

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX030818\
 Data File : VX000227.D
 Acq On : 08 Mar 2018 18:29
 Operator : JC/MD
 Sample : VX0308MBS01
 Misc : 5.00µ/10mL/100uL5.0mL/MSVOA_X/MEOH
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0308MBS01

Manual Integrations
 APPROVED

apatel
 3/9/2018 9:38:25 AM

Quant Time: Mar 09 04:24:29 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X030718W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 08 02:15:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	131132	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	228397	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	225909	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	124854	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	90149	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	
35) Dibromofluoromethane	5.51	113	68542	47.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.54%	
50) Toluene-d8	8.73	98	276531	46.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.08%	
62) 4-Bromofluorobenzene	11.15	95	105787	45.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	26360	18.45	ug/l	96
3) Chloromethane	1.32	50	27794	19.92	ug/l	99
4) Vinyl Chloride	1.41	62	33204	20.42	ug/l	98
5) Bromomethane	1.64	94	28303	16.01	ug/l	96
6) Chloroethane	1.73	64	21590	21.03	ug/l	100
7) Trichlorofluoromethane	1.93	101	57456	21.30	ug/l	98
8) Diethyl Ether	2.20	74	20188	20.39	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	30471	20.23	ug/l	100
10) Methyl Iodide	2.51	142	25493	18.25	ug/l	99
11) Tert butyl alcohol	3.07	59	60075	89.94	ug/l	99
12) 1,1-Dichloroethene	2.38	96	28519	20.62	ug/l	98
13) Acrolein	2.30	56	43044	122.58	ug/l	97
14) Allyl chloride	2.73	41	51548	20.18	ug/l	98
15) Acrylonitrile	3.15	53	118489	101.93	ug/l	98
16) Acetone	2.45	43	136742	104.75	ug/l	98
17) Carbon Disulfide	2.57	76	72980	19.26	ug/l	99
18) Methyl Acetate	2.79	43	55983	20.14	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	106714	21.67	ug/l	99
20) Methylene Chloride	2.87	84	32417	20.82	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	31480	20.70	ug/l	98
22) Diisopropyl ether	3.89	45	79290	18.07	ug/l	97
23) Vinyl Acetate	3.84	43	375648	88.84	ug/l	98
24) 1,1-Dichloroethane	3.71	63	54393	20.22	ug/l	99
25) 2-Butanone	4.73	43	154229	95.73	ug/l	98
26) 2,2-Dichloropropane	4.60	77	37216	18.93	ug/l	99
27) cis-1,2-Dichloroethene	4.62	96	28810	19.98	ug/l	98
28) Bromochloromethane	5.03	49	25540	22.34	ug/l	99
29) Tetrahydrofuran	5.18	42	93160	92.07	ug/l	98
30) Chloroform	5.23	83	50637	19.47	ug/l	95
31) Cyclohexane	5.59	56	39476	19.85	ug/l	95
32) 1,1,1-Trichloroethane	5.51	97	44154	19.58	ug/l	97
36) 1,1-Dichloropropene	5.81	75	38166	18.78	ug/l	98
37) Ethyl Acetate	4.88	43	51637	17.58	ug/l	100
38) Carbon Tetrachloride	5.79	117	36945	17.96	ug/l	98

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX030818\
 Data File : VX000227.D
 Acq On : 08 Mar 2018 18:29
 Operator : JC/MD
 Sample : VX0308MBS01
 Misc : 5.00µ/10mL/100uL5.0mL/MSVOA_X/MEOH
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0308MBS01

Manual Integrations
 APPROVED

apatel
 3/9/2018 9:38:25 AM

Quant Time: Mar 09 04:24:29 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X030718W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 08 02:15:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	45146	18.10	ug/l	94
40) Benzene	6.15	78	110501	18.85	ug/l	99
41) Methacrylonitrile	5.08	41	27230	18.19	ug/l	99
42) 1,2-Dichloroethane	6.21	62	44391	19.31	ug/l	100
43) Isopropyl Acetate	6.48	43	78225	18.42	ug/l	99
44) Trichloroethene	7.22	130	32006	19.08	ug/l	99
45) 1,2-Dichloropropane	7.52	63	28633	19.29	ug/l	93
46) Dibromomethane	7.67	93	22235	18.93	ug/l	98
47) Bromodichloromethane	7.91	83	39250	19.00	ug/l	99
48) Methyl methacrylate	7.79	41	37364	17.86	ug/l	99
49) 1,4-Dioxane	7.77	88	16480	347.09	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	297748	92.90	ug/l	98
52) Toluene	8.79	92	76608	19.07	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	45168	18.55	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	45207	19.19	ug/l	99
55) 1,1,2-Trichloroethane	9.23	97	30944	19.02	ug/l	97
56) Ethyl methacrylate	9.19	69	47934	19.69	ug/l	97
57) 1,3-Dichloropropane	9.38	76	51872	18.99	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	126012	102.50	ug/l	99
59) 2-Hexanone	9.51	43	248336	90.87	ug/l	99
60) Dibromochloromethane	9.59	129	31033	18.09	ug/l	98
61) 1,2-Dibromoethane	9.68	107	33764	18.69	ug/l	99
64) Tetrachloroethene	9.34	164	28969	18.33	ug/l	94
65) Chlorobenzene	10.15	112	87499	19.18	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	29798	19.10	ug/l	98
67) Ethyl Benzene	10.26	91	150865	18.95	ug/l	99
68) m/p-Xylenes	10.37	106	117959	38.49	ug/l	99
69) o-Xylene	10.71	106	56685	19.25	ug/l	96
70) Styrene	10.72	104	94766	19.40	ug/l	99
71) Bromoform	10.87	173	23783	17.13	ug/l #	97
73) Isopropylbenzene	11.02	105	152012	19.45	ug/l	99
74) N-amyl acetate	6.48	43	78225	19.56	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	55046	20.09	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	49036m	19.59	ug/l	
77) Bromobenzene	11.26	156	39049	19.32	ug/l	97
78) n-propylbenzene	11.37	91	180248	19.59	ug/l	98
79) 2-Chlorotoluene	11.43	91	104064	20.05	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	129130	19.79	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.09	75	14776	18.08	ug/l	93
82) 4-Chlorotoluene	11.52	91	128776	20.41	ug/l	97
83) tert-Butylbenzene	11.78	119	128498	20.23	ug/l	99
84) 1,2,4-Trimethylbenzene	11.82	105	137501	20.49	ug/l	98
85) sec-Butylbenzene	11.96	105	160911	20.03	ug/l	100
86) p-Isopropyltoluene	12.07	119	142798	20.16	ug/l	99
87) 1,3-Dichlorobenzene	12.04	146	76126	19.81	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	77694	19.29	ug/l	98
89) n-Butylbenzene	12.40	91	136559	20.02	ug/l	99
90) Hexachloroethane	12.60	117	21315	18.68	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	75568	19.86	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	14935	19.41	ug/l	92

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX030818\
Data File : VX000227.D
Acq On : 08 Mar 2018 18:29
Operator : JC/MD
Sample : VX0308MBS01
Misc : 5.00g/10mL/100uL5.0mL/MSVOA_X/MEOH
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0308MBS01

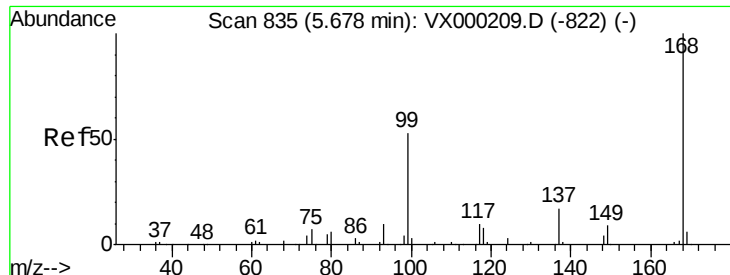
Manual Integrations
APPROVED

apatel
3/9/2018 9:38:25 AM

Quant Time: Mar 09 04:24:29 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X030718W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 08 02:15:47 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	53782	19.43	ug/l	99
94) Hexachlorobutadiene	13.79	225	21456	18.63	ug/l	97
95) Naphthalene	13.84	128	197155	20.42	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	52840	19.30	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.00 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

Instrument :

MSVOA_X

ClientSampled :

VX0308MBS01

Tot Ion:168 Resp: 131132

Ion Ratio Lower Upper

168 100

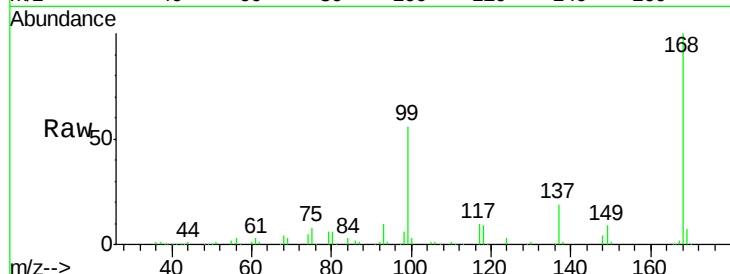
99 56.1 42.8 64.2

Manual Integrations

APPROVED

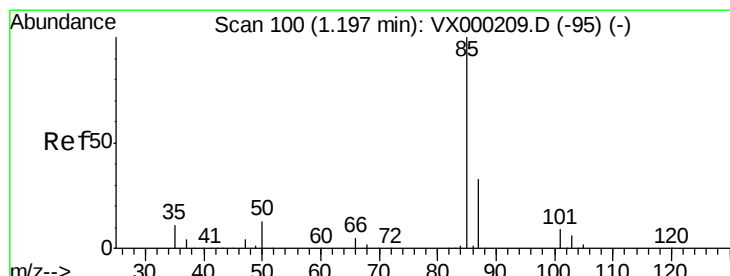
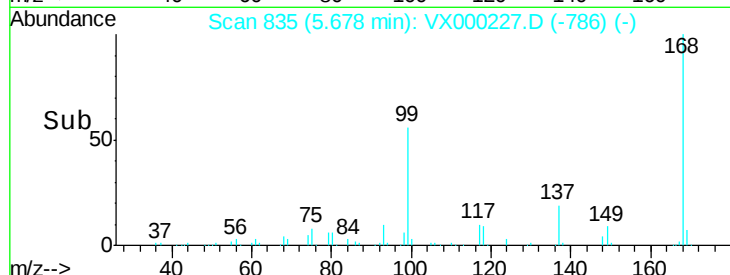
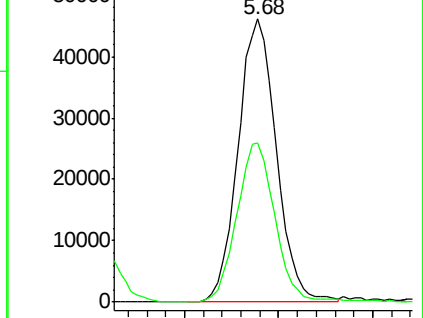
apatel

3/9/2018 9:38:25 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 18.45 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX000227.D

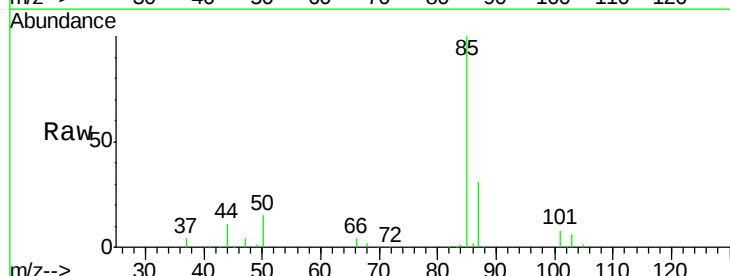
Acq: 08 Mar 2018 18:29

Tgt Ion: 85 Resp: 26360

Ion Ratio Lower Upper

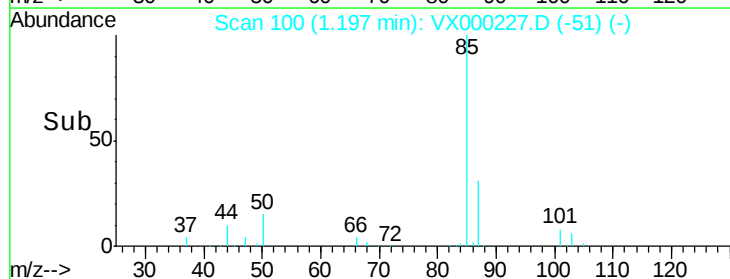
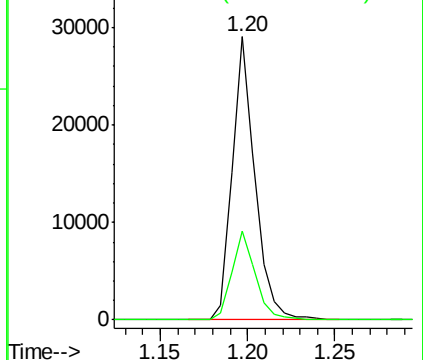
85 100

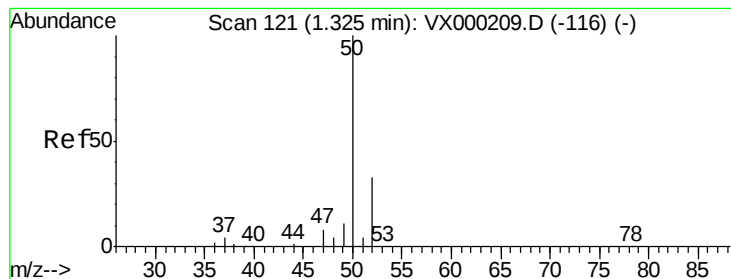
87 31.2 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 19.92 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

Instrument :

MSVOA_X

ClientSampleId :

VX0308MBS01

Tot Ion: 50 Resp: 27794

Ion Ratio Lower Upper

50 100

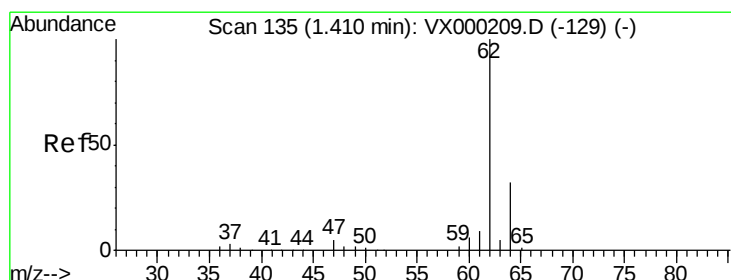
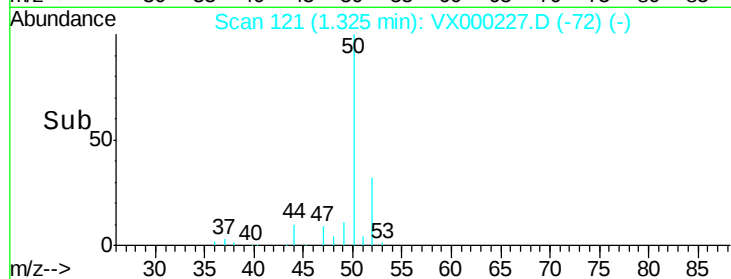
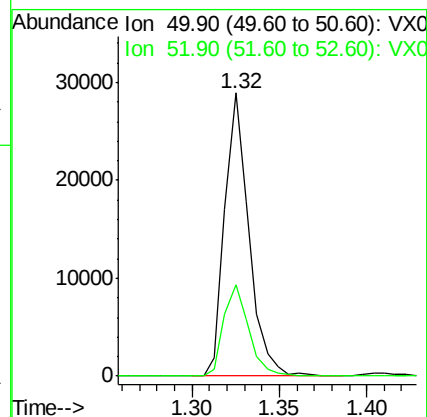
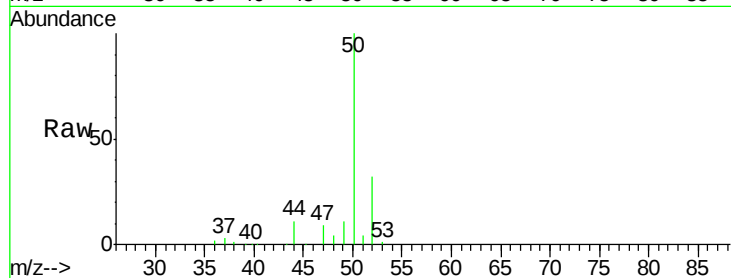
52 32.1 26.2 39.2

Manual Integrations

APPROVED

apatel

3/9/2018 9:38:25 AM



#4

Vinyl Chloride

Concen: 20.42 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX000227.D

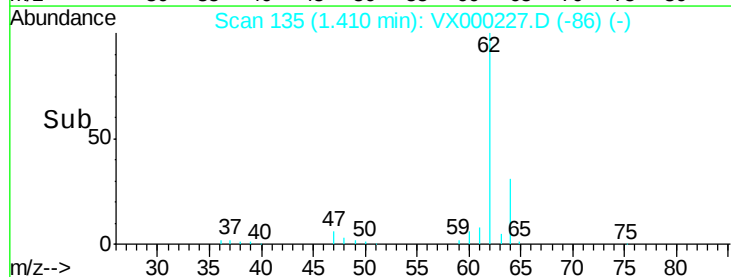
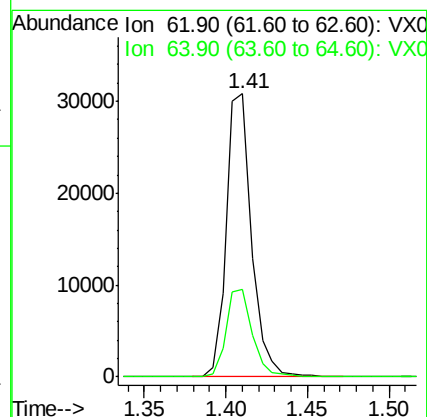
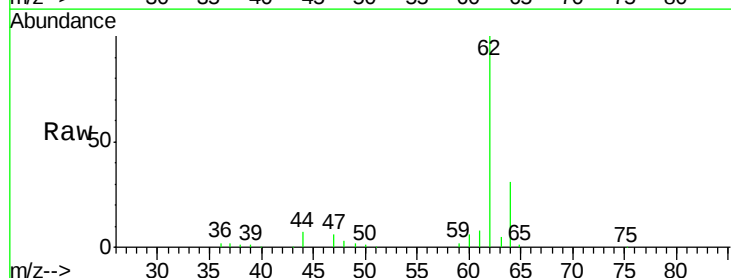
Acq: 08 Mar 2018 18:29

