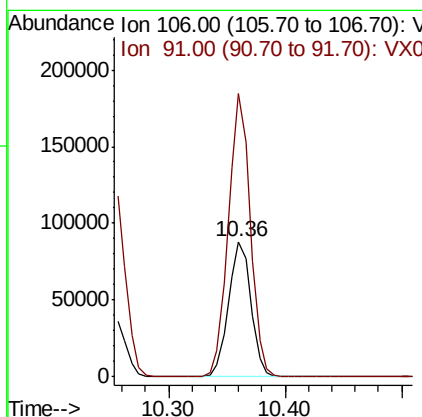
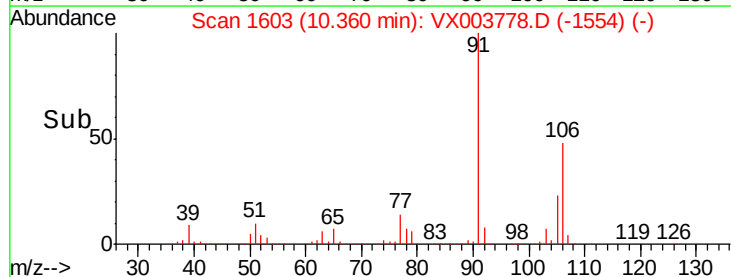
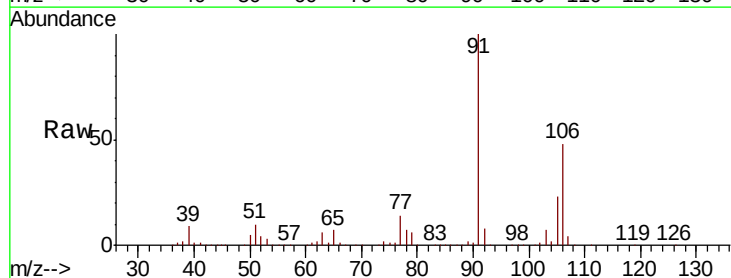
Manual Integrations
APPROVED

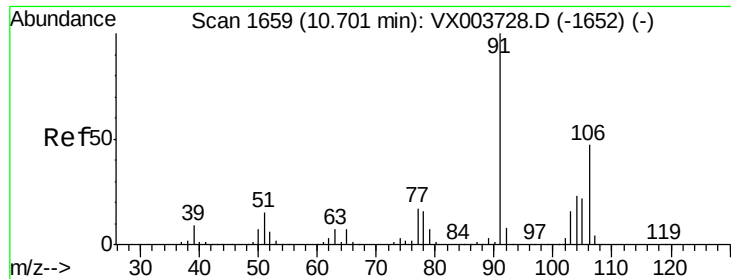
apatel
8/1/2018 6:54:51 PM



#68
m/p-Xylenes
Concen: 101.53 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003778.D
Acq: 01 Aug 2018 04:44

Tgt Ion: 106 Resp: 118065
Ion Ratio Lower Upper
106 100
91 205.7 159.8 239.8





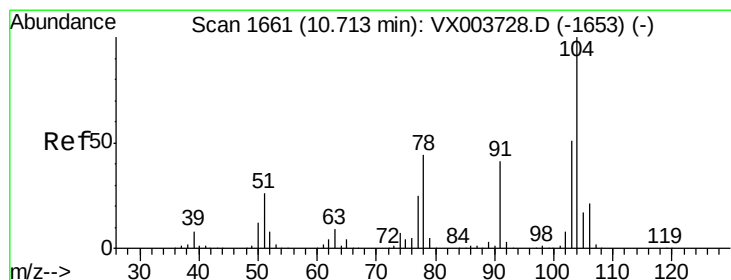
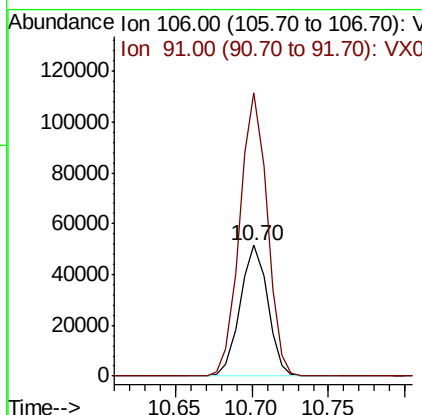
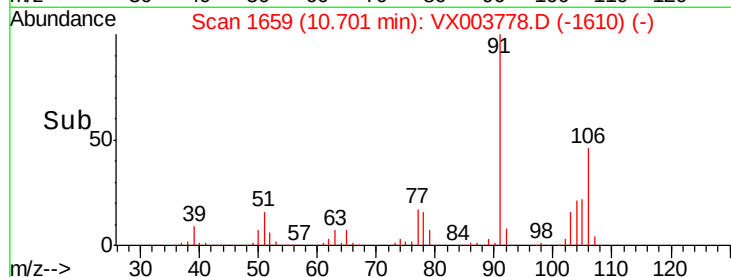
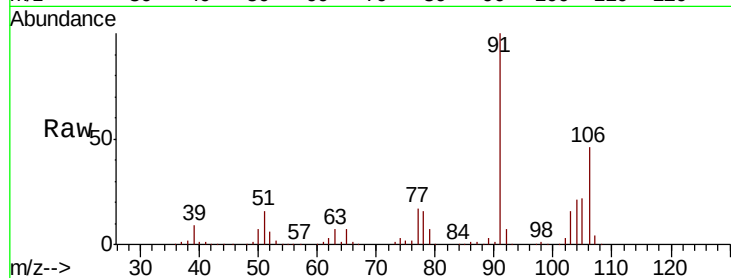
#69
o-Xylene
Concen: 59.88 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003778.D
Acq: 01 Aug 2018 04:44

Instrument :
MSVOA_X
ClientSampleId :
SB-1(3-5)MSD

Tot Ion:106 Resp: 64652
Ion Ratio Lower Upper
106 100
91 215.1 105.6 316.8

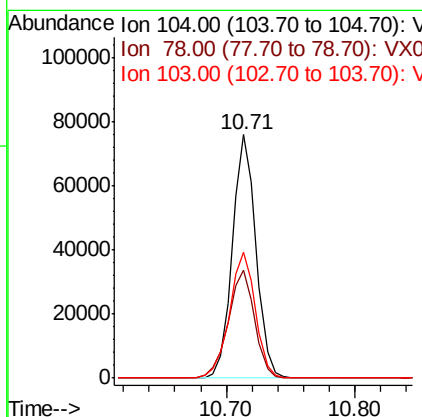
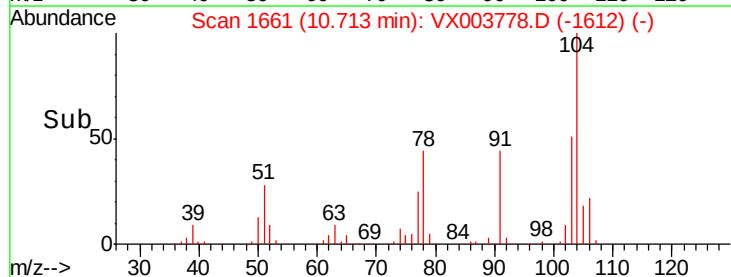
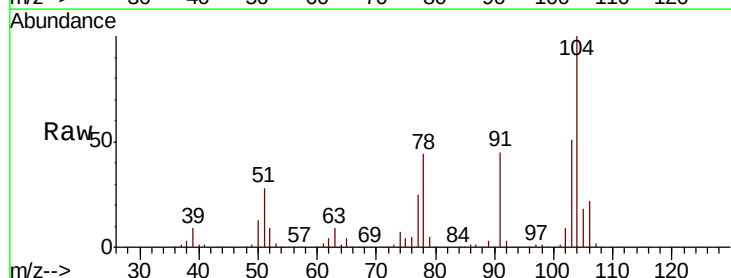
Manual Integrations
APPROVED

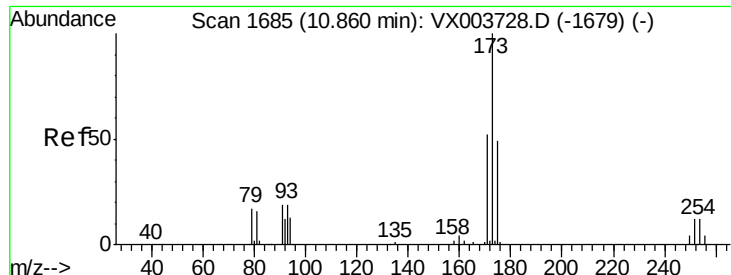
apatel
8/1/2018 6:54:51 PM



#70
Styrene
Concen: 53.41 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003778.D
Acq: 01 Aug 2018 04:44

Tgt Ion:104 Resp: 97023
Ion Ratio Lower Upper
104 100
78 49.7 38.2 57.2
103 56.7 44.5 66.7





#71

Bromoform

Concen: 55.62 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

Instrument :

MSVOA_X

ClientSampled :