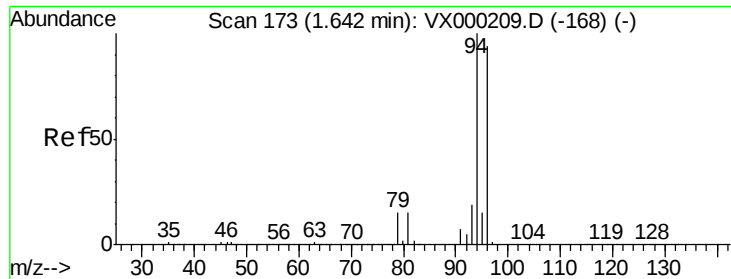
Tgt Ion: 62 Resp: 33204

Ion Ratio Lower Upper

62 100

64 30.8 25.7 38.5





#5

Bromomethane

Concen: 16.01 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.00 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

Instrument :

MSVOA_X

ClientSampleId :

VX0308MBS01

Tot Ion: 94 Resp: 28303

Ion Ratio Lower Upper

94 100

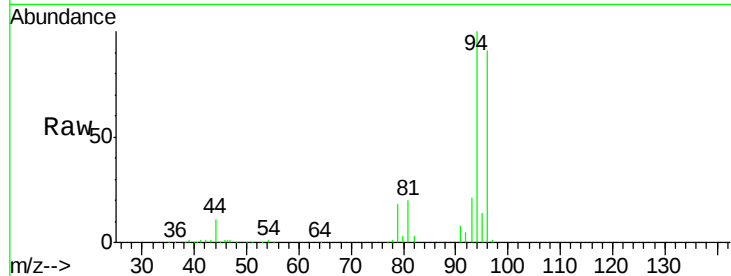
96 90.6 75.3 112.9

Manual Integrations

APPROVED

apatel

3/9/2018 9:38:25 AM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

25000

20000

15000

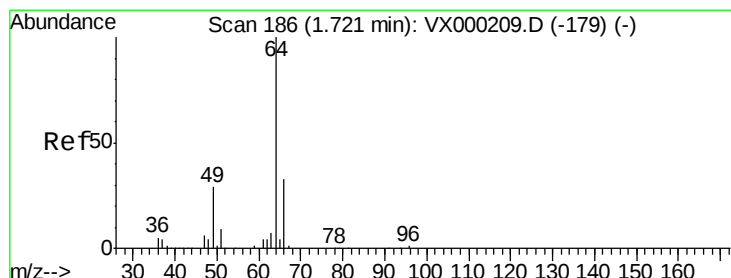
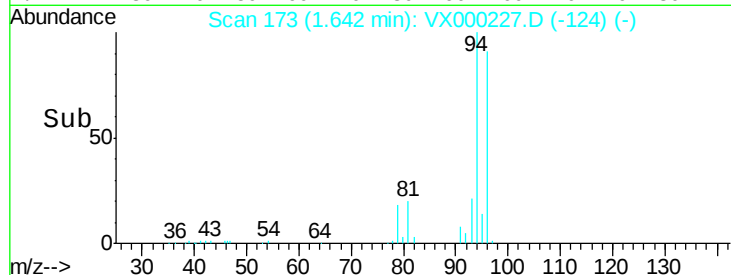
10000

5000

0

Time-->

1.55 1.60 1.65 1.70 1.75



#6

Chloroethane

Concen: 21.03 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX000227.D

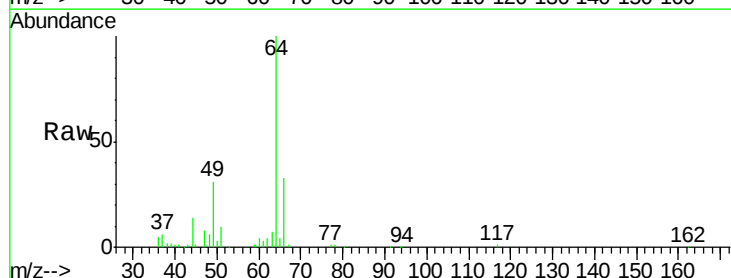
Acq: 08 Mar 2018 18:29

Tgt Ion: 64 Resp: 21590

Ion Ratio Lower Upper

64 100

66 32.9 26.2 39.4



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.73

15000

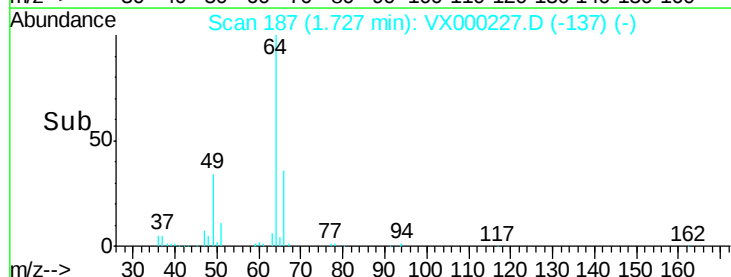
10000

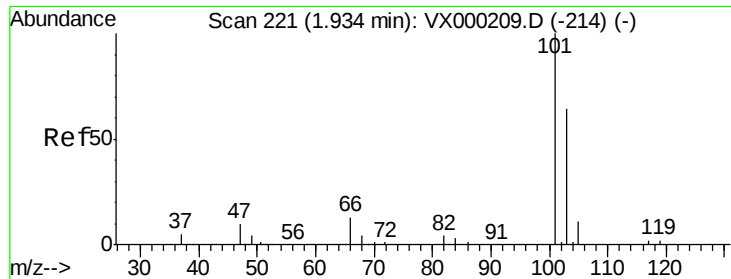
5000

0

Time-->

1.65 1.70 1.75 1.80





#7

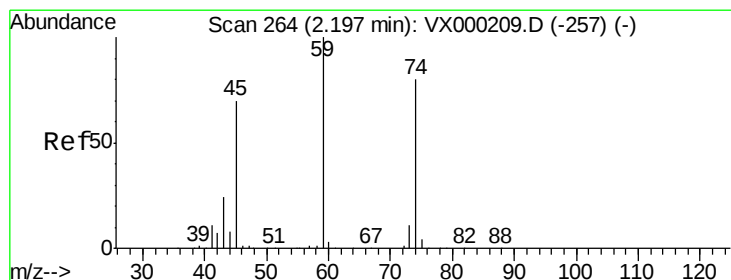
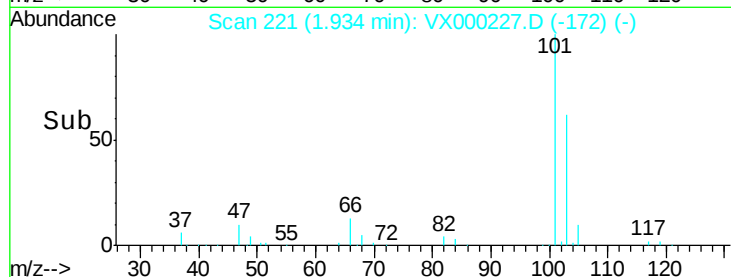
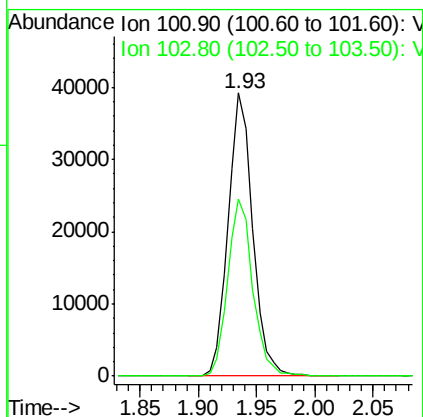
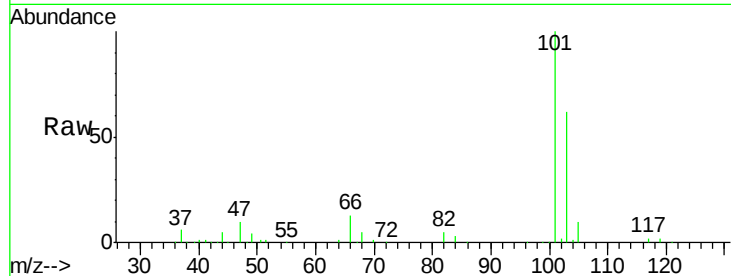
Trichlorofluoromethane
Concen: 21.30 ug/l
RT: 1.93 min Scan# 221
Delta R.T. 0.00 min
Lab File: VX000227.D
Acq: 08 Mar 2018 18:29

Instrument :
MSVOA_X
ClientSampleId :
VX0308MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.5	51.2	76.8

Manual Integrations
APPROVED

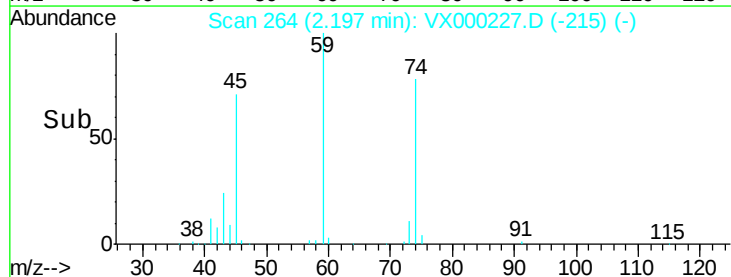
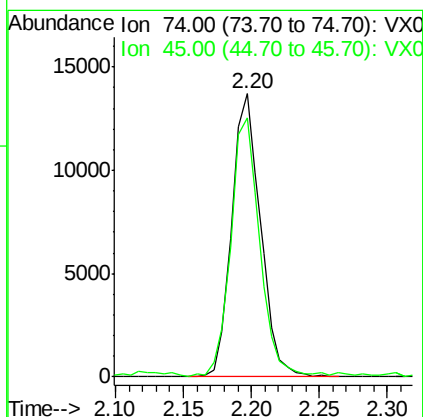
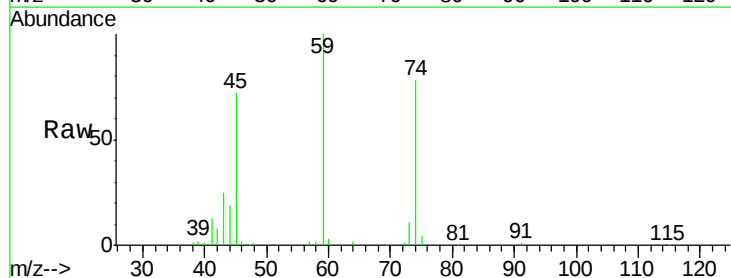
apatel
3/9/2018 9:38:25 AM

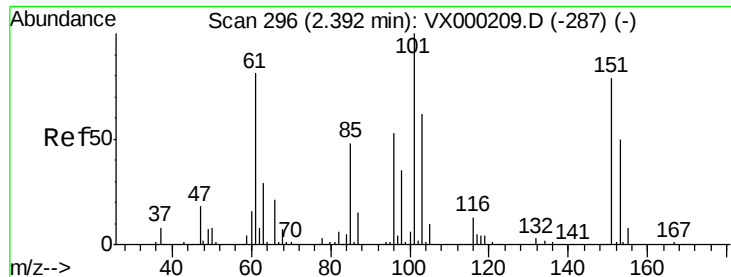


#8

Diethyl Ether
Concen: 20.39 ug/l
RT: 2.20 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX000227.D
Acq: 08 Mar 2018 18:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.2	47.2	141.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.23 ug/l

RT: 2.39 min Scan# 296

Delta R.T. 0.00 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

Instrument :

MSVOA_X

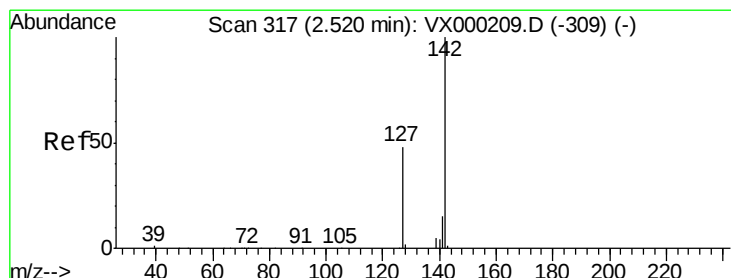
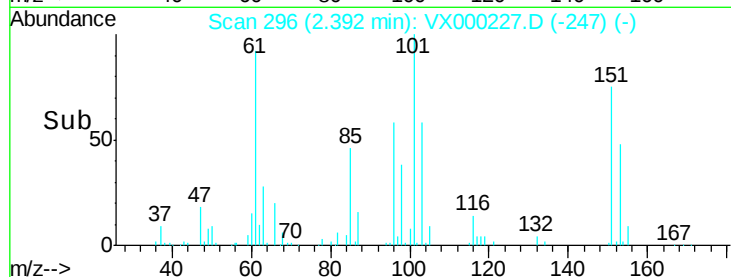
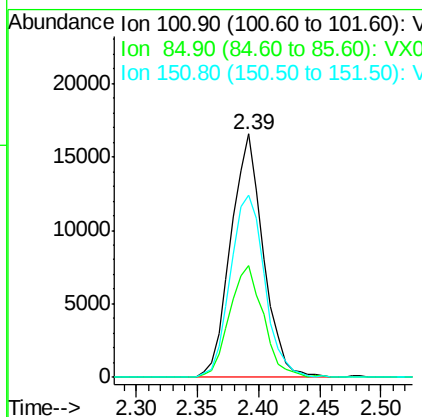
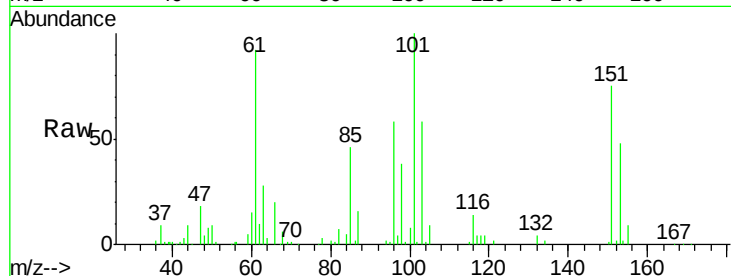
ClientSampleId :

VX0308MBS01

Tot Ion:	101	Resp:	30471
Ion Ratio	Lower	Upper	
101	100		
85	48.1	38.3	57.5
151	78.9	62.8	94.2

Manual Integrations
APPROVED

apatel
3/9/2018 9:38:25 AM



#10

Methyl Iodide

Concen: 18.25 ug/l

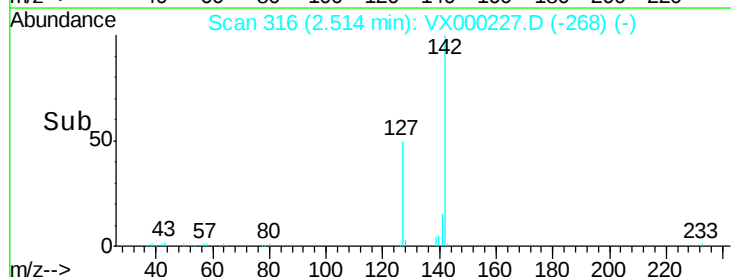
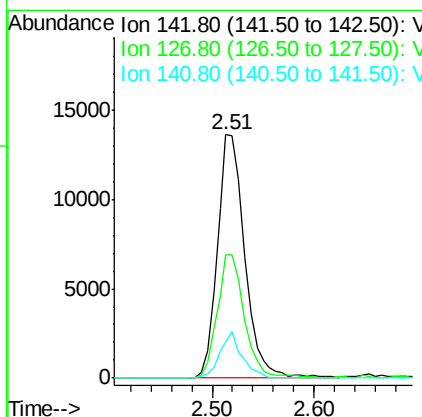
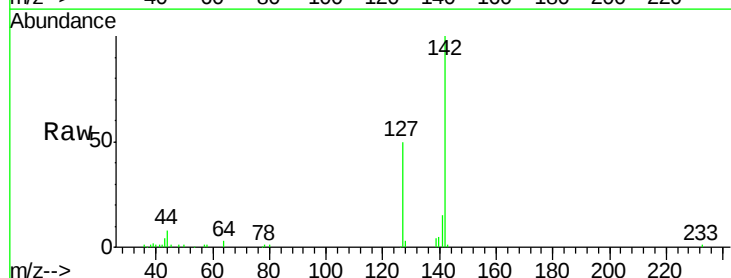
RT: 2.51 min Scan# 316

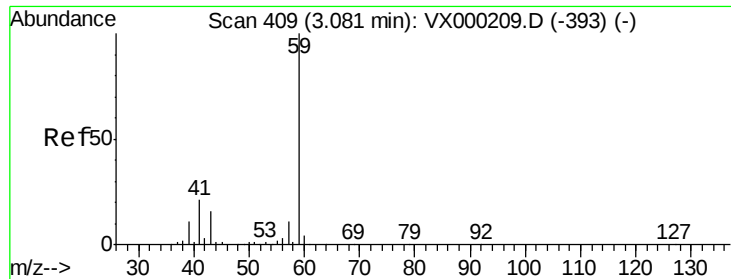
Delta R.T. -0.01 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

Tgt Ion:	142	Resp:	25493
Ion Ratio	Lower	Upper	
142	100		
127	49.7	39.0	58.6
141	15.3	11.6	17.4





#11

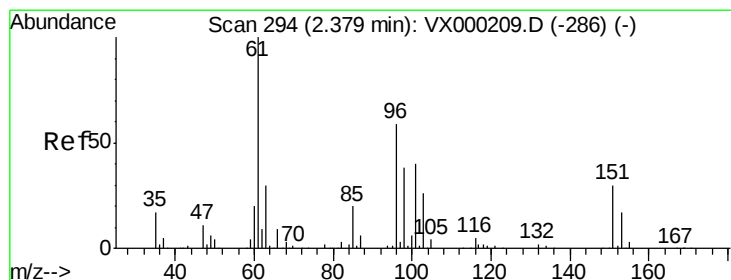
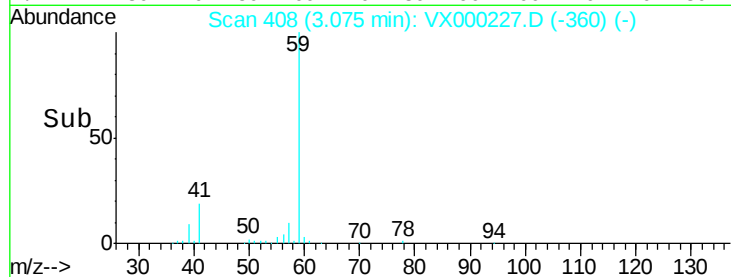
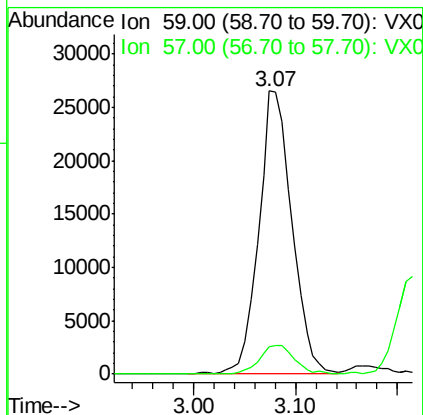
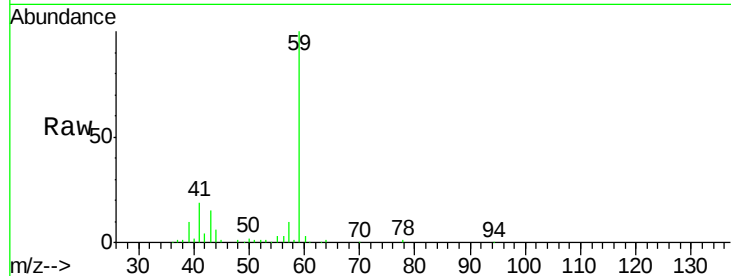
Tert butyl alcohol
Concen: 89.94 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX000227.D
Acq: 08 Mar 2018 18:29

Instrument :
MSVOA_X
ClientSampleId :
VX0308MBS01

Tot Ion	59	Resp	60075
Ion Ratio	100	Lower	Upper
57	10.7	8.4	12.6

Manual Integrations
APPROVED

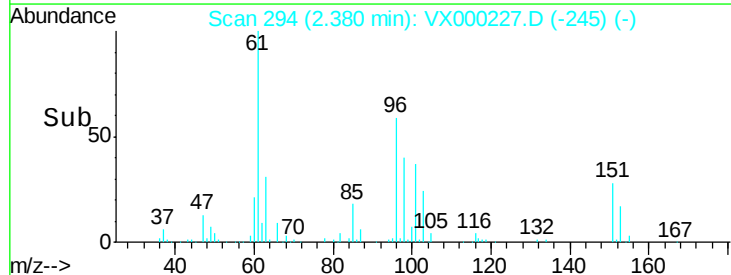
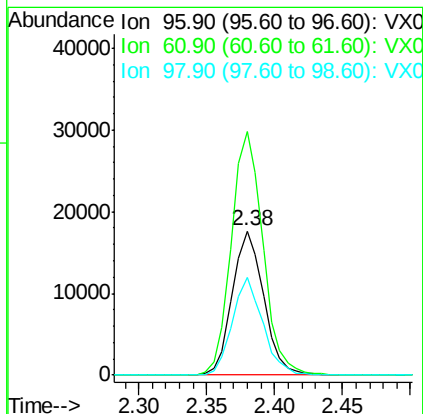
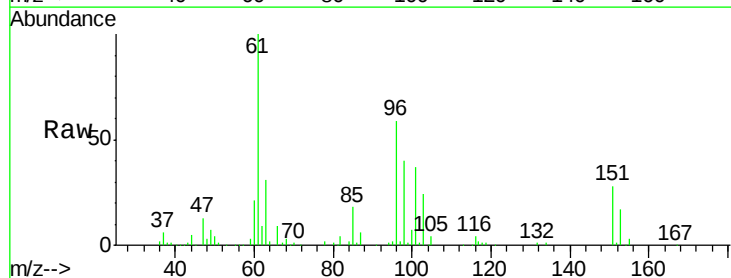
apatel
3/9/2018 9:38:25 AM

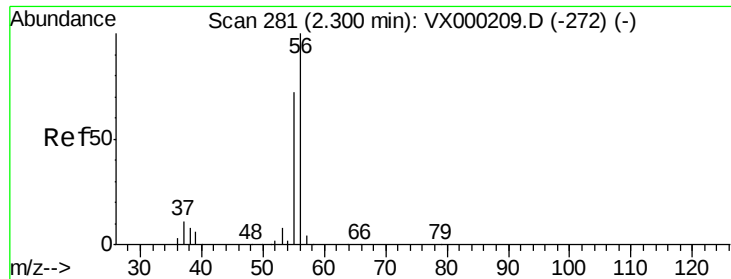


#12

1,1-Dichloroethene
Concen: 20.62 ug/l
RT: 2.38 min Scan# 294
Delta R.T. 0.00 min
Lab File: VX000227.D
Acq: 08 Mar 2018 18:29

Tgt Ion	96	Resp	28519
Ion Ratio	100	Lower	Upper
61	169.0	135.8	203.6
98	68.2	51.1	76.7





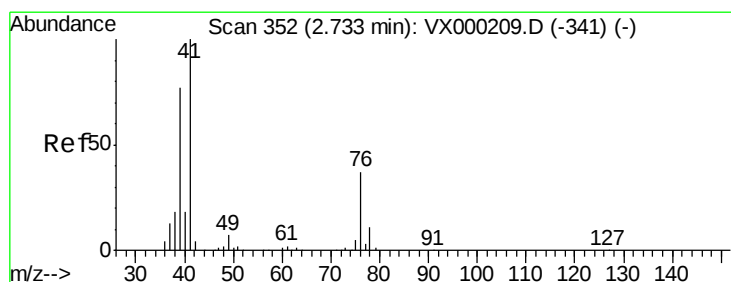
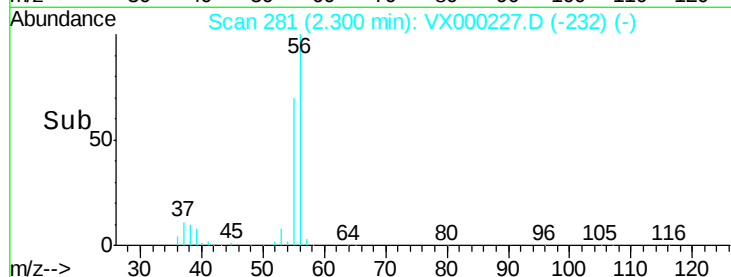
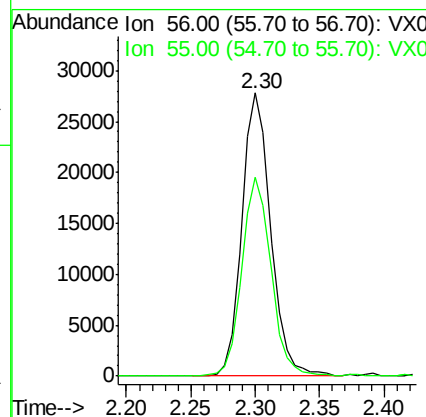
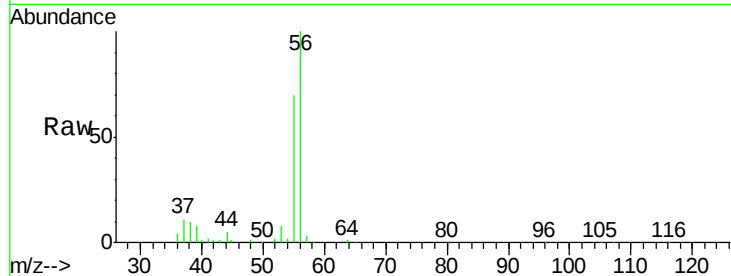
#13
Acrolein
Concen: 122.58 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.00 min
Lab File: VX000227.D
Acq: 08 Mar 2018 18:29

Instrument :
MSVOA_X
ClientSampleId :
VX0308MBS01

Tot Ion	56	55	Ratio	100	71.4	Resp	43044	Lower	59.2	Upper	88.8
Ion											

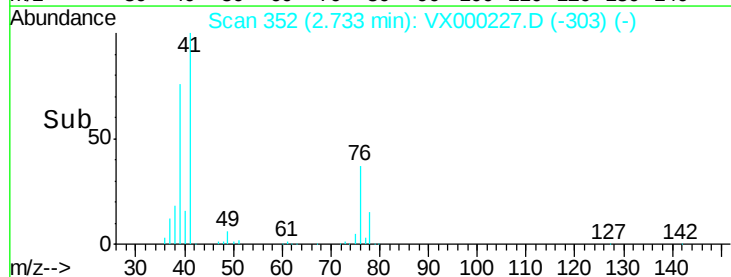
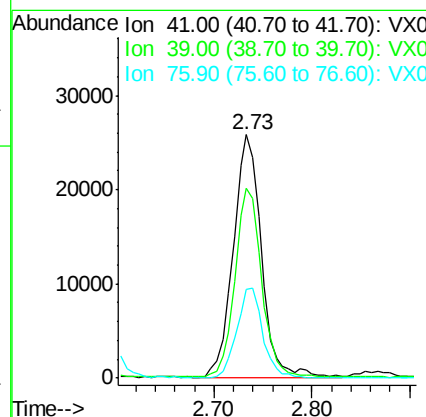
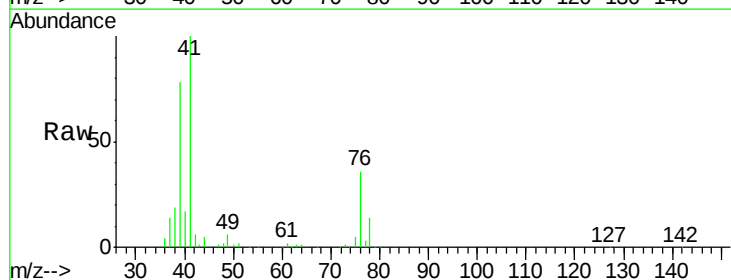
Manual Integrations
APPROVED

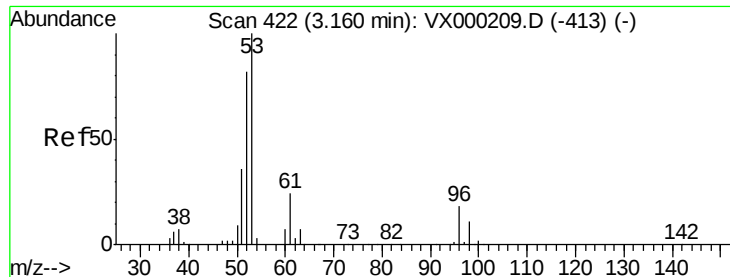
apatel
3/9/2018 9:38:25 AM



#14
Allyl chloride
Concen: 20.18 ug/l
RT: 2.73 min Scan# 352
Delta R.T. 0.00 min
Lab File: VX000227.D
Acq: 08 Mar 2018 18:29

Tgt Ion	41	39	76	Ratio	100	73.0	34.1	Resp	51548	Lower	57.0	Upper	85.6	40.2
Ion														





#15

Acrylonitrile

Concen: 101.93 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.01 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

Instrument :

MSVOA_X

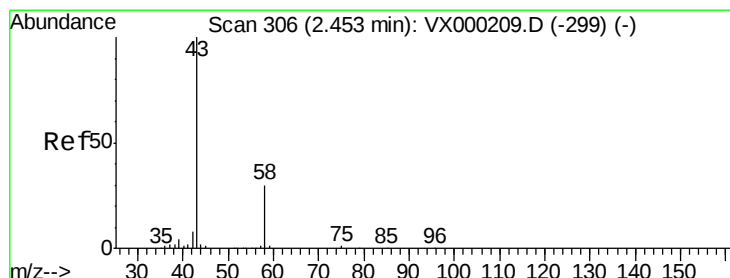
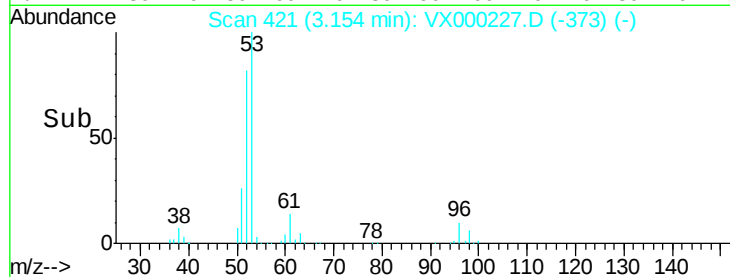
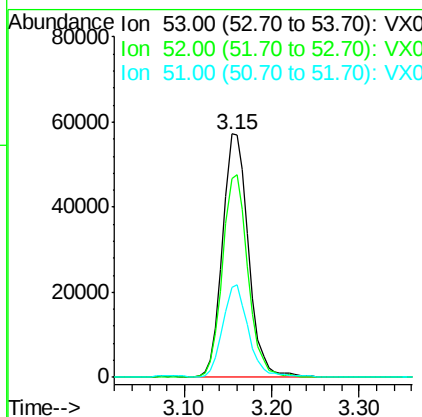
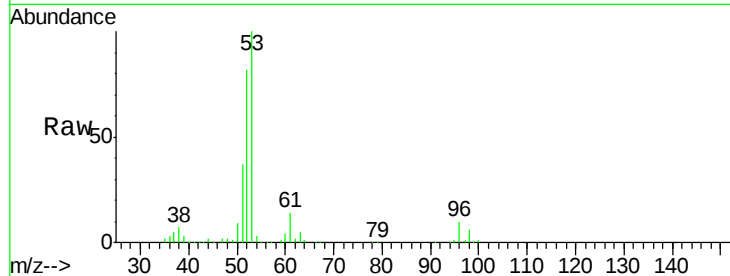
ClientSampleId :

VX0308MBS01

Tot Ion:	53	Resp:	118489
Ion Ratio		Lower	Upper
53	100		
52	81.4	66.3	99.5
51	37.8	29.6	44.4

Manual Integrations
APPROVED

apatel
3/9/2018 9:38:25 AM



#16

Acetone

Concen: 104.75 ug/l

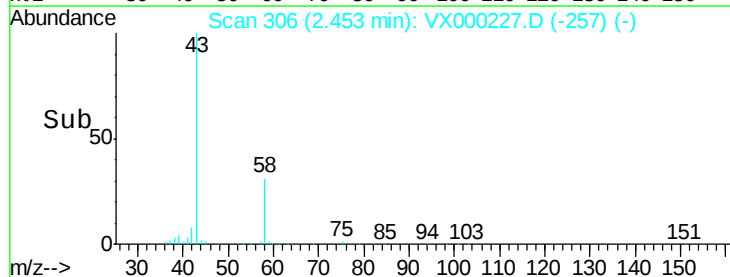
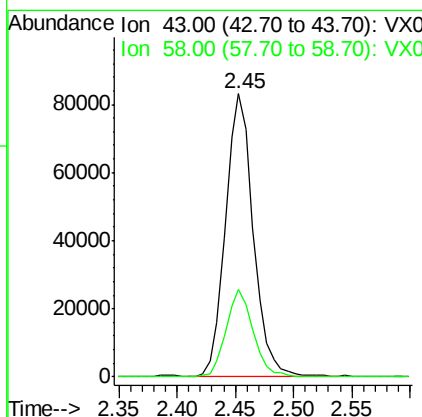
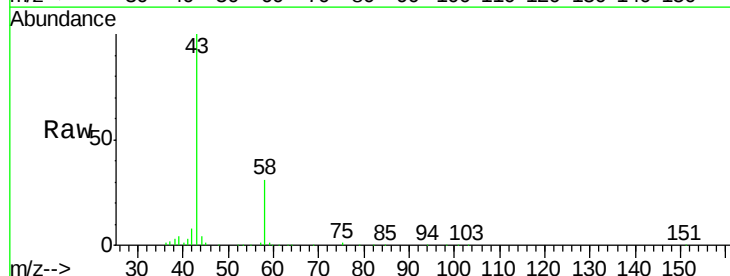
RT: 2.45 min Scan# 306

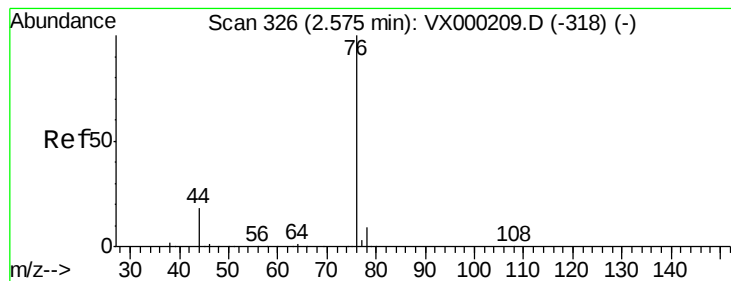
Delta R.T. 0.00 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

Tgt Ion:	43	Resp:	136742
Ion Ratio		Lower	Upper
43	100		
58	30.9	23.8	35.6





#17

Carbon Disulfide

Concen: 19.26 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

Instrument :

MSVOA_X

ClientSampled :

VX0308MBS01

Tot Ion: 76 Resp: 72980

Ion Ratio Lower Upper

76 100

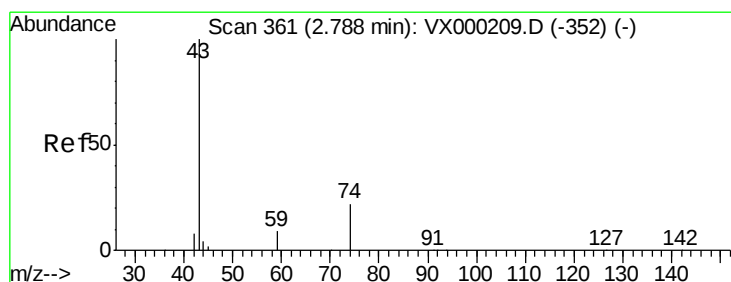
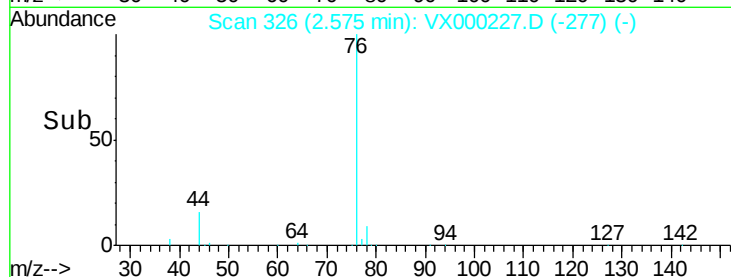
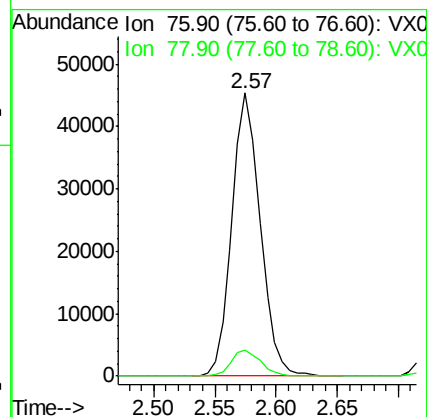
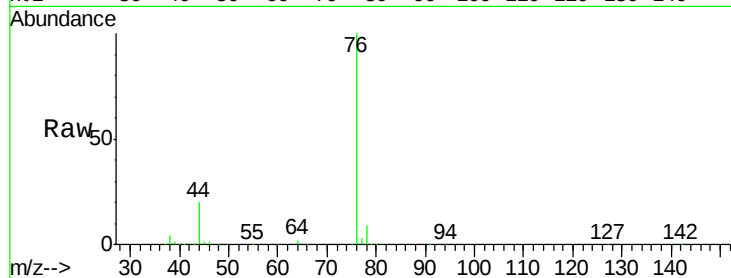
78 9.3 7.0 10.6