SB-1(3-5)MSD

Tot Ion:173 Resp: 21956

Ion Ratio Lower Upper

173 100

175 49.2 24.9 74.6

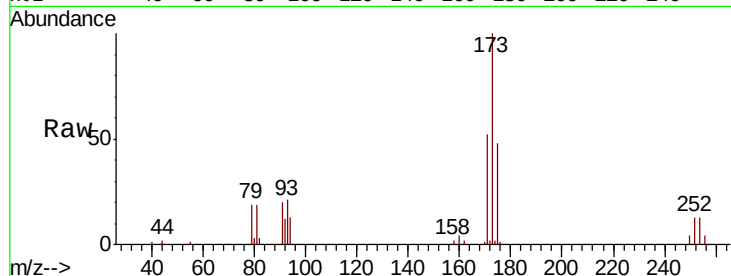
254 0.0 0.0 0.0

Manual Integrations

APPROVED

apatel

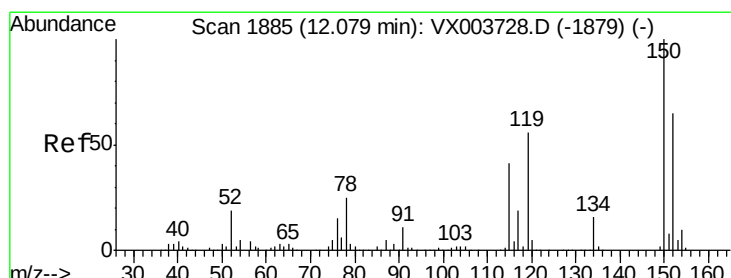
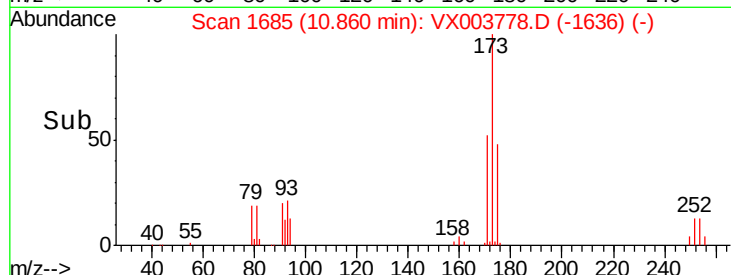
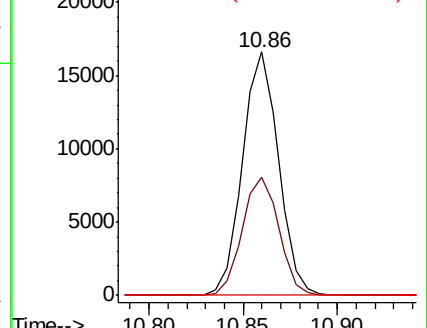
8/1/2018 6:54:51 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

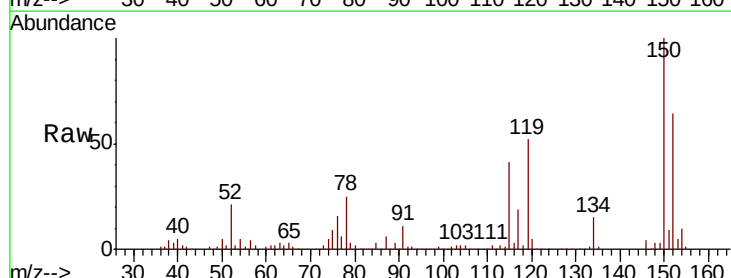
Tgt Ion:152 Resp: 36879

Ion Ratio Lower Upper

152 100

115 80.8 38.5 115.3

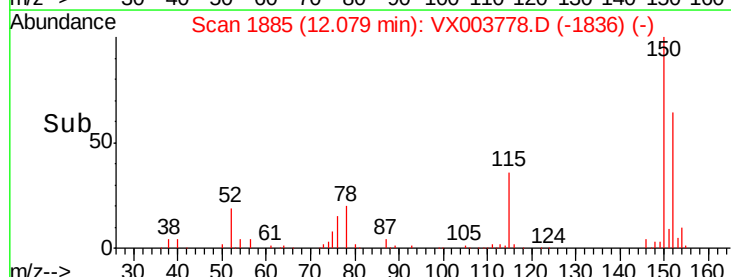
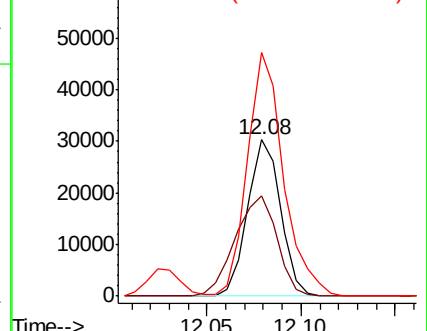
150 170.7 0.0 346.2

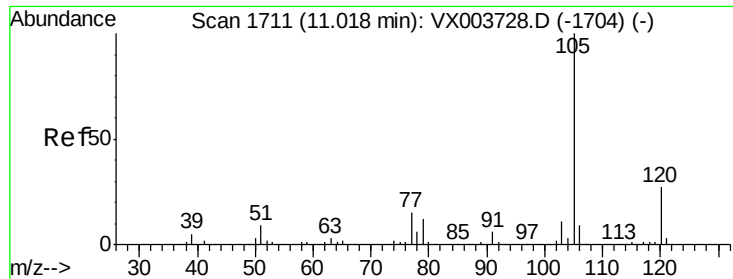


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





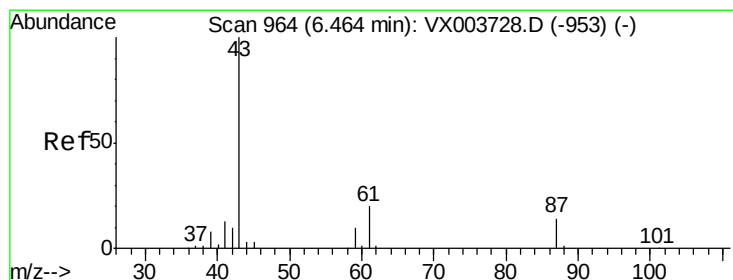
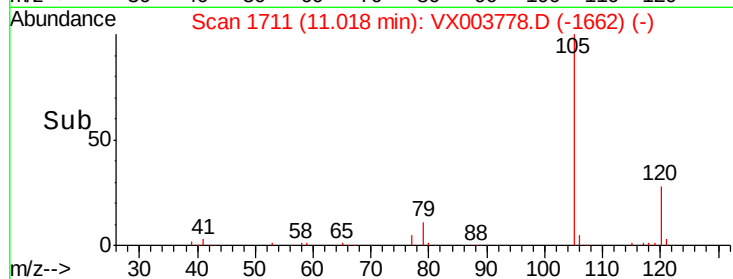
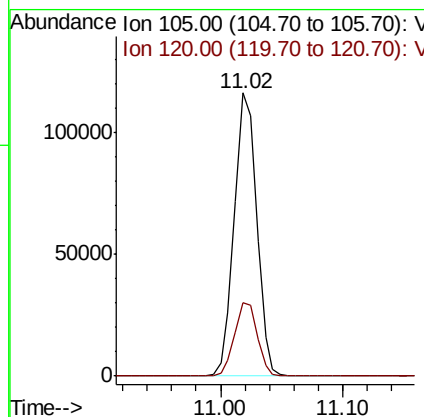
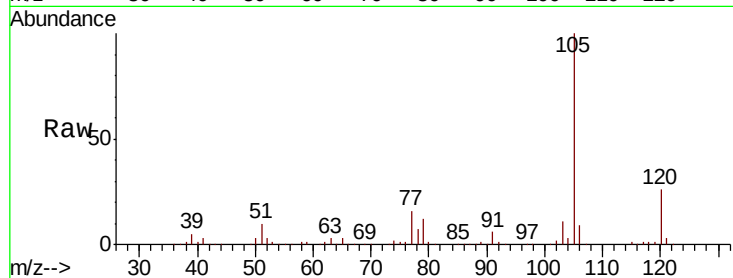
#73
Isopropylbenzene
Concen: 63.64 ug/l
RT: 11.02 min Scan# 1711
Delta R.T. 0.00 min
Lab File: VX003778.D
Acq: 01 Aug 2018 04:44

Instrument :
MSVOA_X
ClientSampled :
SB-1(3-5)MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.5	40.5

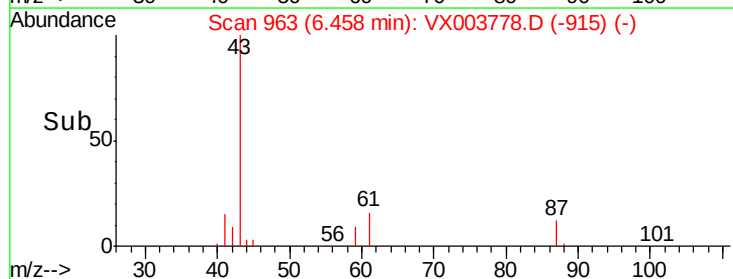
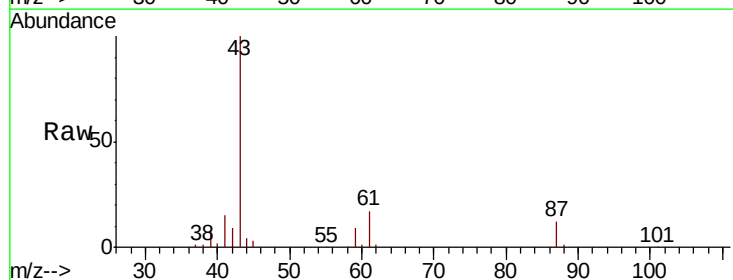
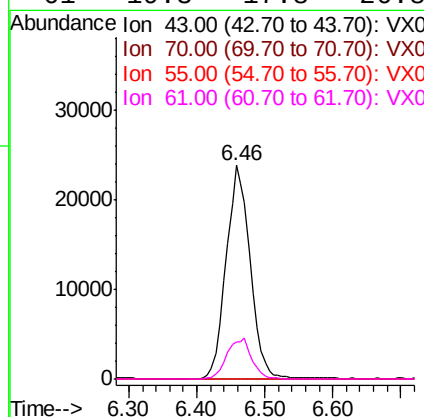
Manual Integrations
APPROVED

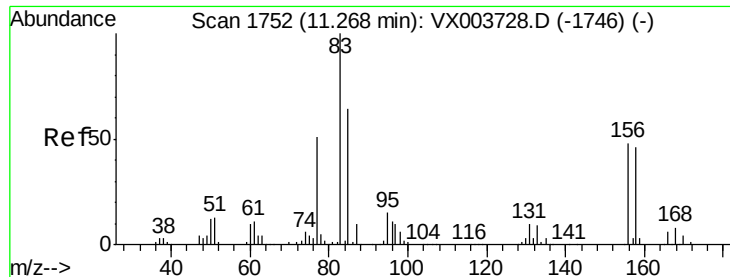
apatel
8/1/2018 6:54:51 PM



#74
N-ethyl acetate
Concen: 71.69 ug/l
RT: 6.46 min Scan# 963
Delta R.T. -0.01 min
Lab File: VX003778.D
Acq: 01 Aug 2018 04:44

Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	31.0	46.6#
55	0.1	18.9	28.3#
61	19.3	17.8	26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 71.07 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

Instrument :

MSVOA_X

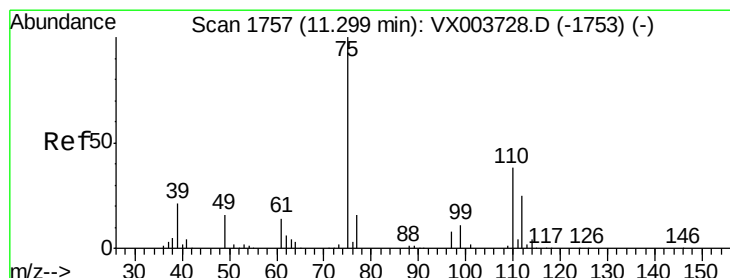
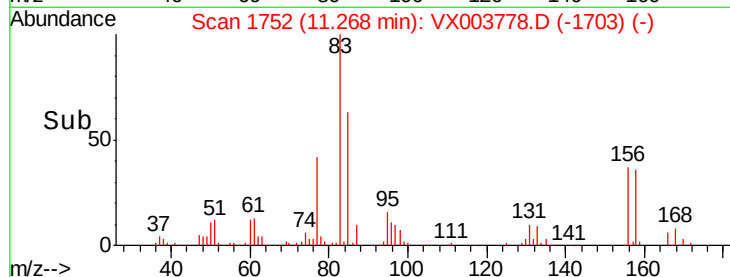
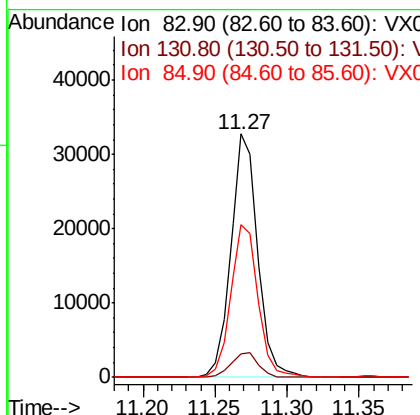
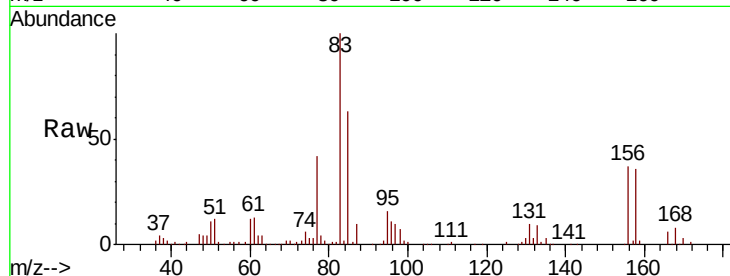
ClientSampled :

SB-1(3-5)MSD

Tot Ion:	83	Resp:	42661
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.3	15.9
85	64.0	32.0	96.2

Manual Integrations
APPROVED

apatel
8/1/2018 6:54:51 PM



#76

1,2,3-Trichloropropane

Concen: 69.26 ug/l m

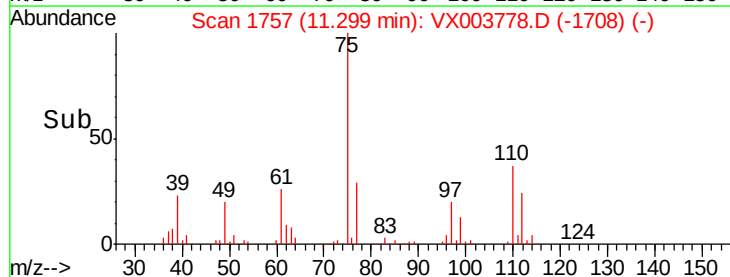
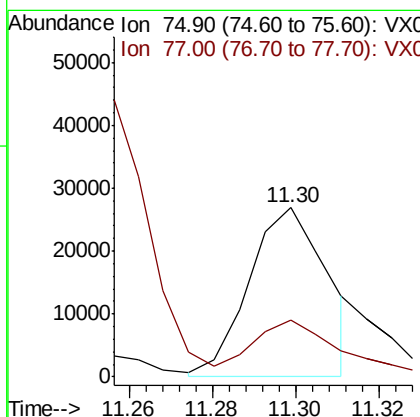
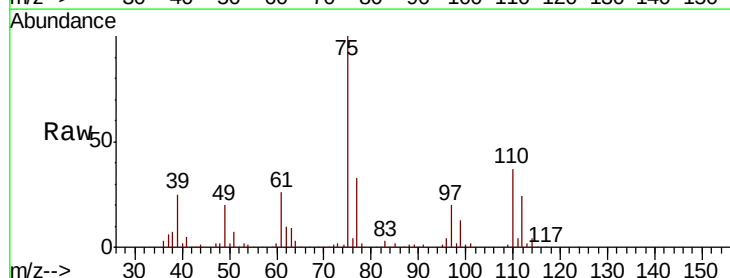
RT: 11.30 min Scan# 1757

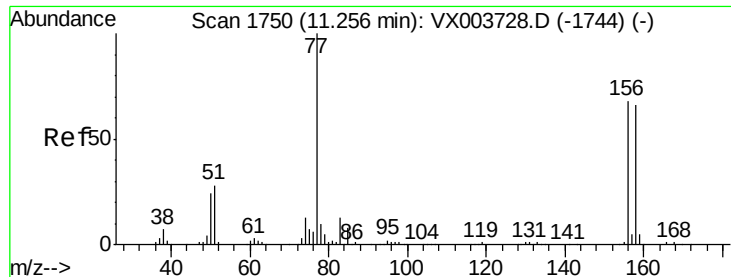
Delta R.T. 0.00 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

Tgt Ion:	75	Resp:	35207
Ion Ratio	Lower	Upper	
75	100		
77	37.7	21.6	65.0





#77

Bromobenzene

Concen: 61.50 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

Instrument :

MSVOA_X

ClientSampleId :

SB-1(3-5)MSD

Tot Ion:156 Resp: 37018

Ion Ratio Lower Upper

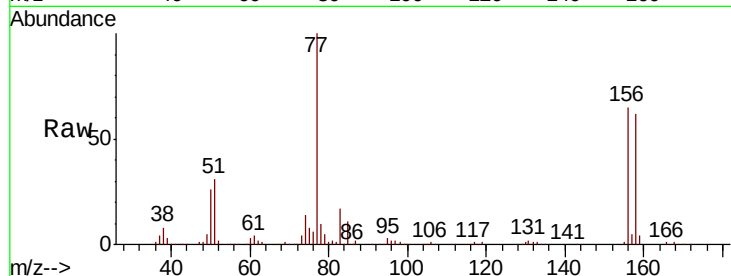
156 100

77 154.4 71.8 215.3

158 98.5 48.8 146.4

Manual Integrations
APPROVED

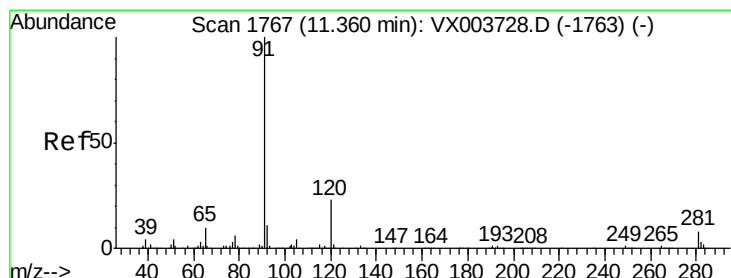
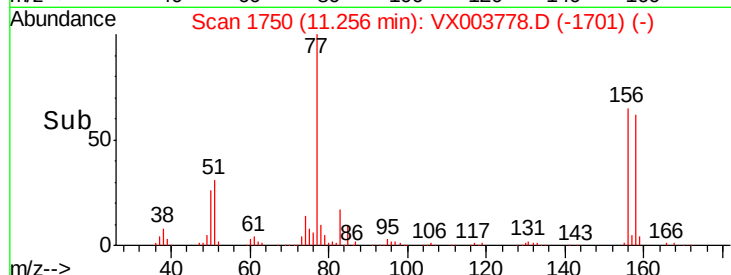
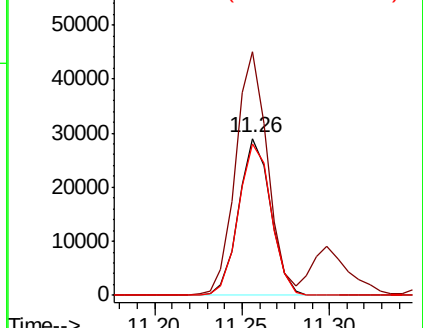
apatel
8/1/2018 6:54:51 PM



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: 58.62 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX003778.D

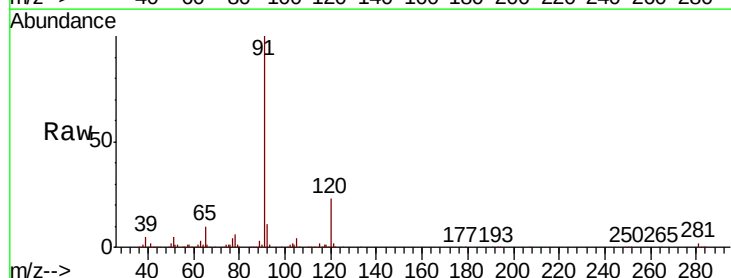
Acq: 01 Aug 2018 04:44

Tgt Ion: 91 Resp: 163955

Ion Ratio Lower Upper

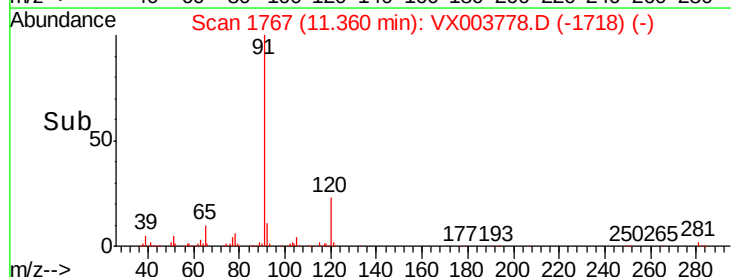
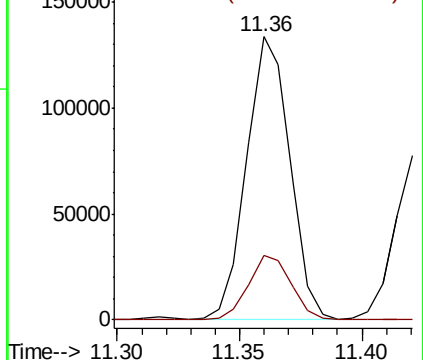
91 100