Manual Integrations

APPROVED

apatel

3/9/2018 9:38:25 AM



#18

Methyl Acetate

Concen: 20.14 ug/l

RT: 2.79 min Scan# 361

Delta R.T. 0.00 min

Lab File: VX000227.D

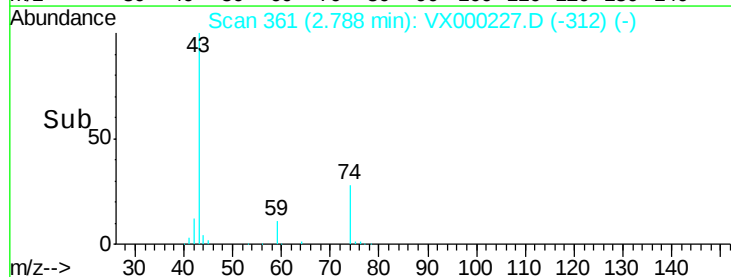
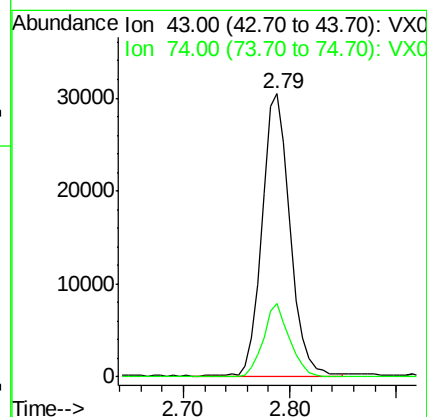
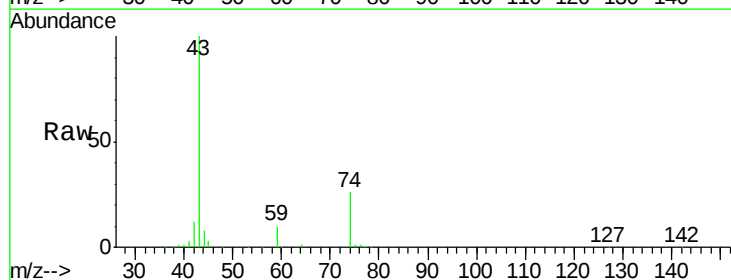
Acq: 08 Mar 2018 18:29

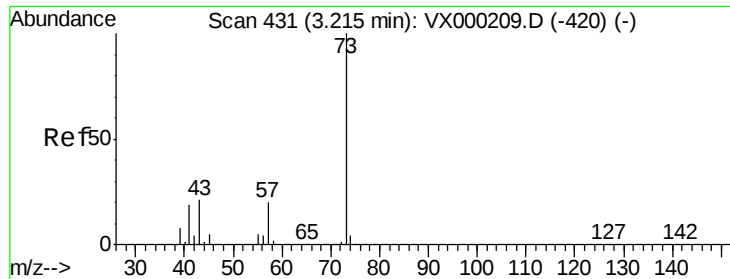
Tgt Ion: 43 Resp: 55983

Ion Ratio Lower Upper

43 100

74 24.5 18.9 28.3





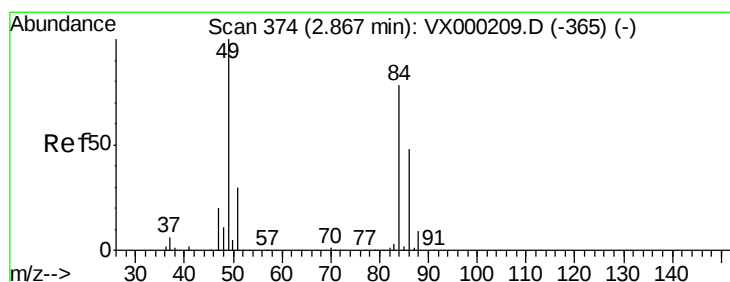
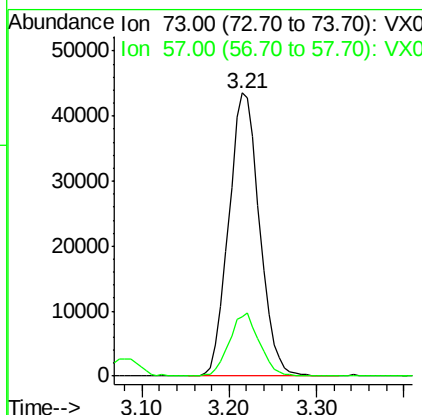
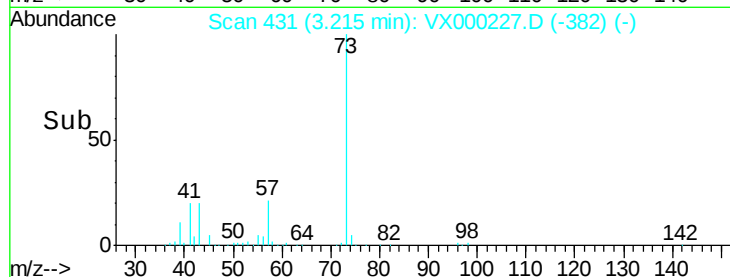
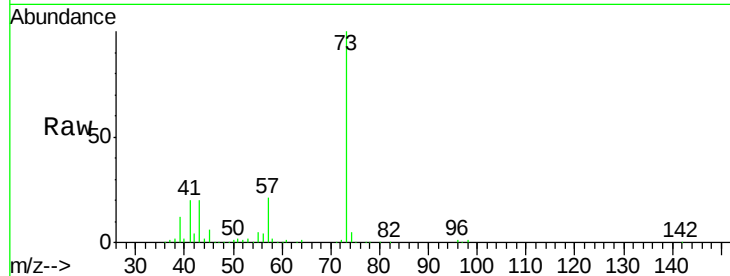
#19
Methyl tert-butyl Ether
Concen: 21.67 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.00 min
Lab File: VX000227.D
Acq: 08 Mar 2018 18:29

Instrument :
MSVOA_X
ClientSampled :
VX0308MBS01

Tot Ion: 73 Resp: 106714
Ion Ratio Lower Upper
73 100
57 20.7 16.3 24.5

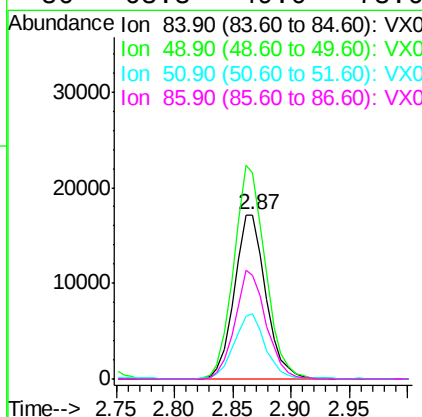
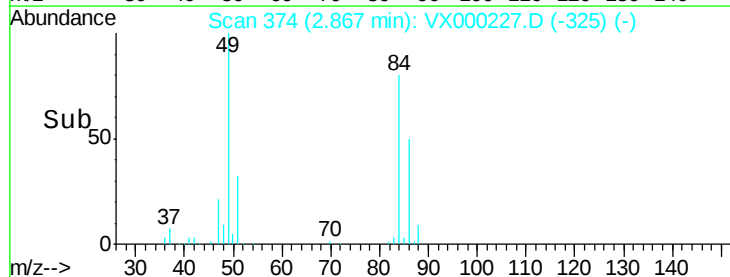
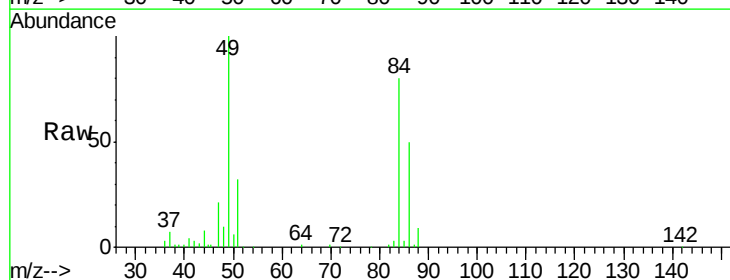
Manual Integrations
APPROVED

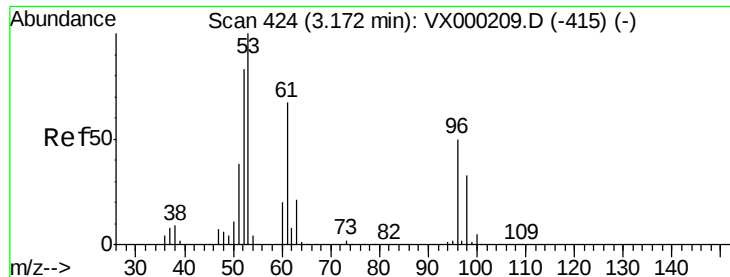
apatel
3/9/2018 9:38:25 AM



#20
Methylene Chloride
Concen: 20.82 ug/l
RT: 2.87 min Scan# 374
Delta R.T. 0.00 min
Lab File: VX000227.D
Acq: 08 Mar 2018 18:29

Tgt Ion: 84 Resp: 32417
Ion Ratio Lower Upper
84 100
49 125.8 102.1 153.1
51 40.1 30.6 45.8
86 63.3 49.0 73.6





#21

trans-1,2-Dichloroethene

Concen: 20.70 ug/l

RT: 3.17 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

Instrument :

MSVOA_X

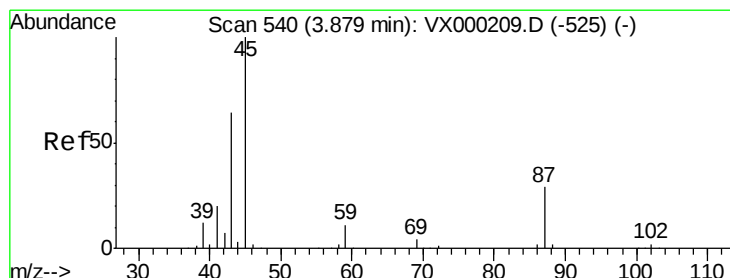
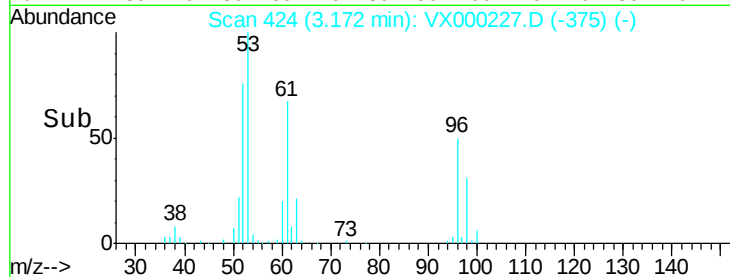
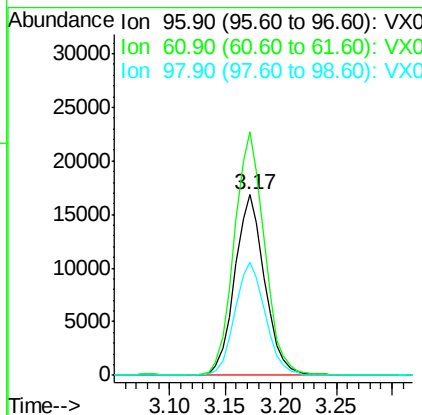
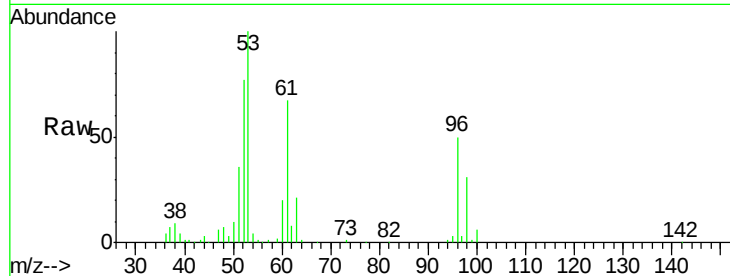
ClientSampled :

VX0308MBS01

Tot Ion:	96	Resp:	31480
Ion	Ratio	Lower	Upper
96	100		
61	135.0	107.0	160.4
98	62.5	51.8	77.8

Manual Integrations
APPROVED

apatel
3/9/2018 9:38:25 AM



#22

Diisopropyl ether

Concen: 18.07 ug/l

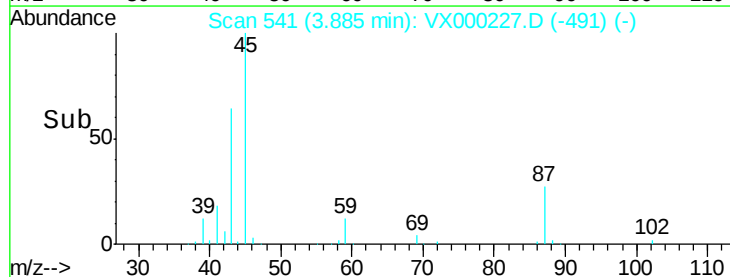
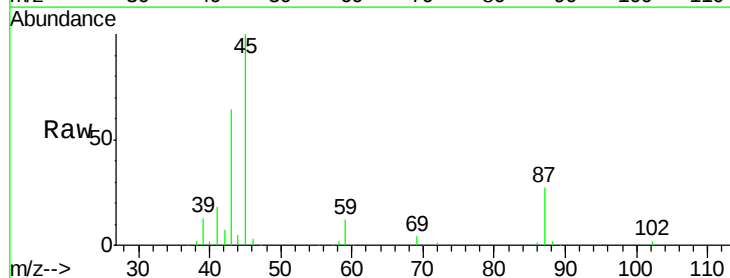
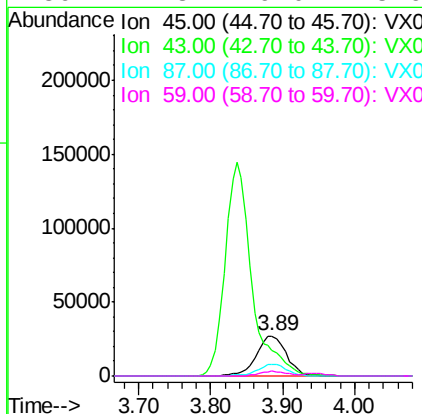
RT: 3.89 min Scan# 541

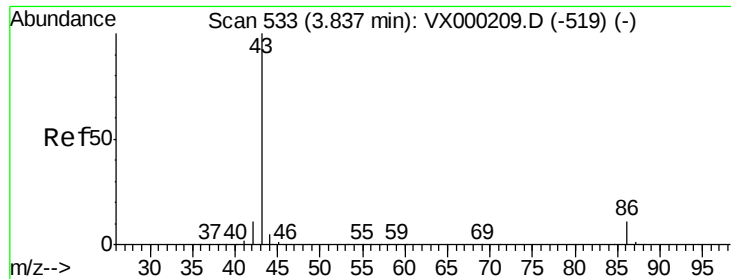
Delta R.T. 0.01 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

Tgt Ion:	45	Resp:	79290
Ion	Ratio	Lower	Upper
45	100		
43	64.4	53.5	80.3
87	27.2	23.3	34.9
59	12.3	9.0	13.6





#23

Vinyl Acetate

Concen: 88.84 ug/l

RT: 3.84 min Scan# 533

Delta R.T. 0.00 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

Instrument :

MSVOA_X

ClientSampleId :

VX0308MBS01

Tot Ion: 43 Resp: 375648

Ion Ratio Lower Upper

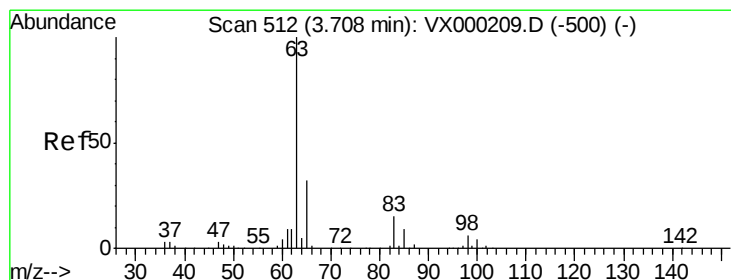
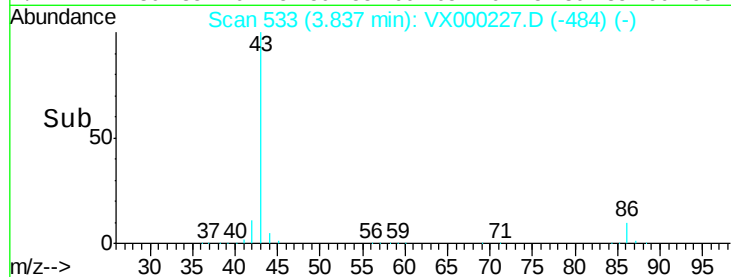
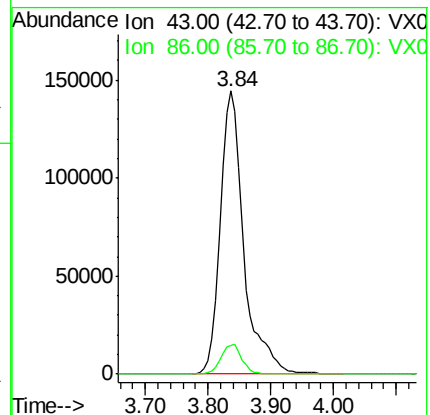
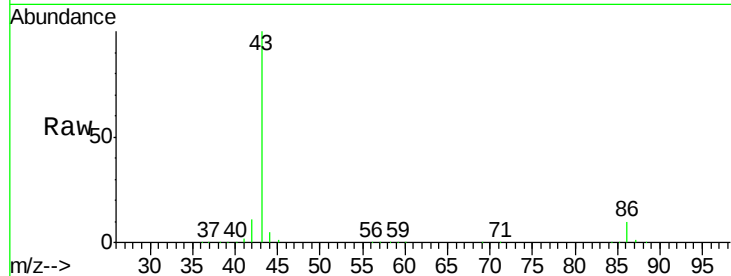
43 100

86 10.0 8.5 12.7

Manual Integrations
APPROVED

apatel

3/9/2018 9:38:25 AM



#24

1,1-Dichloroethane

Concen: 20.22 ug/l

RT: 3.71 min Scan# 512

Delta R.T. 0.00 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

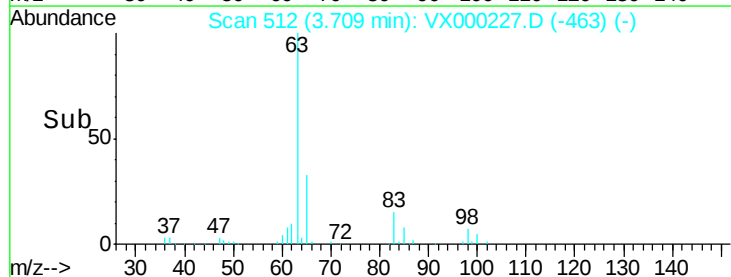
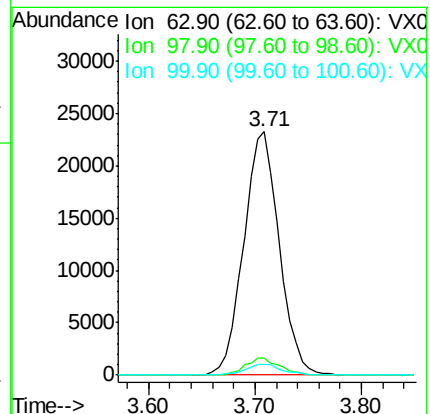
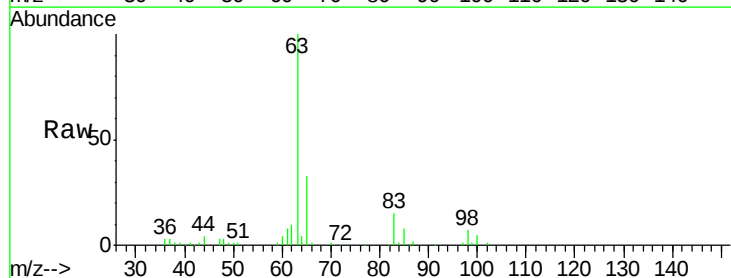
Tgt Ion: 63 Resp: 54393

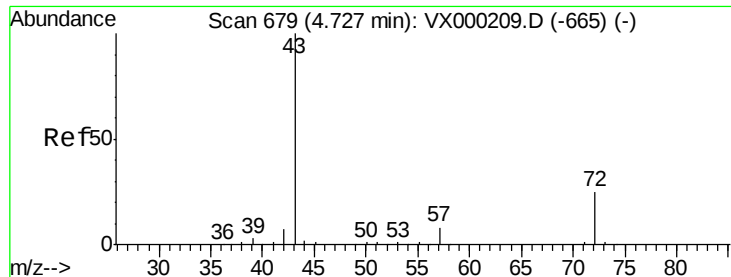
Ion Ratio Lower Upper

63 100

98 6.8 3.1 9.4

100 4.6 2.2 6.6





#25

2-Butanone

Concen: 95.73 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.00 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

Instrument :

MSVOA_X

ClientSampleId :

VX0308MBS01

Tot Ion: 43 Resp: 154229

Ion Ratio Lower Upper

43 100

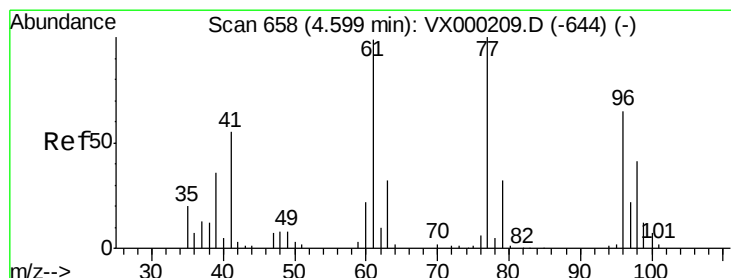
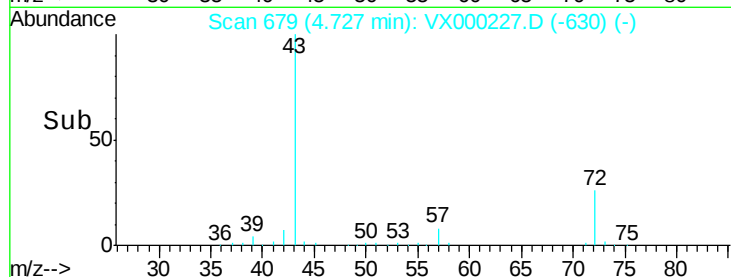
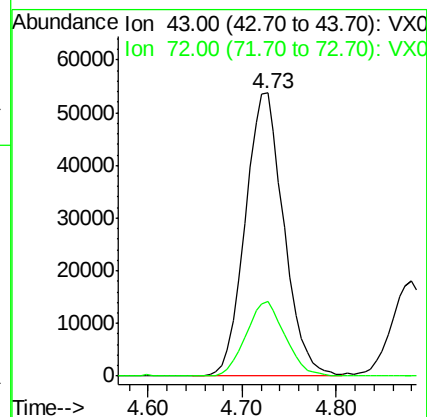
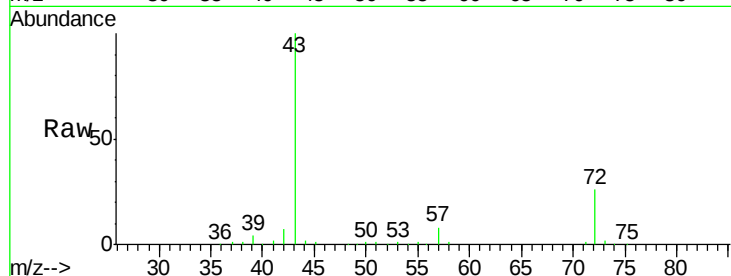
72 26.4 20.2 30.2

Manual Integrations

APPROVED

apatel

3/9/2018 9:38:25 AM



#26

2,2-Dichloropropane

Concen: 18.93 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX000227.D

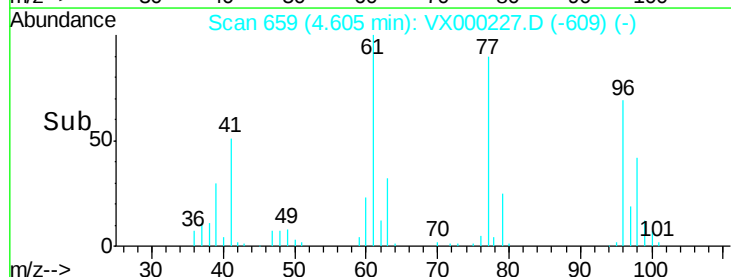
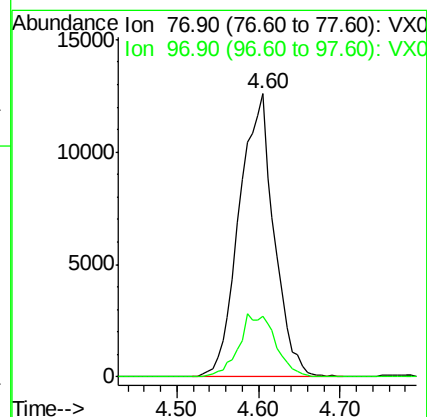
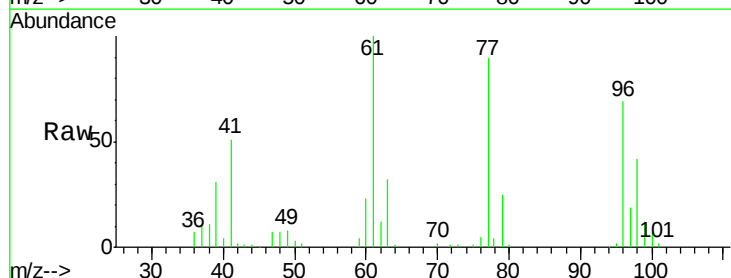
Acq: 08 Mar 2018 18:29

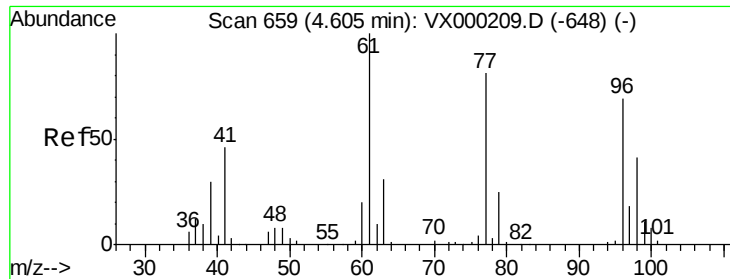
Tgt Ion: 77 Resp: 37216

Ion Ratio Lower Upper

77 100

97 23.2 11.4 34.1





#27

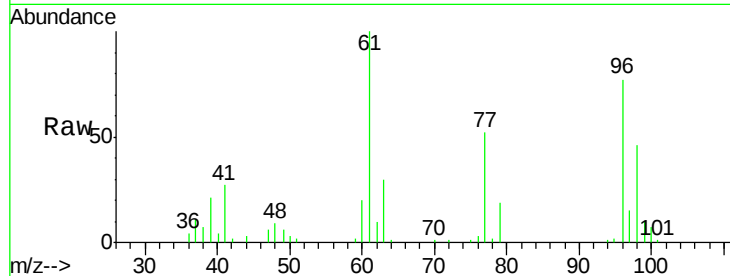
cis-1,2-Dichloroethene
Concen: 19.98 ug/l
RT: 4.62 min Scan# 661
Delta R.T. 0.01 min
Lab File: VX000227.D
Acq: 08 Mar 2018 18:29

Instrument :
MSVOA_X
ClientSampled :
VX0308MBS01

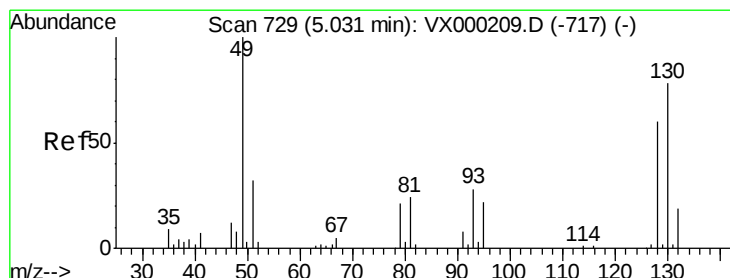
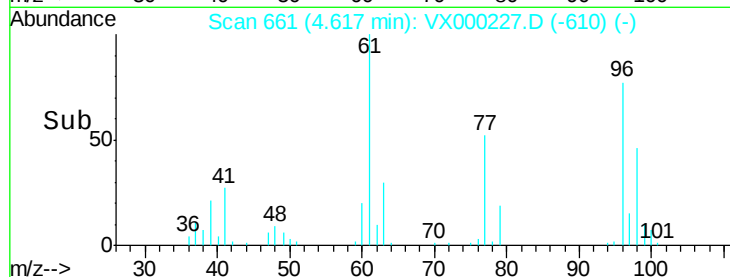
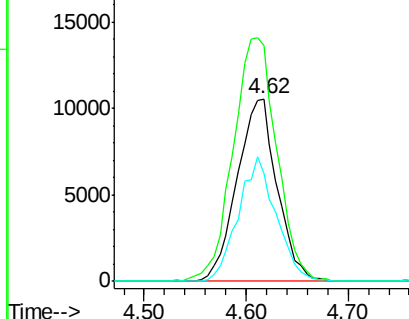
Tot Ion	Ratio	Resp	Lower	Upper
96	100	28810		
61	144.9	0.0	296.4	
98	64.2	0.0	130.6	

Manual Integrations
APPROVED

apatel
3/9/2018 9:38:25 AM



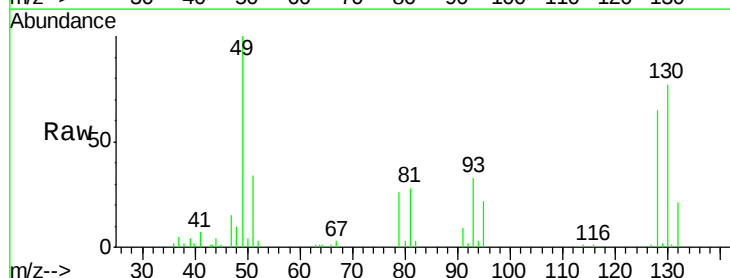
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



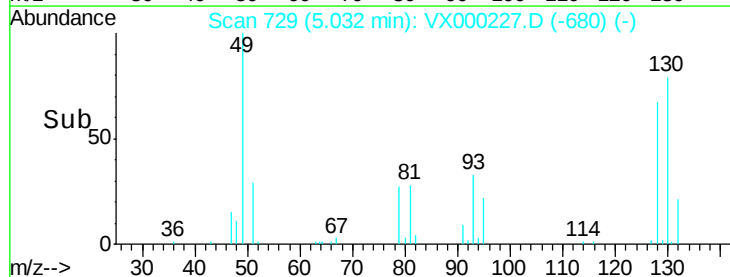
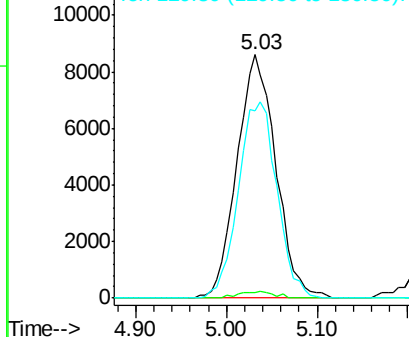
#28

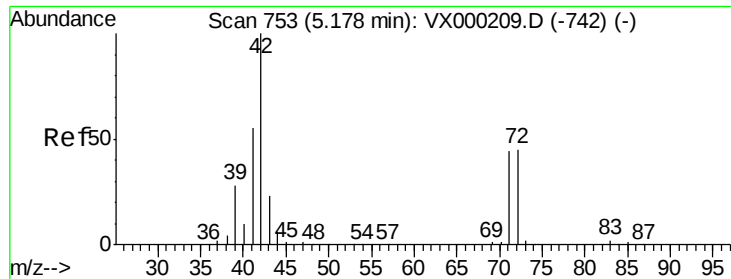
Bromochloromethane
Concen: 22.34 ug/l
RT: 5.03 min Scan# 729
Delta R.T. 0.00 min
Lab File: VX000227.D
Acq: 08 Mar 2018 18:29

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	25540		
129	2.4	0.0	5.0	
130	80.0	63.5	95.3	



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





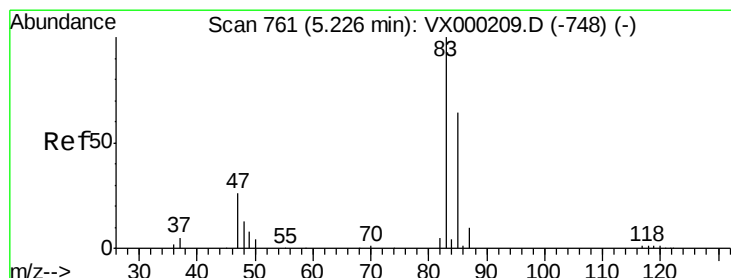
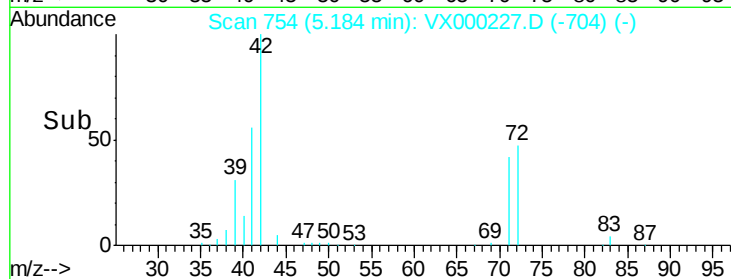
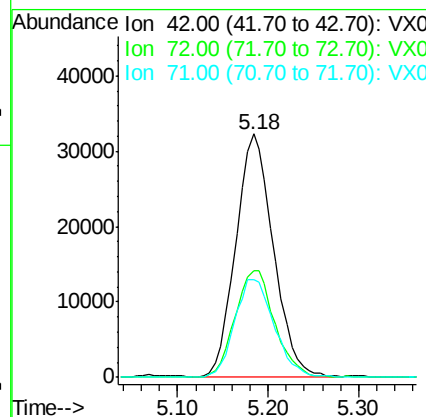
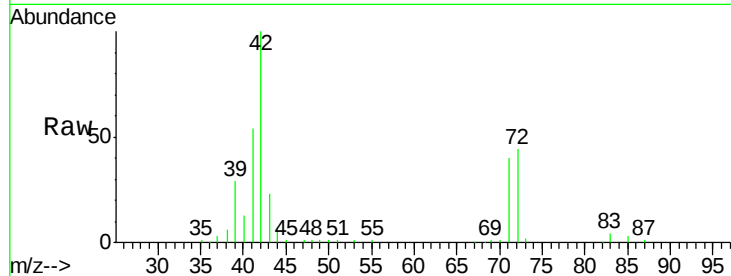
#29
Tetrahydrofuran
Concen: 92.07 ug/l
RT: 5.18 min Scan# 754
Delta R.T. 0.01 min
Lab File: VX000227.D
Acq: 08 Mar 2018 18:29

Instrument :
MSVOA_X
ClientSampleId :
VX0308MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.1	37.3	55.9
71	42.1	35.0	52.4