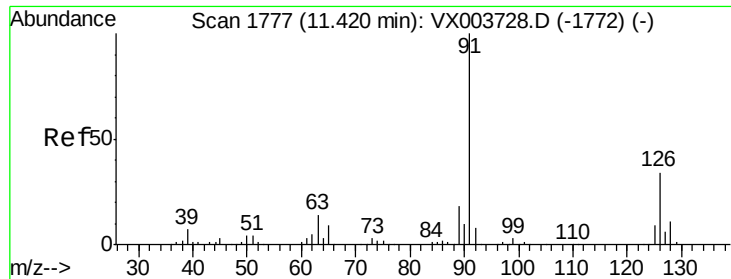
120 22.6 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





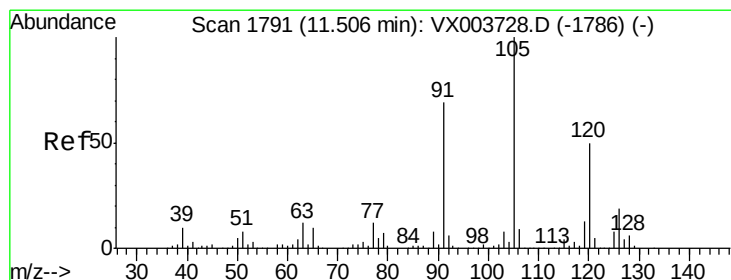
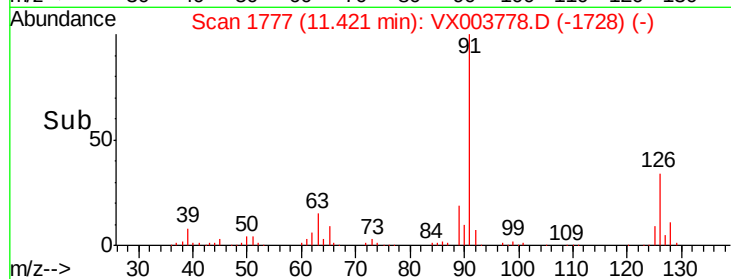
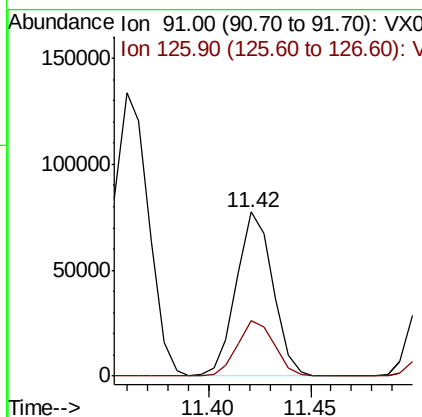
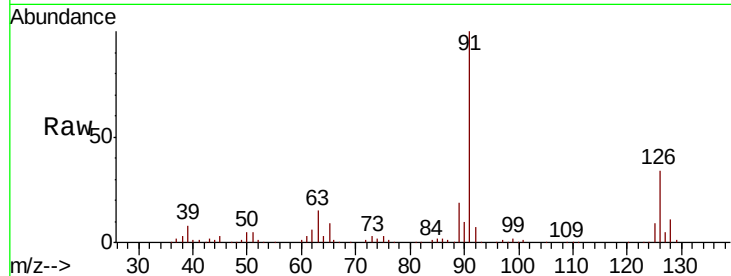
#79
 2-Chlorotoluene
 Concen: 60.36 ug/l
 RT: 11.42 min Scan# 1777
 Delta R.T. 0.00 min
 Lab File: VX003778.D
 Acq: 01 Aug 2018 04:44

Instrument :
 MSVOA_X
 ClientSampled :
 SB-1(3-5)MSD

Tot Ion: 91 Resp: 95846
 Ion Ratio Lower Upper
 91 100
 126 34.6 17.6 52.8

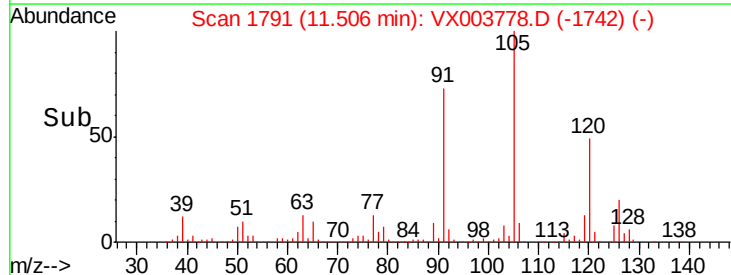
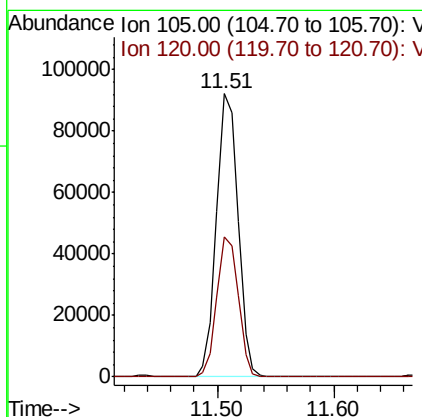
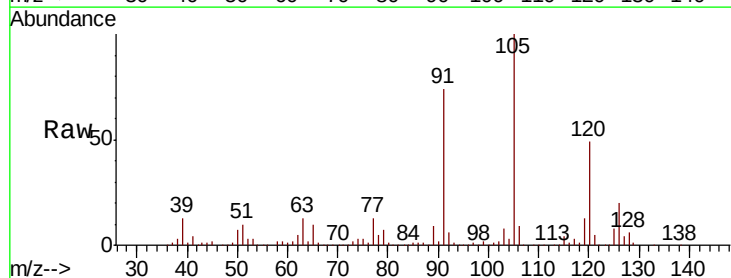
Manual Integrations
 APPROVED

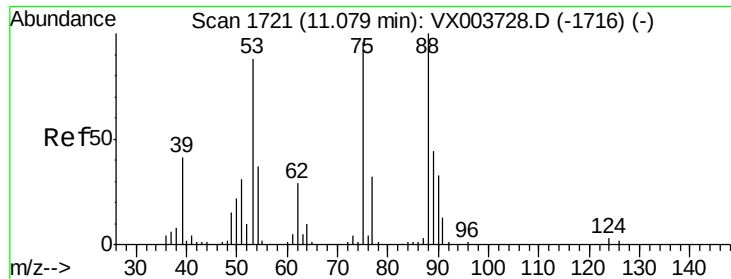
apatel
 8/1/2018 6:54:51 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 59.75 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX003778.D
 Acq: 01 Aug 2018 04:44

Tgt Ion: 105 Resp: 117744
 Ion Ratio Lower Upper
 105 100
 120 49.3 15.8 47.4#





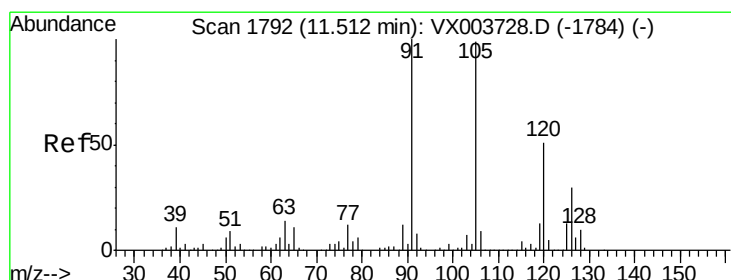
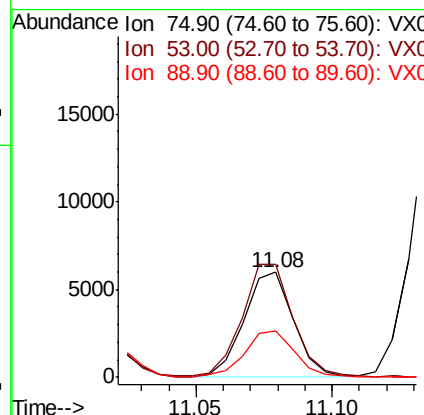
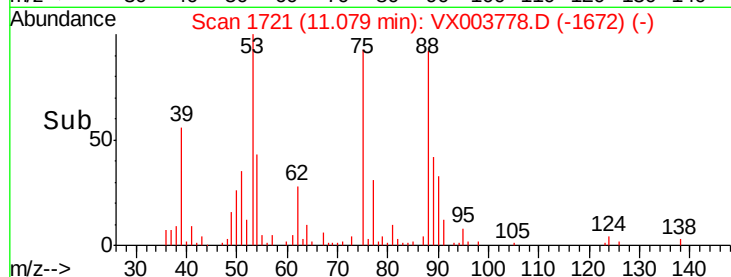
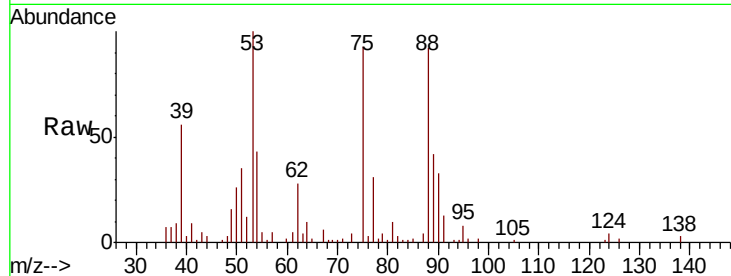
#81
trans-1,4-Dichloro-2-butene
Concen: 44.28 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX003778.D
Acq: 01 Aug 2018 04:44