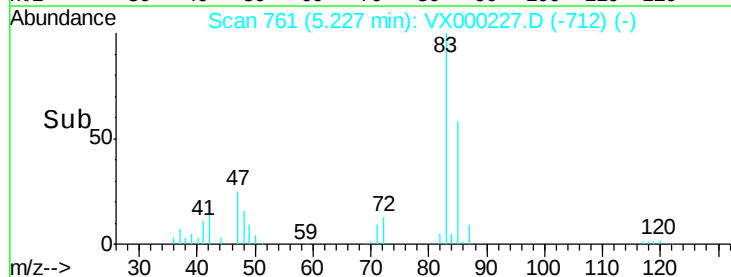
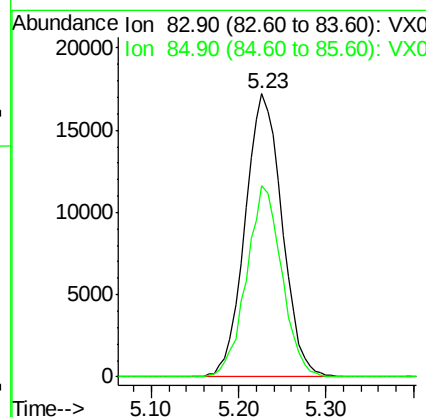
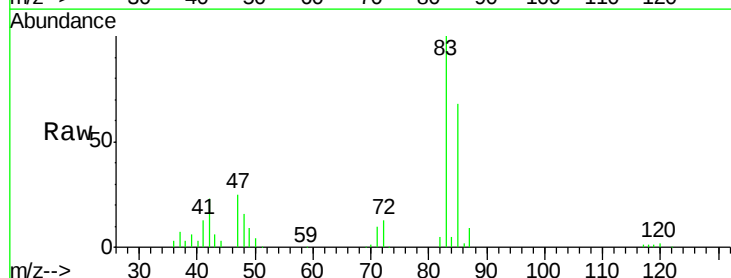
Manual Integrations
APPROVED

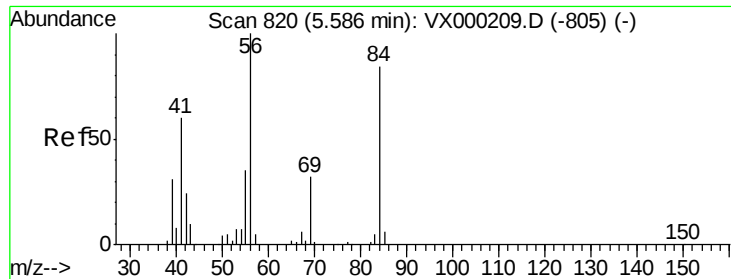
apatel
3/9/2018 9:38:25 AM



#30
Chloroform
Concen: 19.47 ug/l
RT: 5.23 min Scan# 761
Delta R.T. 0.00 min
Lab File: VX000227.D
Acq: 08 Mar 2018 18:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.5	51.0	76.6





#31

Cyclohexane

Concen: 19.85 ug/l

RT: 5.59 min Scan# 820

Delta R.T. 0.00 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

Instrument :

MSVOA_X

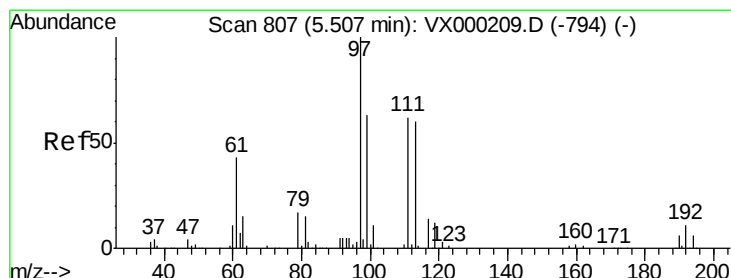
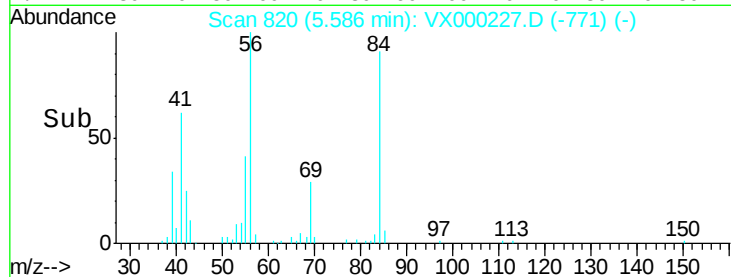
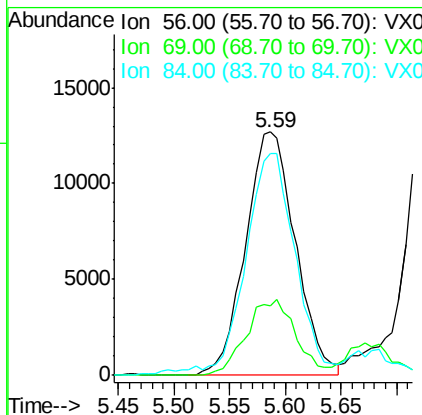
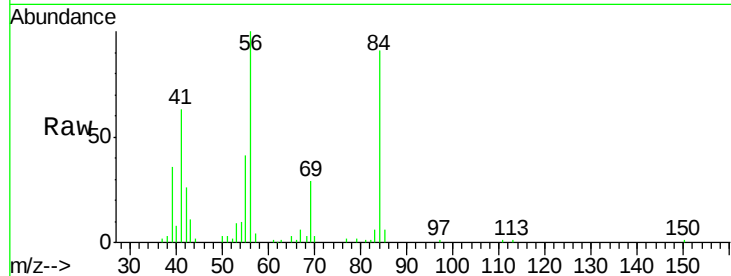
ClientSampleId :

VX0308MBS01

Tot Ion:	56	Resp:	39476
Ion	Ratio	Lower	Upper
56	100		
69	28.7	25.3	37.9
84	89.0	67.2	100.8

Manual Integrations
APPROVED

apatel
3/9/2018 9:38:25 AM



#32

1,1,1-Trichloroethane

Concen: 19.58 ug/l

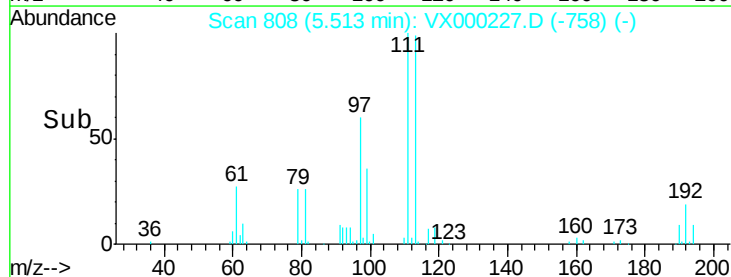
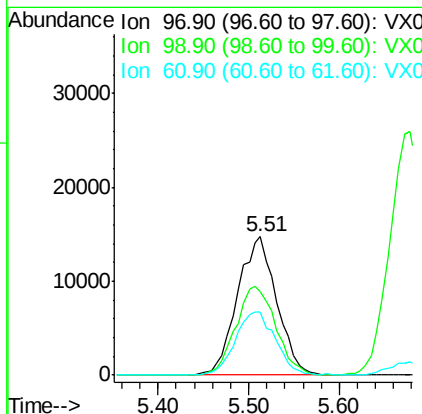
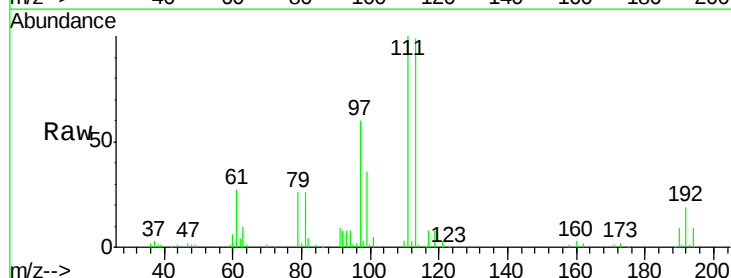
RT: 5.51 min Scan# 808

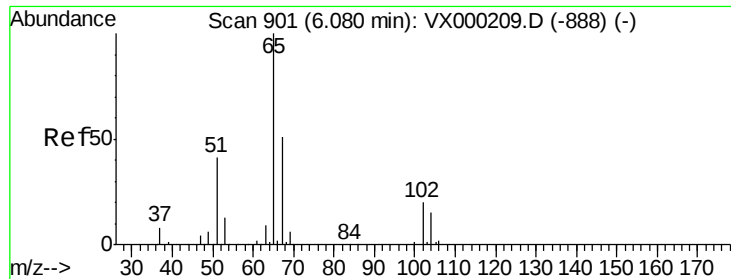
Delta R.T. 0.01 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

Tgt Ion:	97	Resp:	44154
Ion	Ratio	Lower	Upper
97	100		
99	65.4	50.9	76.3
61	46.8	35.4	53.0





#33

1,2-Dichloroethane-d4

Concen: 49.59 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.00 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

Instrument :

MSVOA_X

ClientSampleId :

VX0308MBS01

Tot Ion: 65 Resp: 90149

Ion Ratio Lower Upper

65 100

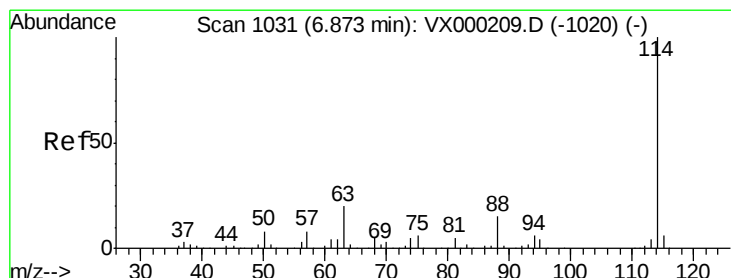
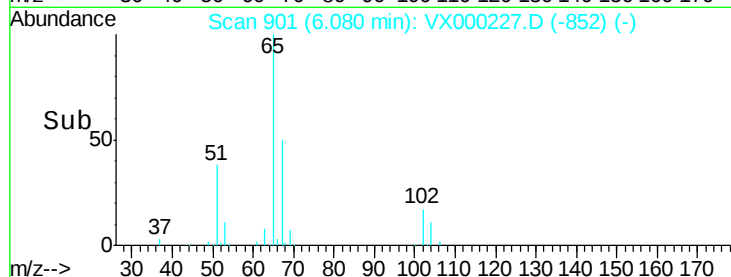
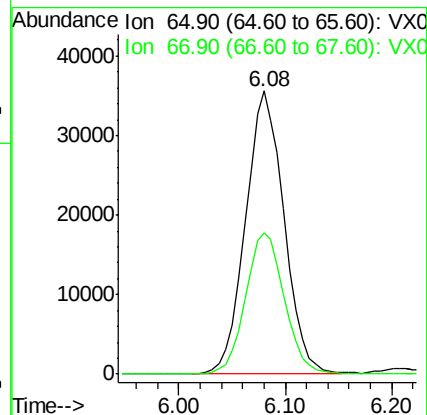
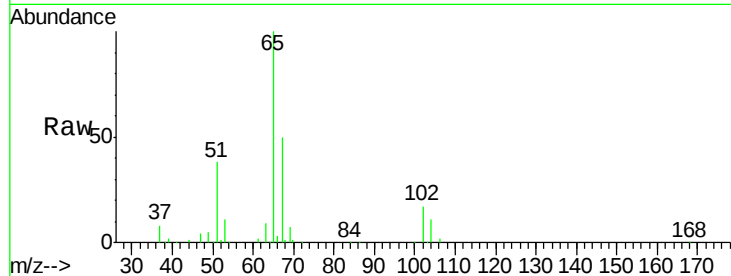
67 50.2 0.0 103.4

Manual Integrations

APPROVED

apatel

3/9/2018 9:38:25 AM



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

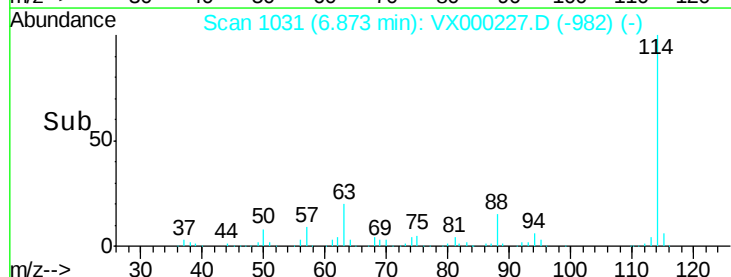
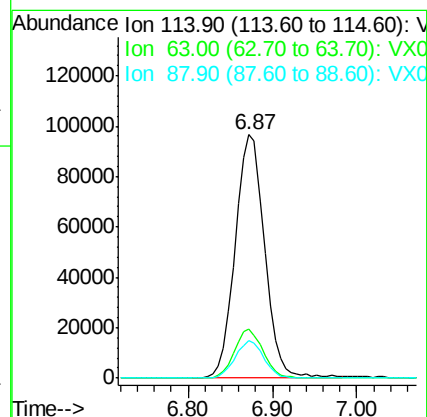
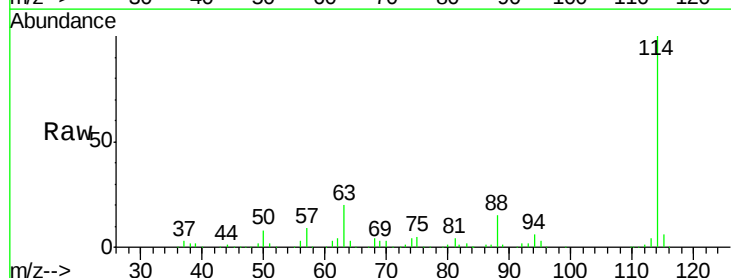
Tgt Ion: 114 Resp: 228397

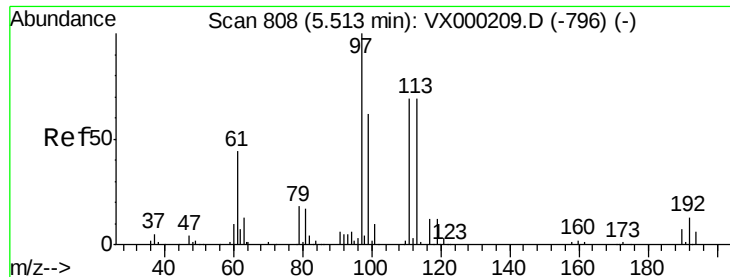
Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.2

88 15.3 0.0 29.8





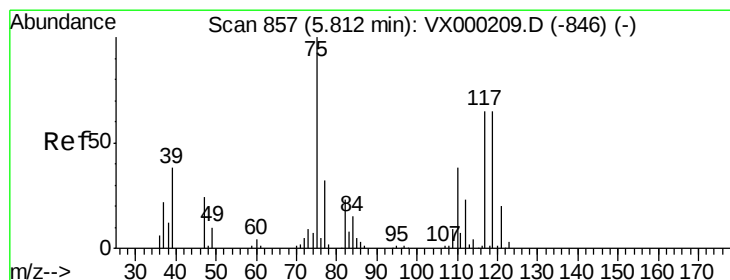
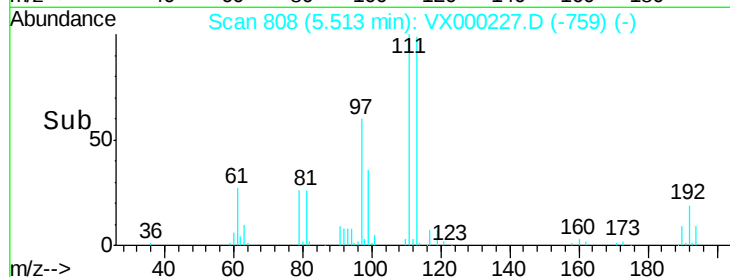
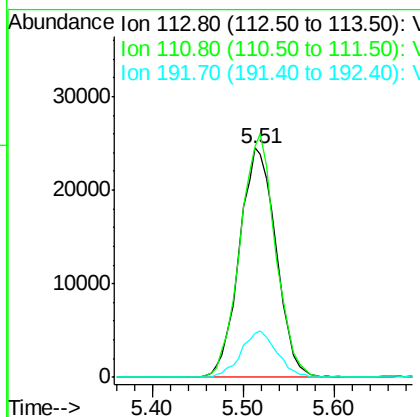
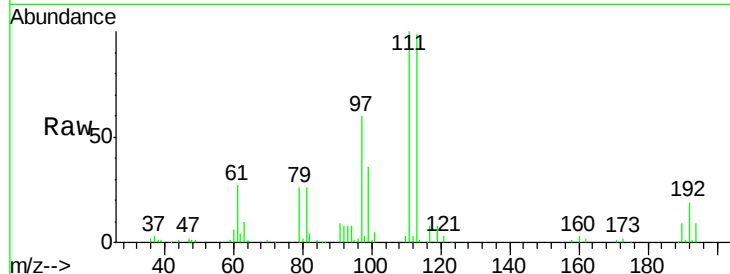
#35
 Dibromofluoromethane
 Concen: 47.77 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: VX000227.D
 Acq: 08 Mar 2018 18:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0308MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	68542		
111	102.6	83.0	124.6	
192	19.5	15.5	23.3	

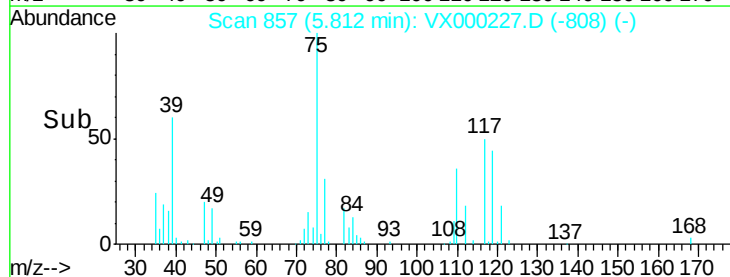
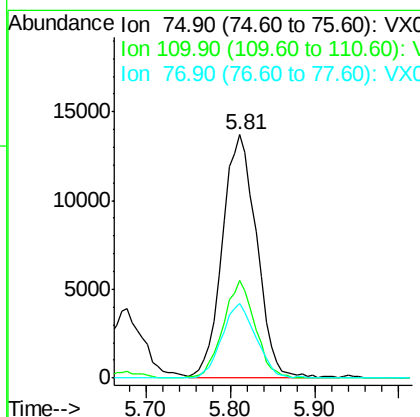
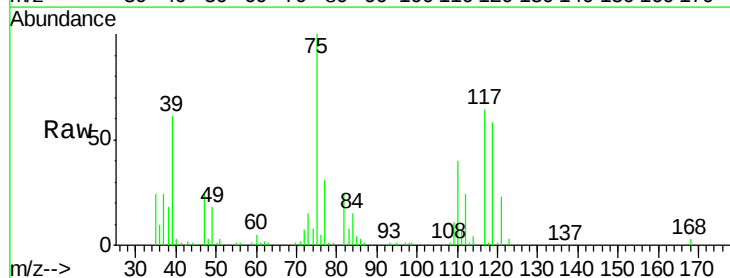
Manual Integrations
 APPROVED

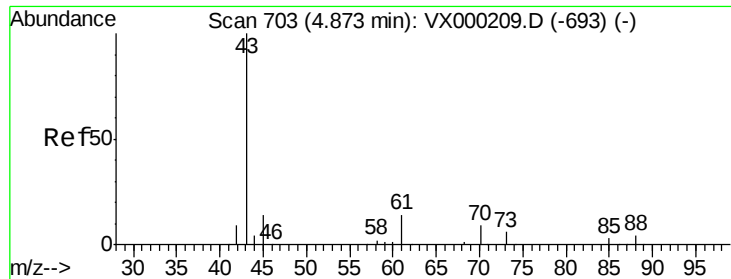
apatel
 3/9/2018 9:38:25 AM



#36
 1,1-Dichloropropene
 Concen: 18.78 ug/l
 RT: 5.81 min Scan# 857
 Delta R.T. 0.00 min
 Lab File: VX000227.D
 Acq: 08 Mar 2018 18:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	38166		
110	36.9	17.8	53.5	
77	30.2	24.9	37.3	





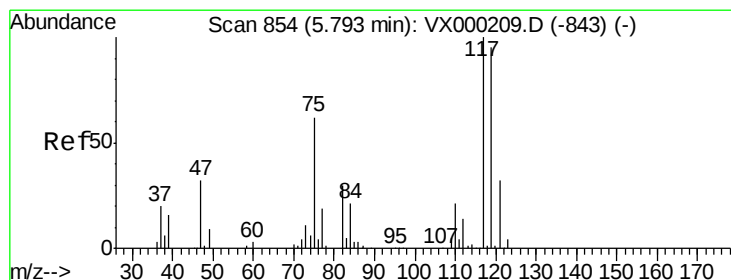
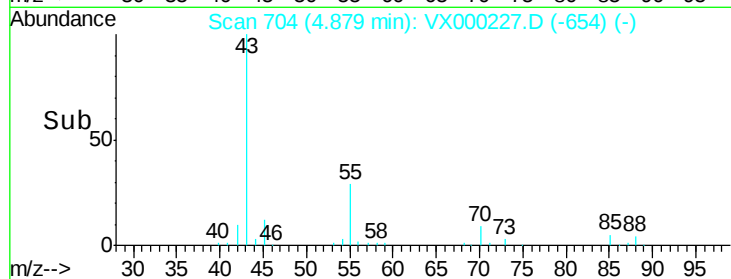
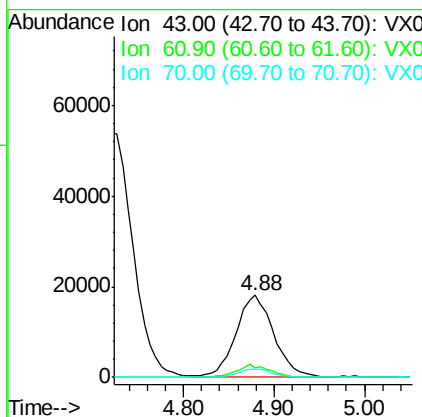
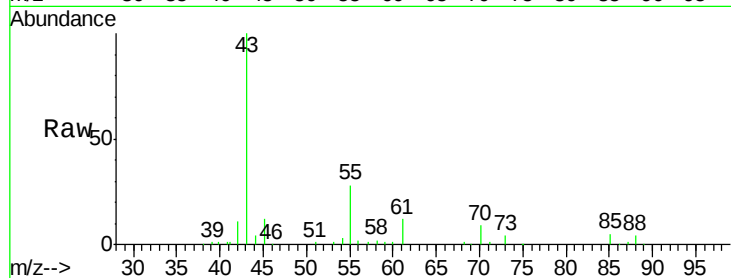
#37
Ethyl Acetate
Concen: 17.58 ug/l
RT: 4.88 min Scan# 704
Delta R.T. 0.01 min
Lab File: VX000227.D
Acq: 08 Mar 2018 18:29

Instrument :
MSVOA_X
ClientSampled :
VX0308MBS01

Tot Ion:	43	Resp:	51637
Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.0	16.6
70	9.6	7.8	11.6

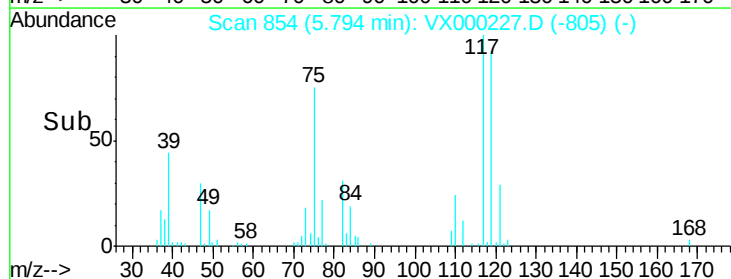
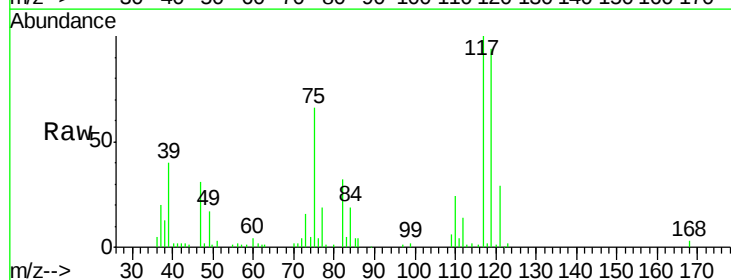
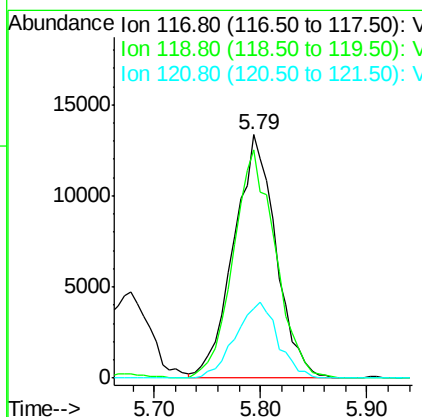
Manual Integrations
APPROVED

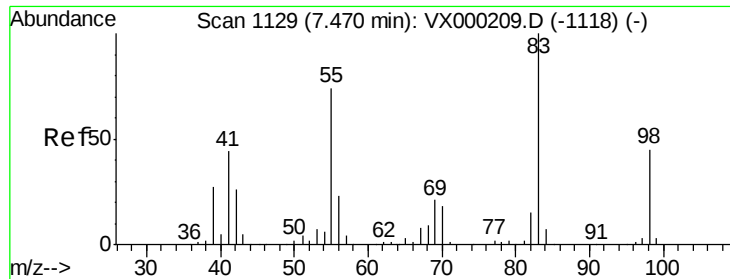
apatel
3/9/2018 9:38:25 AM



#38
Carbon Tetrachloride
Concen: 17.96 ug/l
RT: 5.79 min Scan# 854
Delta R.T. 0.00 min
Lab File: VX000227.D
Acq: 08 Mar 2018 18:29

Tgt Ion:	117	Resp:	36945
Ion	Ratio	Lower	Upper
117	100		
119	93.9	75.9	113.9
121	28.8	25.8	38.6





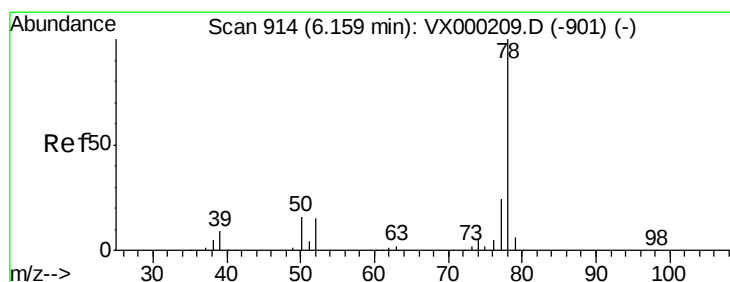
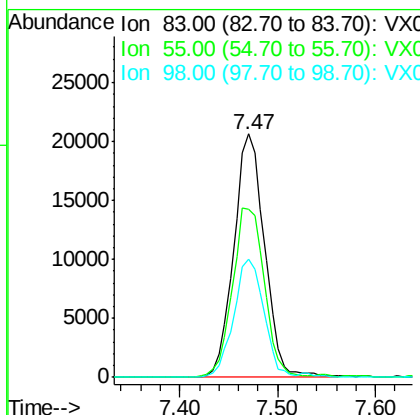
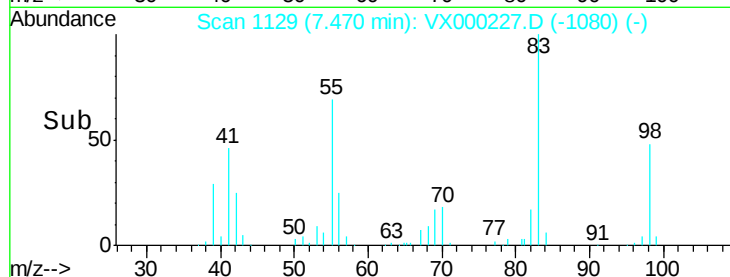
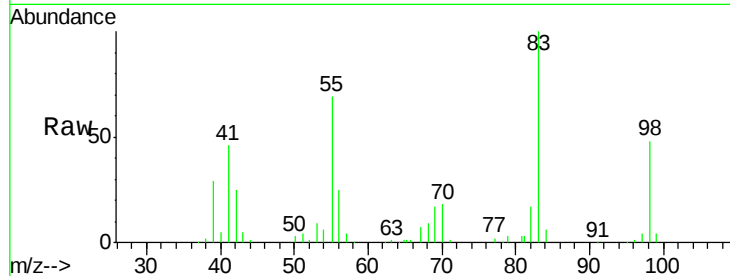
#39
Methvlcvclohexane
Concen: 18.10 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VX000227.D
Acq: 08 Mar 2018 18:29

Instrument :
MSVOA_X
ClientSampled :
VX0308MBS01

Tot Ion	83	Resp	45146
Ion Ratio	100	Lower	Upper
83	100		
55	68.9	59.4	89.0
98	48.4	36.3	54.5

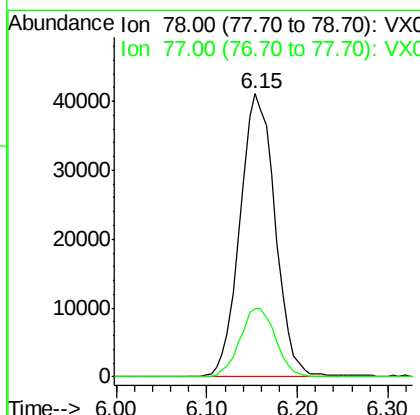
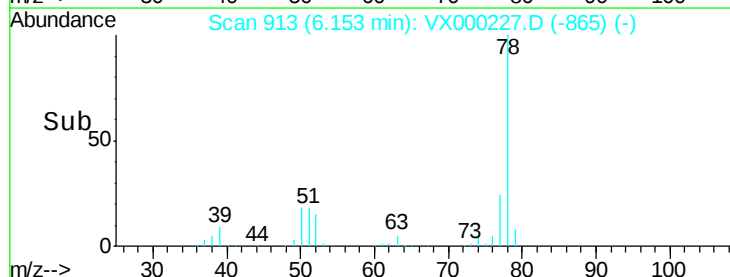
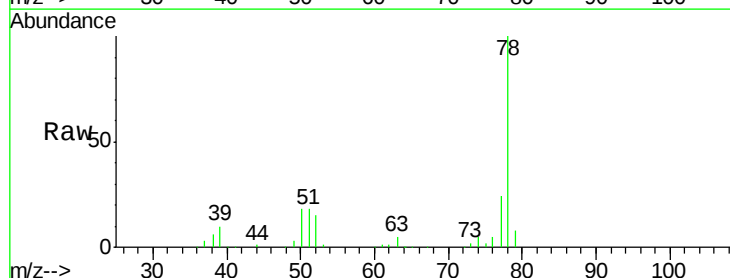
Manual Integrations
APPROVED

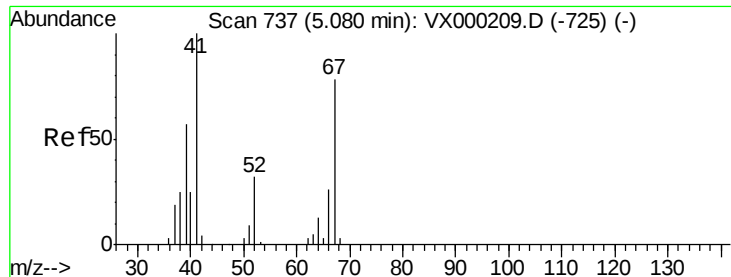
apatel
3/9/2018 9:38:25 AM



#40
Benzene
Concen: 18.85 ug/l
RT: 6.15 min Scan# 913
Delta R.T. -0.01 min
Lab File: VX000227.D
Acq: 08 Mar 2018 18:29

Tgt Ion	78	Resp	110501
Ion Ratio	100	Lower	Upper
78	100		
77	24.0	19.4	29.2





#41

Methacrylonitrile

Concen: 18.19 ug/l

RT: 5.08 min Scan# 737

Delta R.T. 0.00 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

Instrument :

MSVOA_X

ClientSampled :

VX0308MBS01

Tot Ion: 41 Resp: 27230

Ion Ratio Lower Upper

41 100

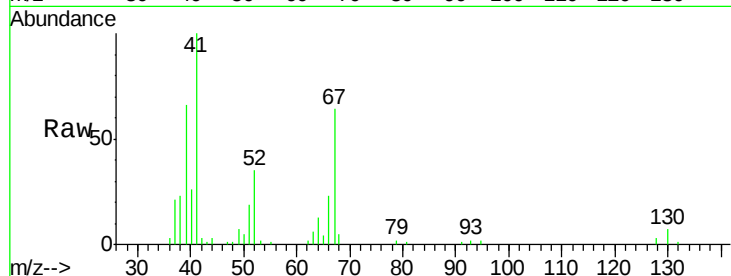
39 59.4 47.8 71.6

67 74.6 59.3 88.9

52 31.8 26.4 39.6

Manual Integrations
APPROVED

apatel
3/9/2018 9:38:25 AM

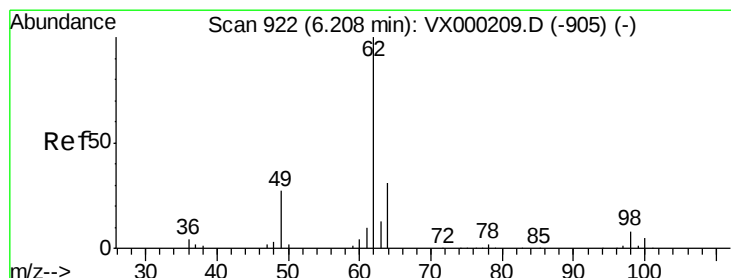
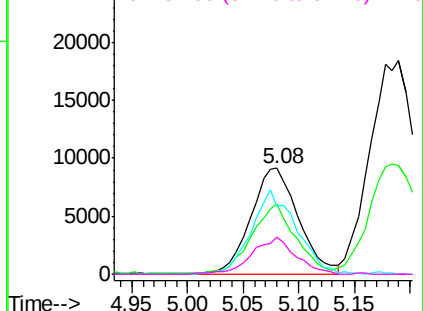
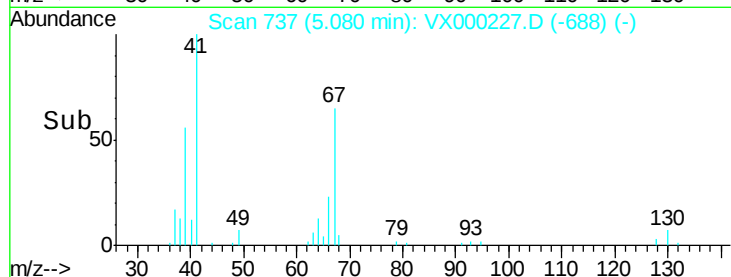


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 19.31 ug/l

RT: 6.21 min Scan# 922

Delta R.T. 0.00 min

Lab File: VX000227.D

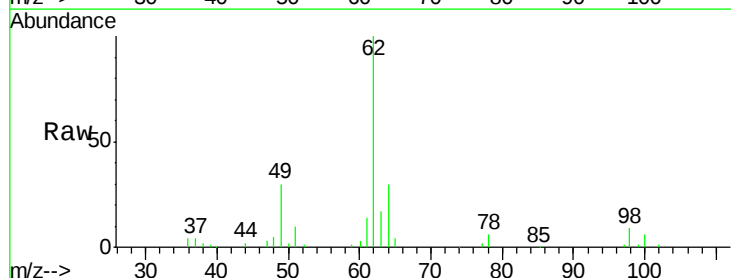
Acq: 08 Mar 2018 18:29

Tgt Ion: 62 Resp: 44391

Ion Ratio Lower Upper

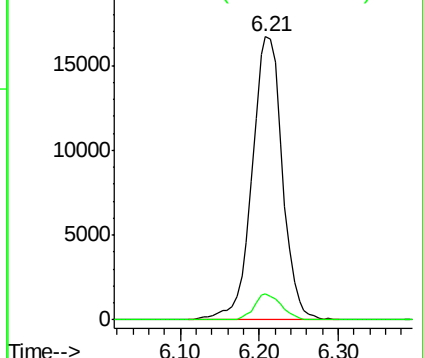
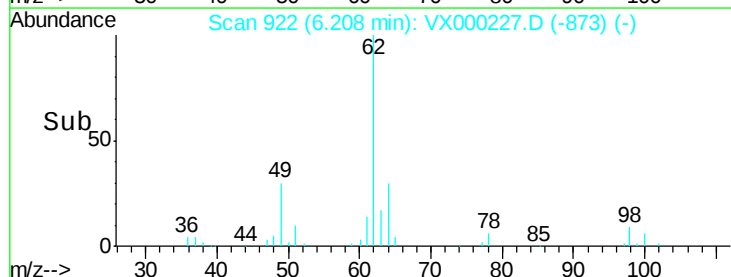
62 100