Instrument :
MSVOA_X
ClientSampled :
SB-1(3-5)MSD

Tot Ion	Ratio	Lower	Upper
75	100		
53	110.8	75.8	113.8
89	44.2	39.1	58.7

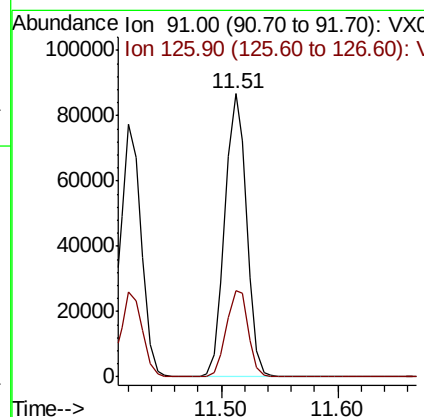
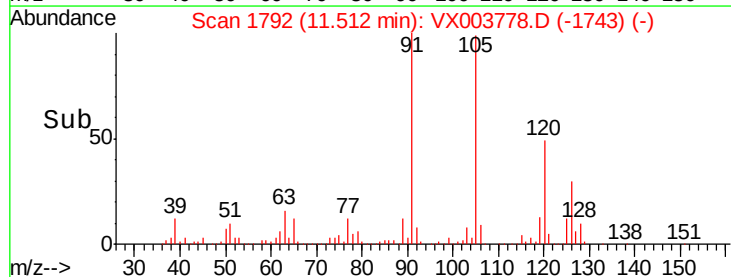
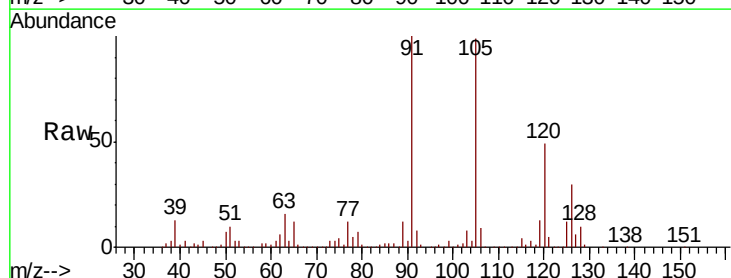
Manual Integrations
APPROVED

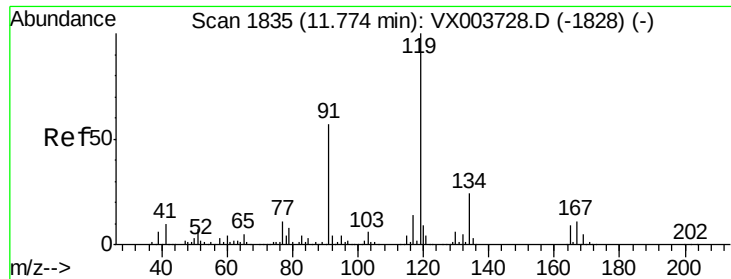
apatel
8/1/2018 6:54:51 PM



#82
4-Chlorotoluene
Concen: 57.65 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003778.D
Acq: 01 Aug 2018 04:44

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.7	15.6	46.7





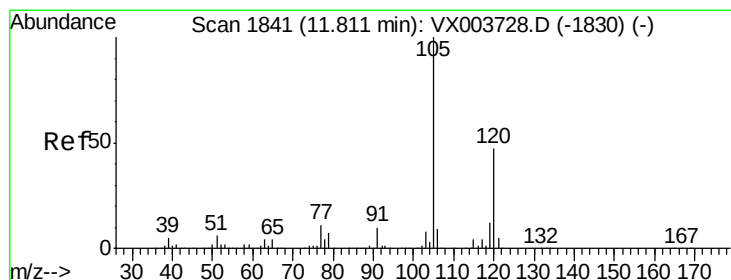
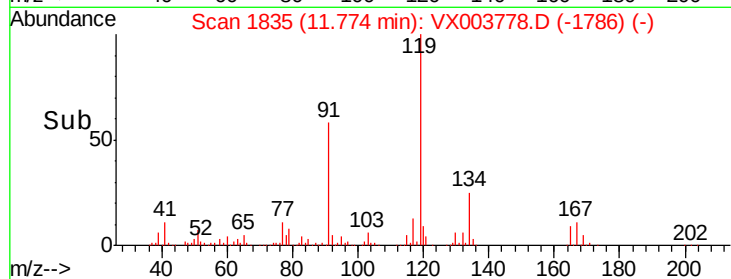
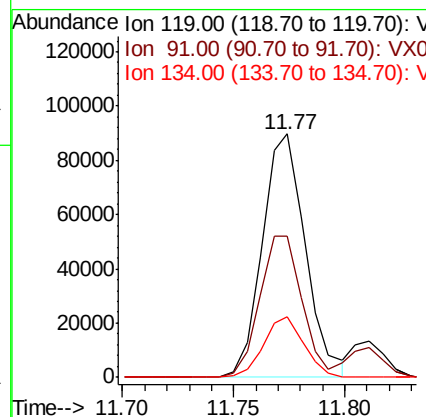
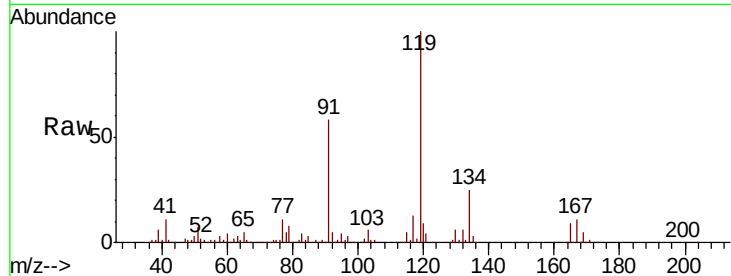
#83
 tert-Butylbenzene
 Concen: 61.81 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003778.D
 Acq: 01 Aug 2018 04:44

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-1(3-5)MSD

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.2	27.2	81.6
134	23.4	11.6	34.8

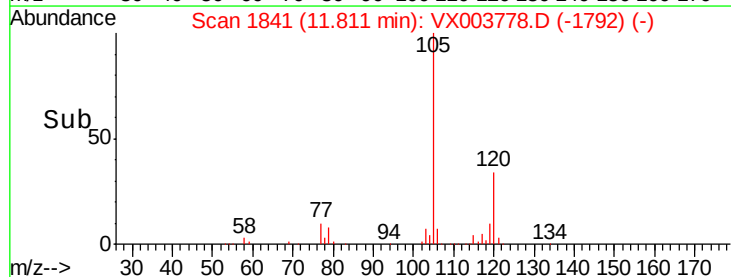
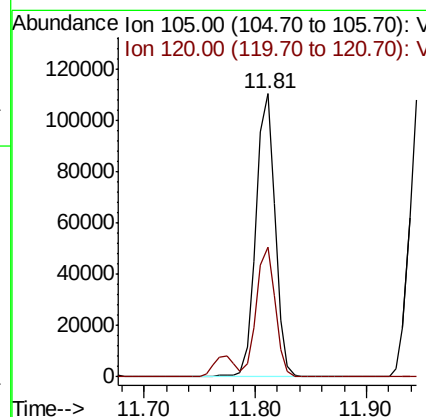
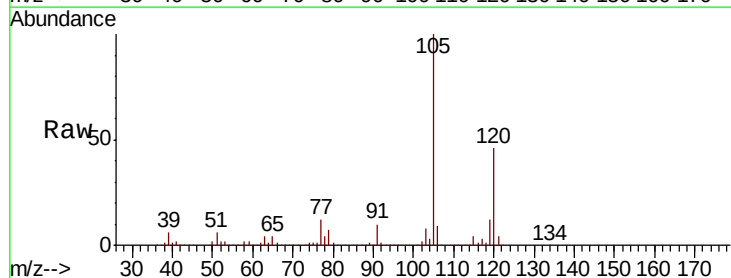
Manual Integrations
 APPROVED

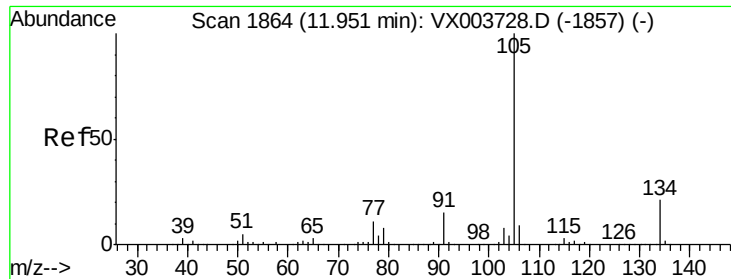
apatel
 8/1/2018 6:54:51 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 65.41 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003778.D
 Acq: 01 Aug 2018 04:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	23.1	69.2





#85

sec-Butylbenzene

Concen: 54.72 ug/l

RT: 11.94 min Scan# 1863

Delta R.T. -0.01 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

Instrument :

MSVOA_X

ClientSampleId :

SB-1(3-5)MSD

Tot Ion:105 Resp: 136448

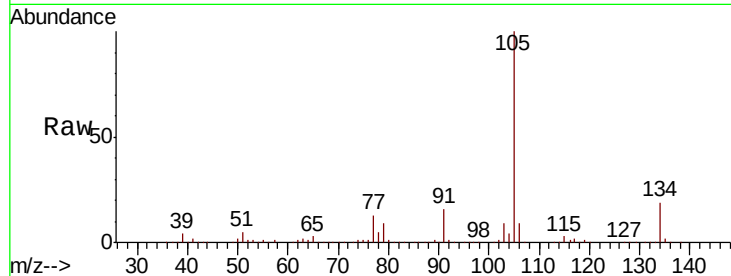
Ion Ratio Lower Upper

105 100

134 19.9 10.3 30.8

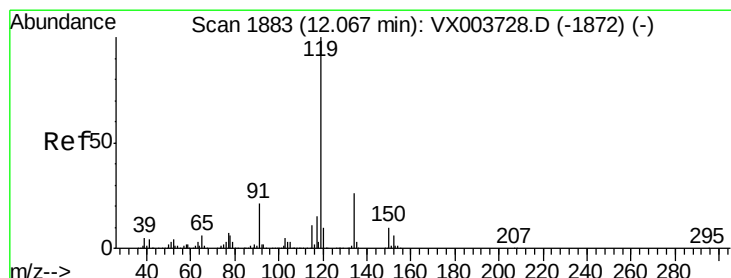
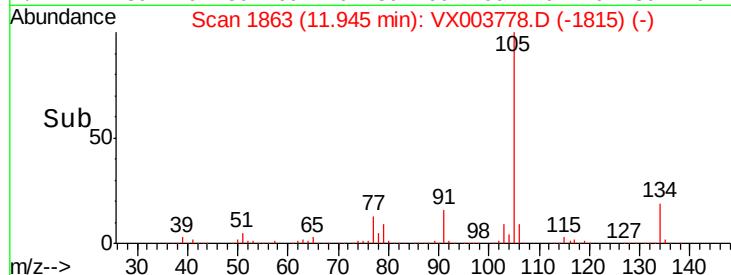
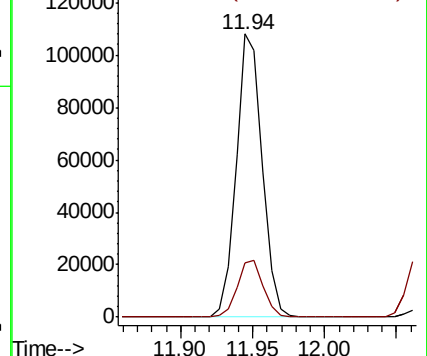
Manual Integrations
APPROVED

apatel
8/1/2018 6:54:51 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.29 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

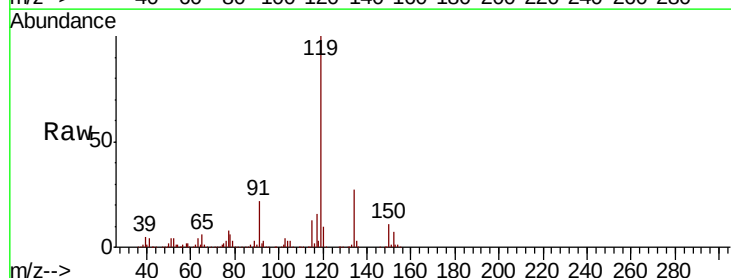
Tgt Ion:119 Resp: 120781

Ion Ratio Lower Upper

119 100

134 26.4 10.1 30.1

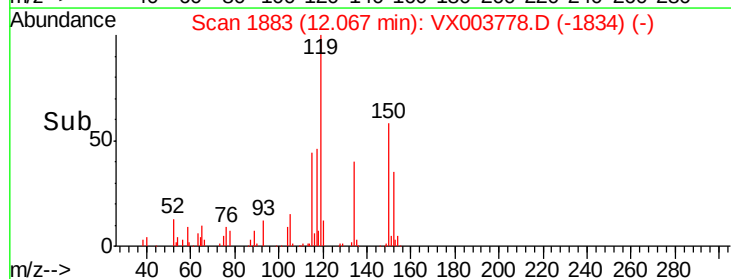
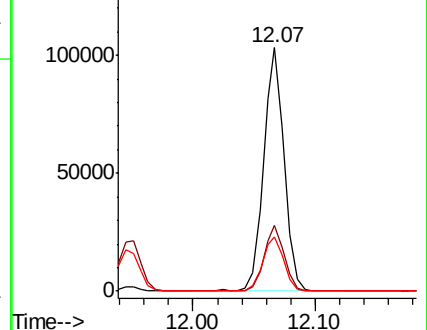
91 23.2 23.6 70.8#

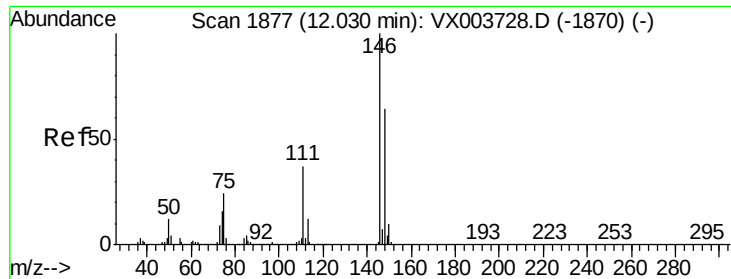


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





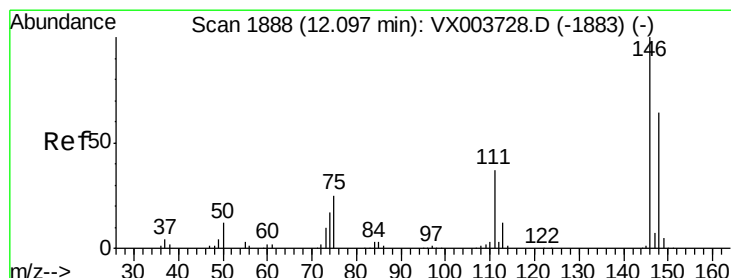
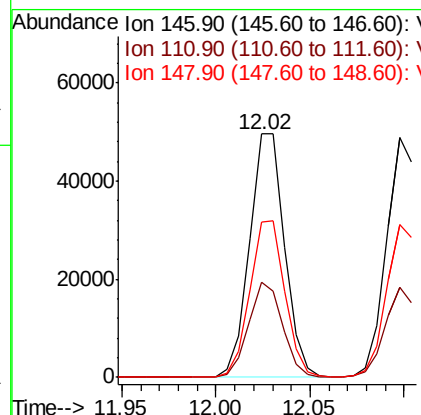
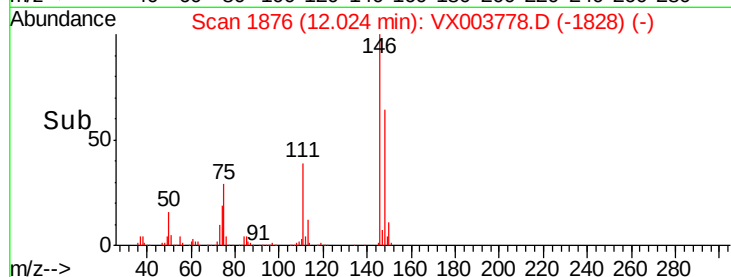
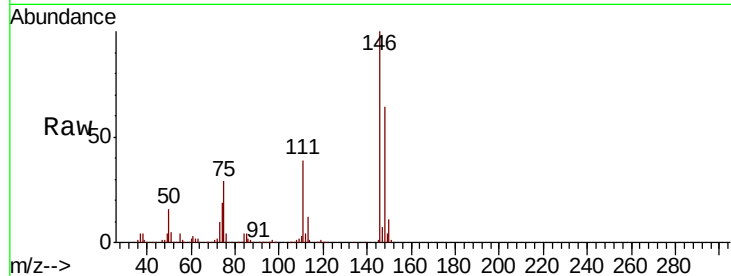
#87
 1,3-Dichlorobenzene
 Concen: 52.58 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. -0.01 min
 Lab File: VX003778.D
 Acq: 01 Aug 2018 04:44

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-1(3-5)MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.8	56.3
148	64.4	31.9	95.9

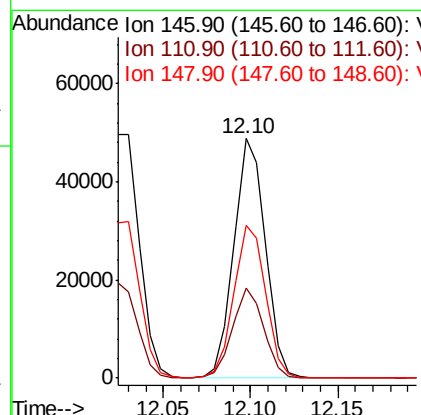
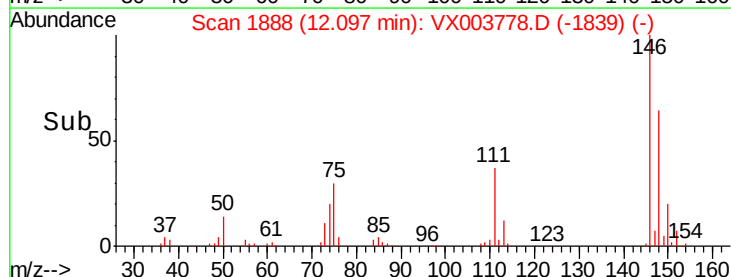
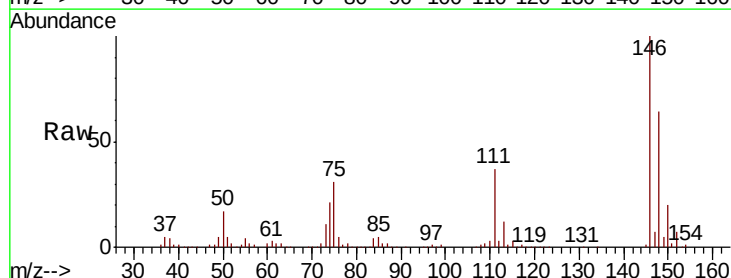
Manual Integrations
 APPROVED

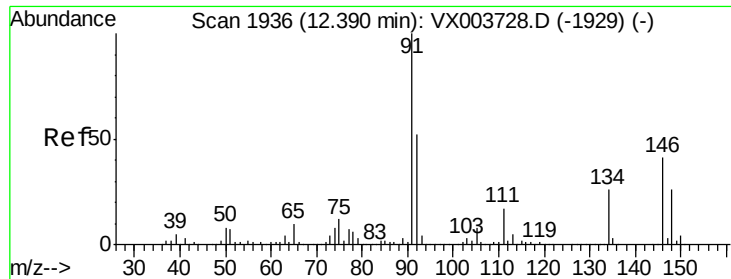
apatel
 8/1/2018 6:54:51 PM



#88
 1,4-Dichlorobenzene
 Concen: 49.19 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. 0.00 min
 Lab File: VX003778.D
 Acq: 01 Aug 2018 04:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.3	54.9
148	64.2	32.0	96.2





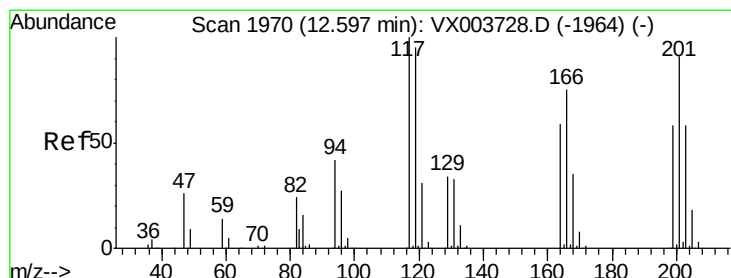
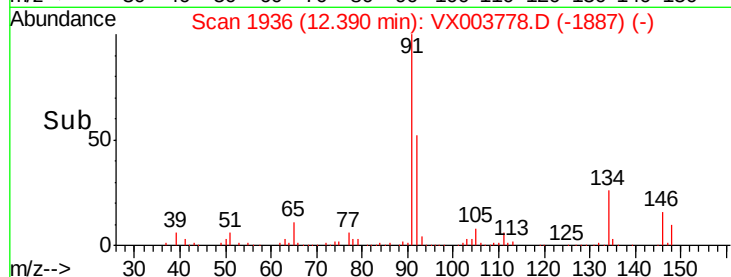
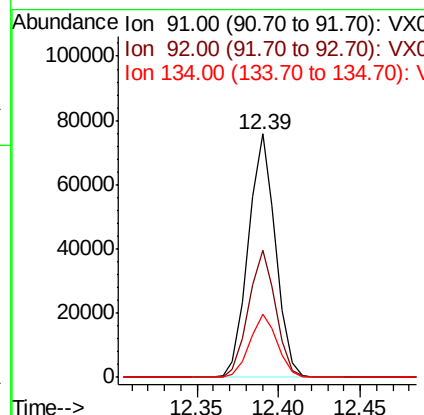
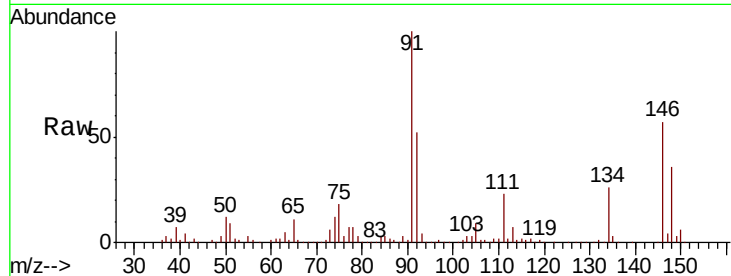
#89
n-Butylbenzene
Concen: 40.84 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003778.D
Acq: 01 Aug 2018 04:44

Instrument :
MSVOA_X
ClientSampleId :
SB-1(3-5)MSD

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.2	78.5
134	26.2	13.6	40.7

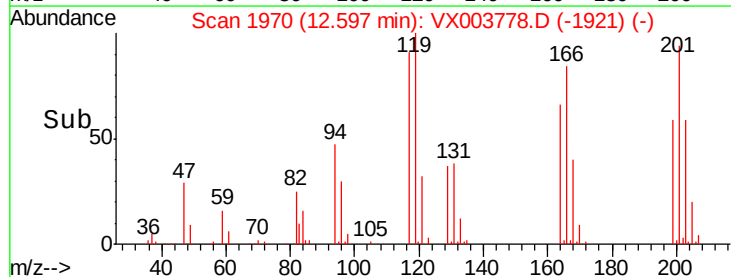
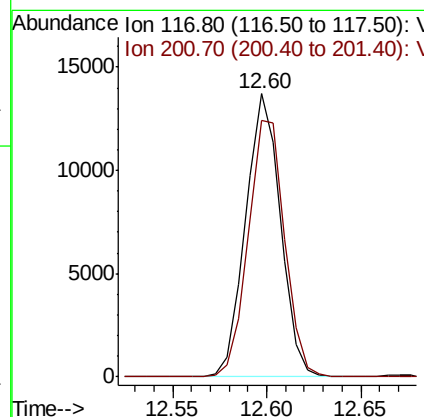
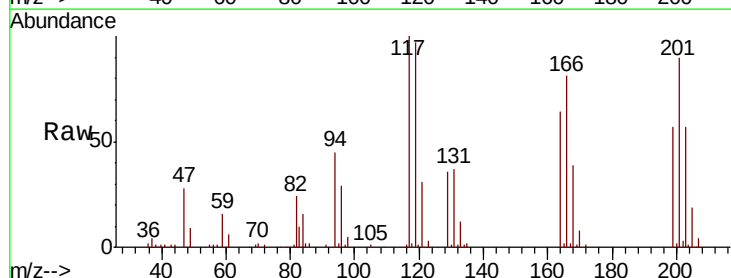
Manual Integrations
APPROVED

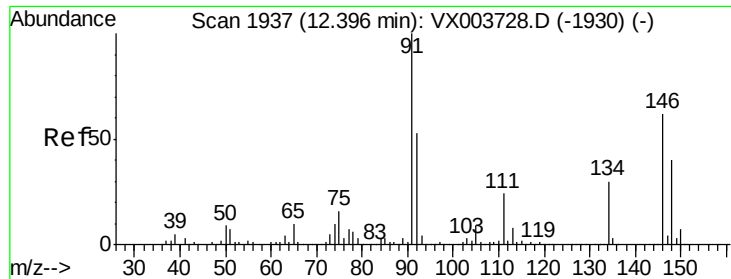
apatel
8/1/2018 6:54:51 PM



#90
Hexachloroethane
Concen: 52.19 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003778.D
Acq: 01 Aug 2018 04:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.5	49.3	147.8





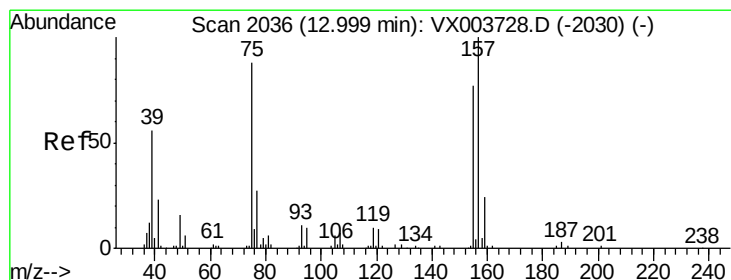
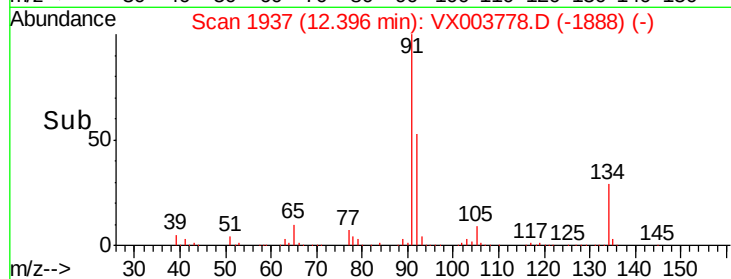
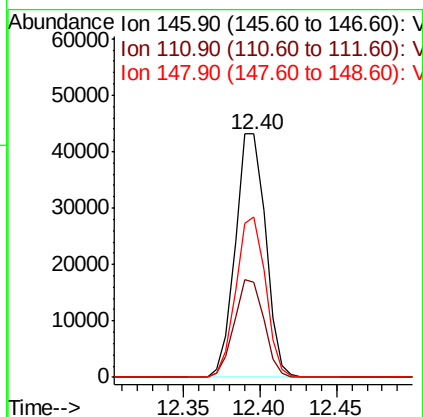
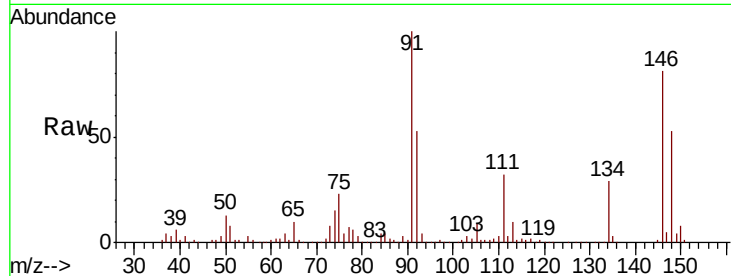
#91
 1,2-Dichlorobenzene
 Concen: 52.26 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003778.D
 Acq: 01 Aug 2018 04:44

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-1(3-5)MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.4	58.4
148	64.3	32.0	96.0

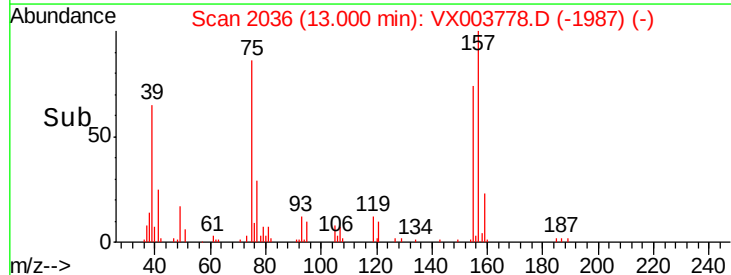
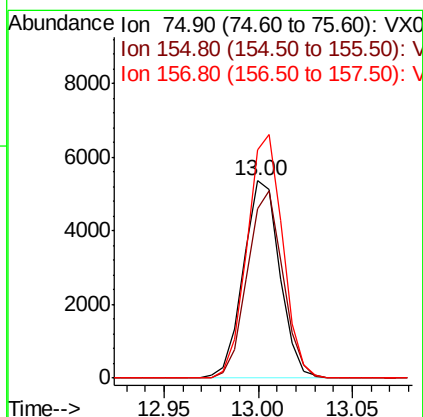
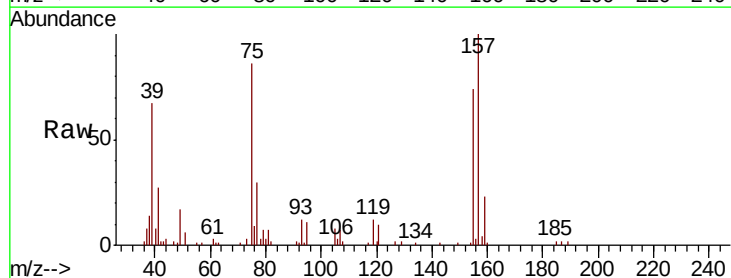
Manual Integrations
 APPROVED

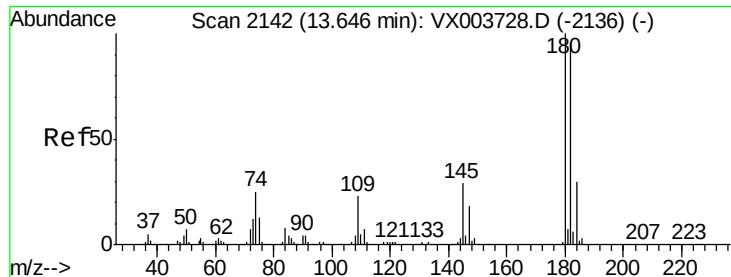
apatel
 8/1/2018 6:54:51 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 60.21 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VX003778.D
 Acq: 01 Aug 2018 04:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.4	48.9	146.7
157	120.5	63.7	191.1





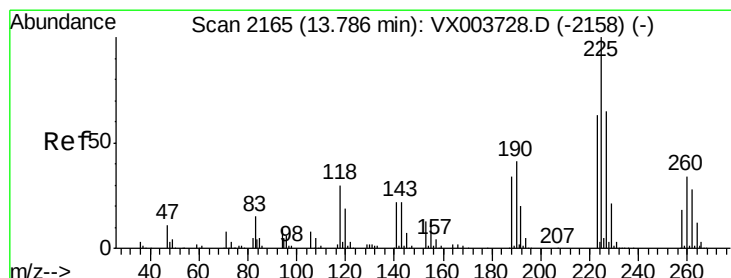
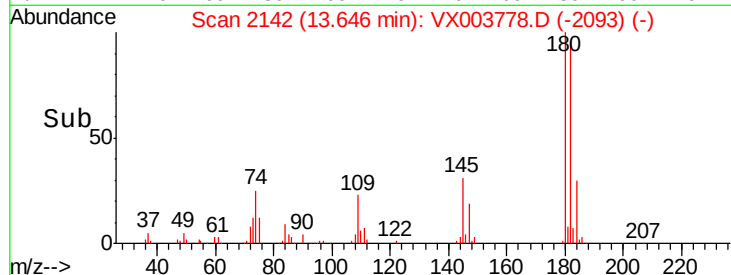
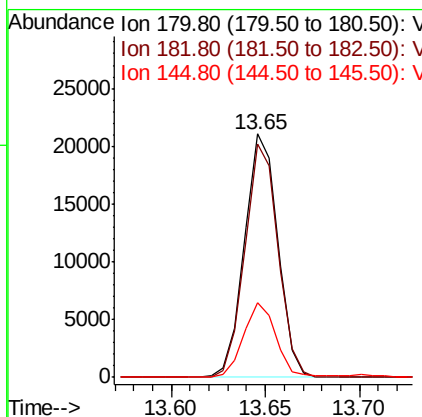
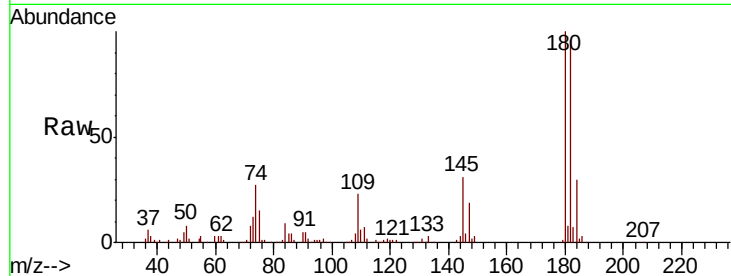
#93
 1,2,4-Trichlorobenzene
 Concen: 28.72 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VX003778.D
 Acq: 01 Aug 2018 04:44

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-1(3-5)MSD

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.6	142.9
145	30.4	14.1	42.2

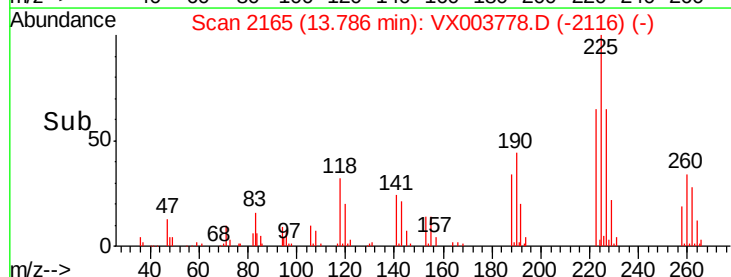
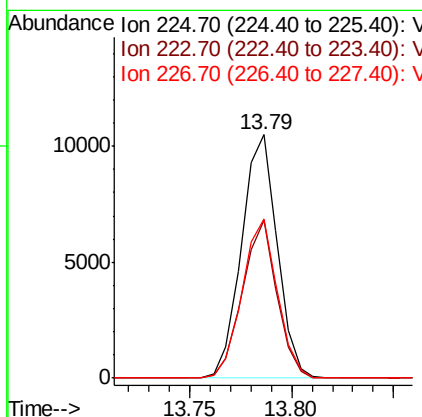
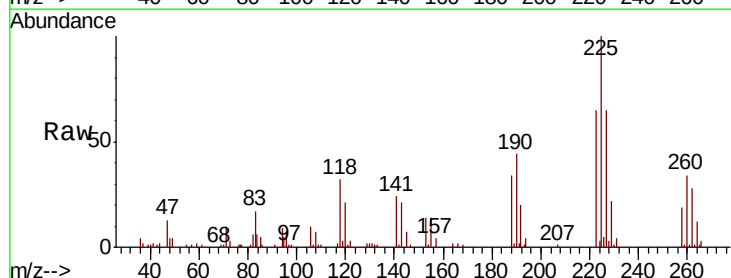
Manual Integrations
 APPROVED

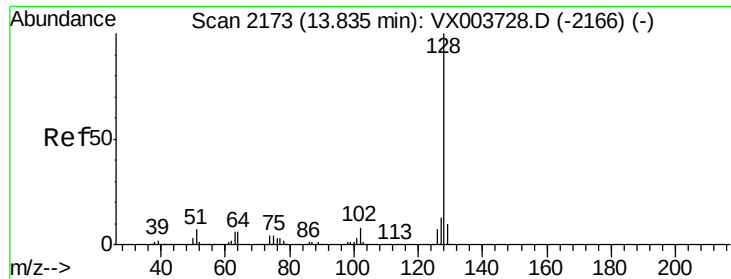
apatel
 8/1/2018 6:54:51 PM



#94
 Hexachlorobutadiene
 Concen: 22.13 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003778.D
 Acq: 01 Aug 2018 04:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.1	93.5
227	64.5	31.9	95.9





#95

Naphthalene

Concen: 78.50 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

Instrument :

MSVOA_X

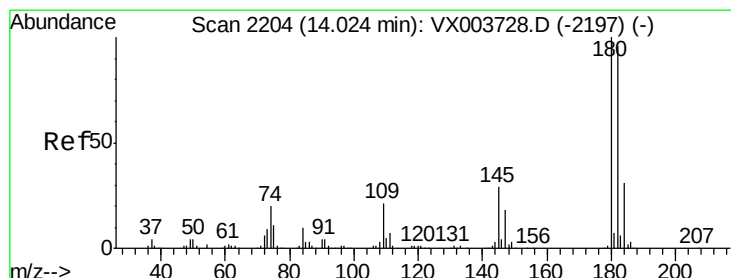
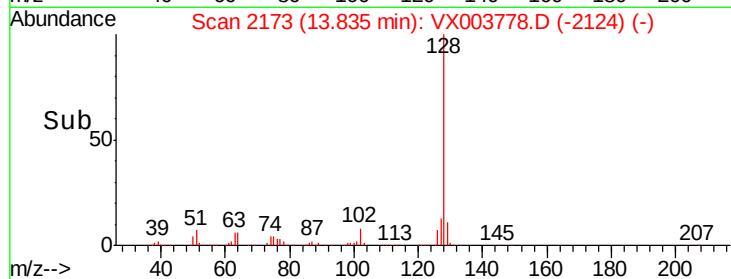
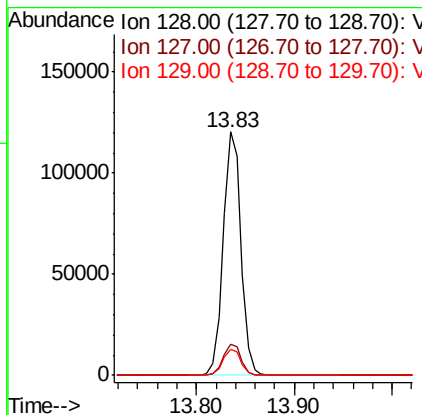
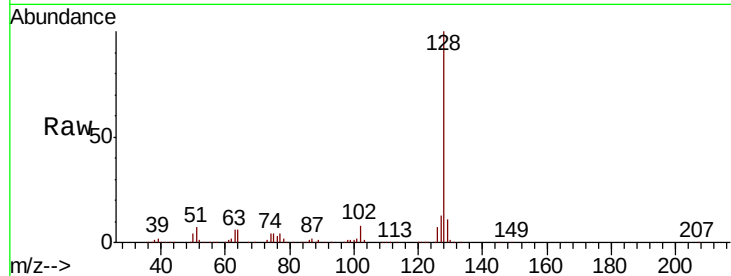
ClientSampleId :

SB-1(3-5)MSD

Tot Ion:	128	Resp:	150893
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.2	15.2
129	10.8	8.7	13.1

Manual Integrations
APPROVED

apatel
8/1/2018 6:54:51 PM



#96

1,2,3-Trichlorobenzene

Concen: 28.95 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

Tgt Ion:	180	Resp:	23636
Ion Ratio	Lower	Upper	
180	100		
182	95.4	47.9	143.8
145	33.6	14.7	44.1