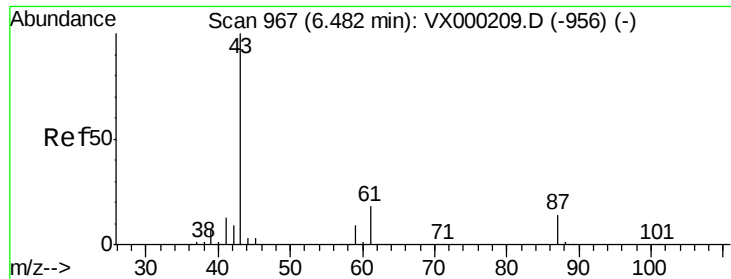
98 8.1 0.0 16.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

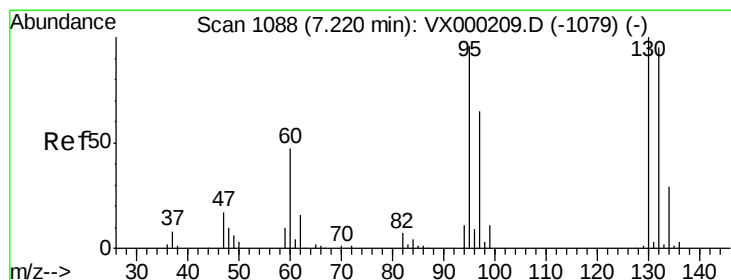
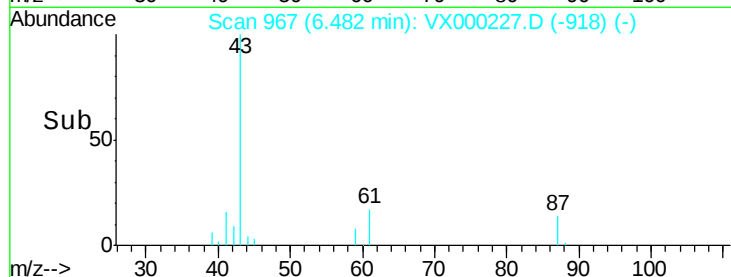
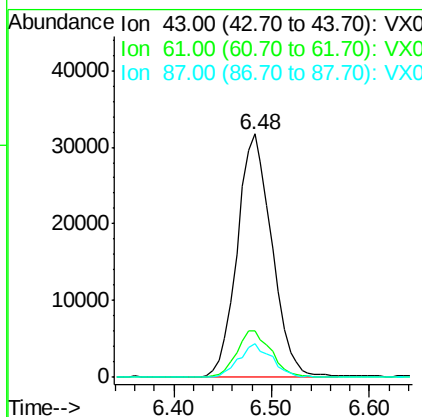
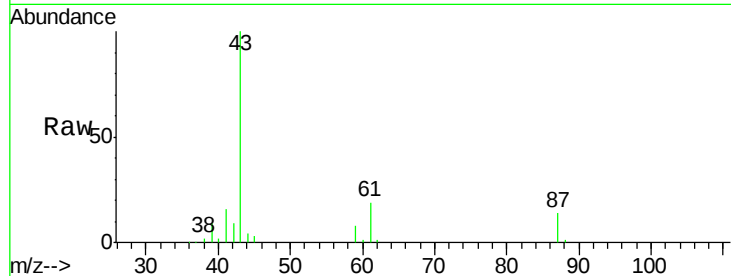
Isopropyl Acetate
 Concen: 18.42 ug/l
 RT: 6.48 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: VX000227.D
 Acq: 08 Mar 2018 18:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0308MBS01

Tot Ion	43	61	87
Resp	78225		
Ratio	100	19.0	13.1
Lower		14.8	10.6
Upper		22.2	16.0

Manual Integrations
 APPROVED

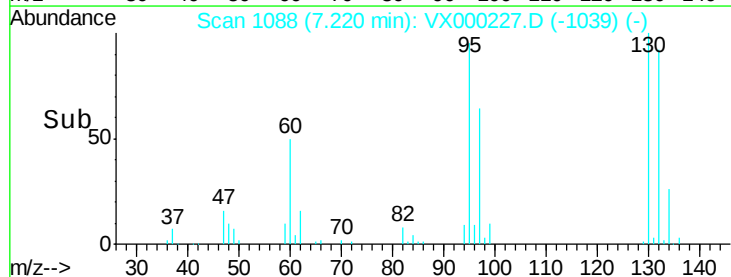
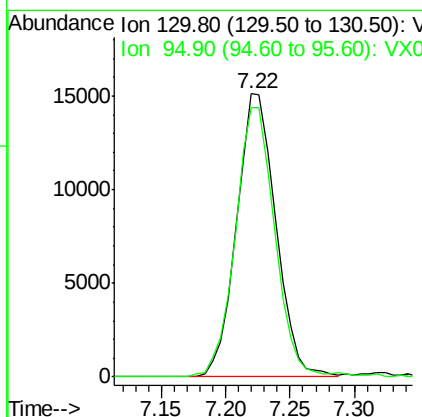
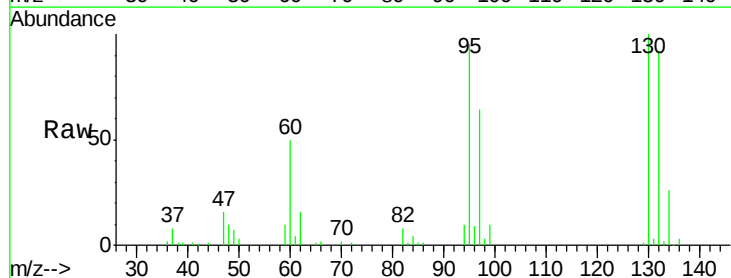
apatel
 3/9/2018 9:38:25 AM

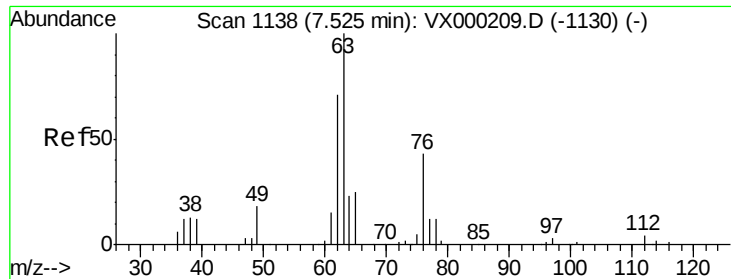


#44

Trichloroethene
 Concen: 19.08 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX000227.D
 Acq: 08 Mar 2018 18:29

Tgt Ion	130	95
Resp	32006	
Ratio	100	95.3
Lower		0.0
Upper		191.8





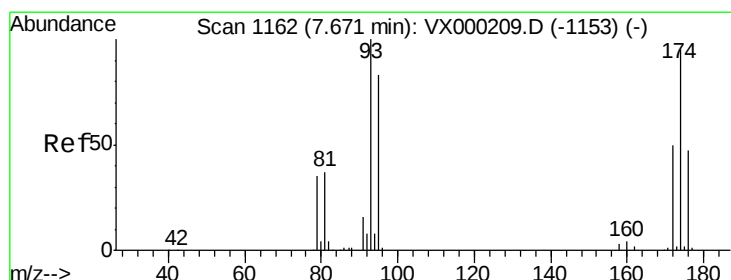
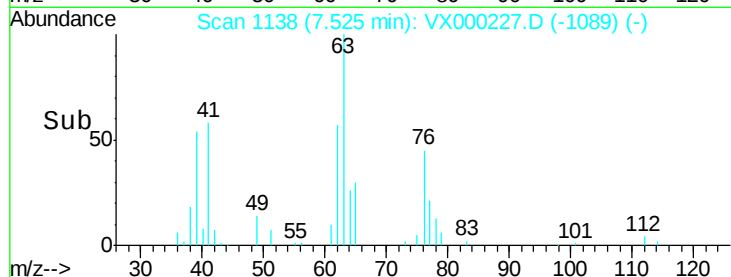
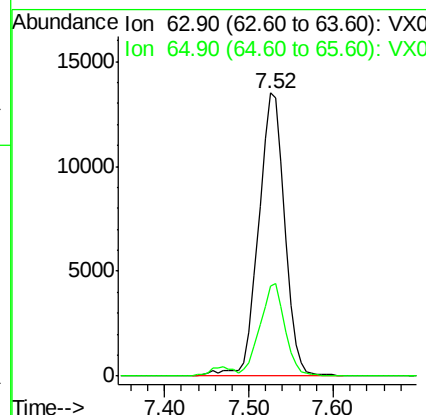
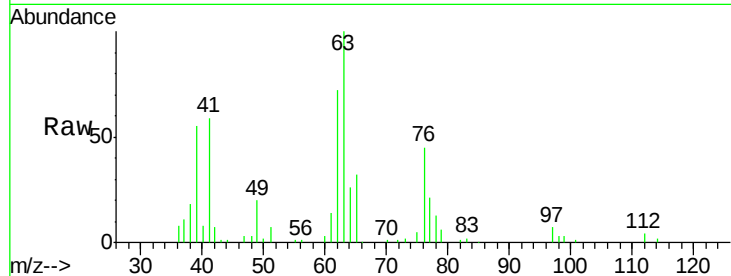
#45
 1,2-Dichloropropane
 Concen: 19.29 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VX000227.D
 Acq: 08 Mar 2018 18:29

Instrument :
 MSVOA_X
 ClientSampled :
 VX0308MBS01

Tot Ion: 63 Resp: 28633
 Ion Ratio Lower Upper
 63 100
 65 31.7 22.3 33.5

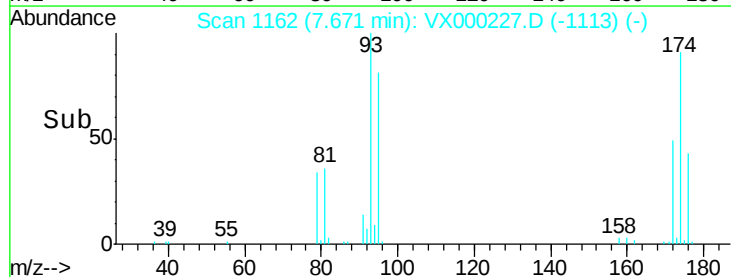
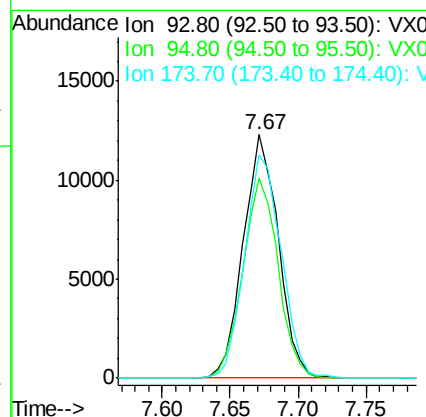
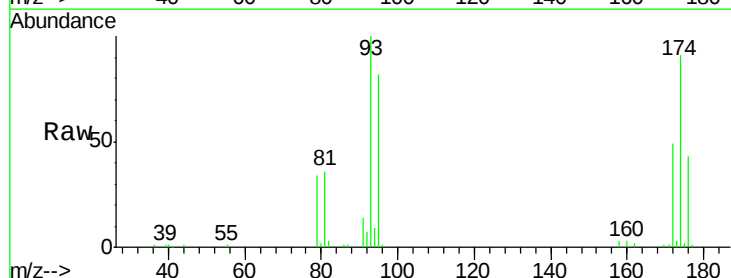
Manual Integrations
 APPROVED

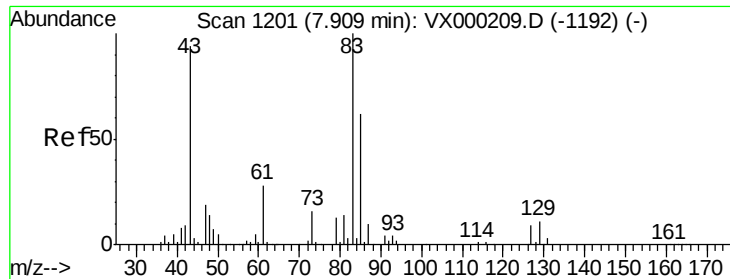
apatel
 3/9/2018 9:38:25 AM



#46
 Dibromomethane
 Concen: 18.93 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. 0.00 min
 Lab File: VX000227.D
 Acq: 08 Mar 2018 18:29

Tgt Ion: 93 Resp: 22235
 Ion Ratio Lower Upper
 93 100
 95 82.4 64.1 96.1
 174 95.7 75.8 113.8





#47

Bromodichloromethane

Concen: 19.00 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

Instrument :

MSVOA_X

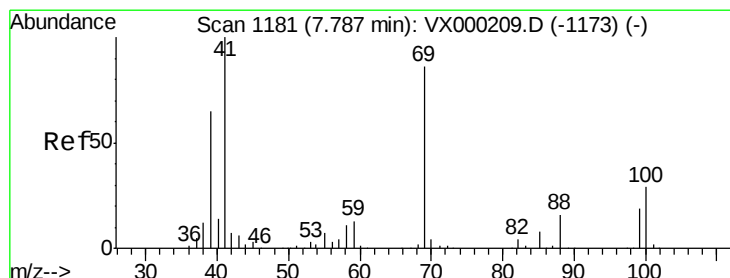
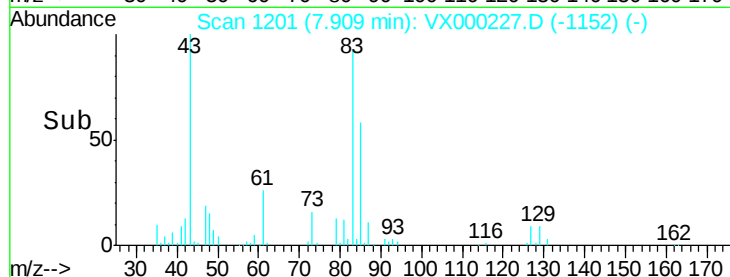
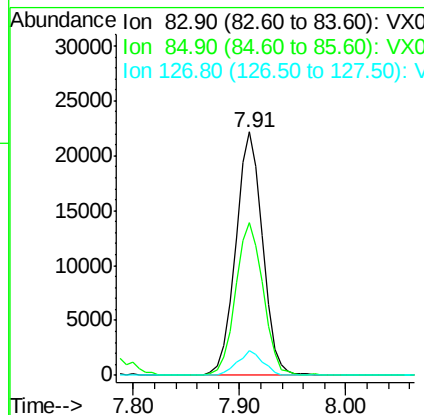
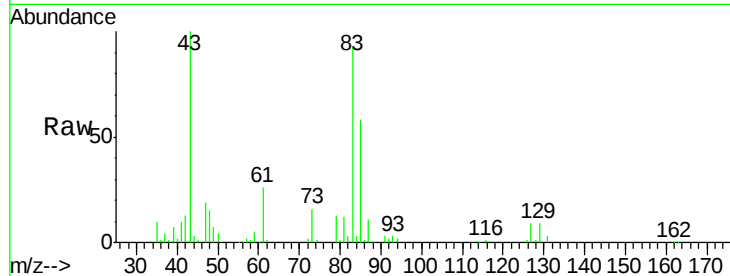
ClientSampleId :

VX0308MBS01

Tot Ion:	83	Resp:	39250
Ion	Ratio	Lower	Upper
83	100		
85	62.5	49.6	74.4
127	10.2	7.0	10.4

Manual Integrations
APPROVED

apatel
3/9/2018 9:38:25 AM



#48

Methyl methacrylate

Concen: 17.86 ug/l

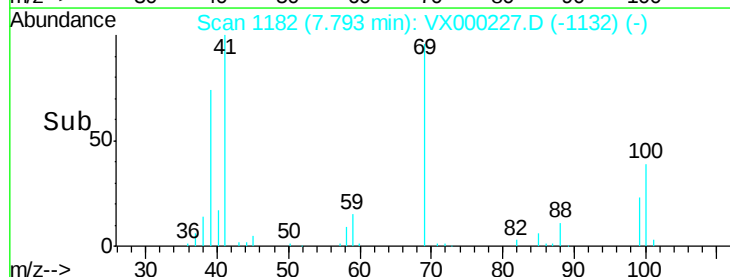
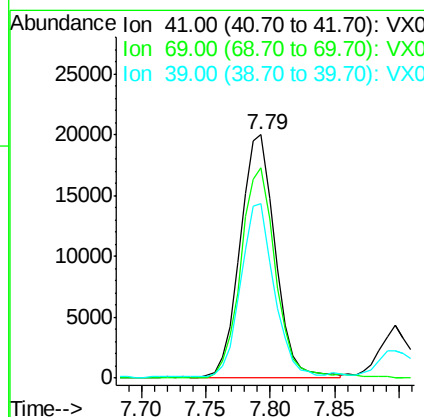
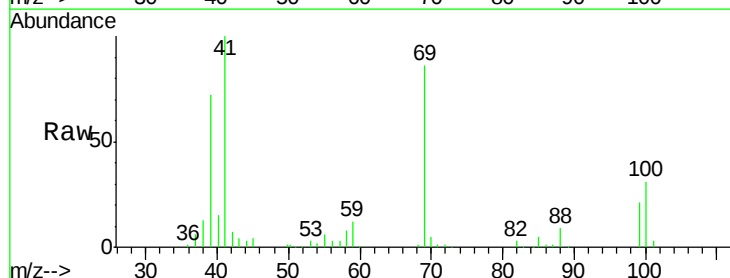
RT: 7.79 min Scan# 1182

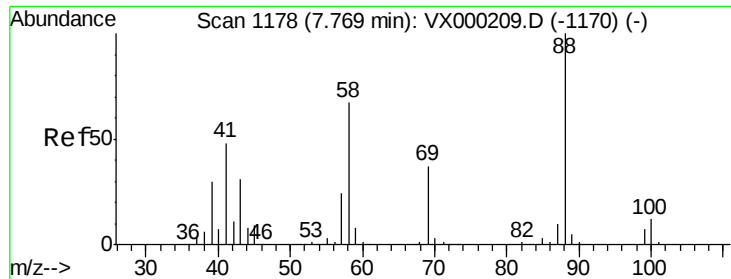
Delta R.T. 0.01 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

Tgt Ion:	41	Resp:	37364
Ion	Ratio	Lower	Upper
41	100		
69	87.5	70.0	105.0
39	68.3	53.6	80.4





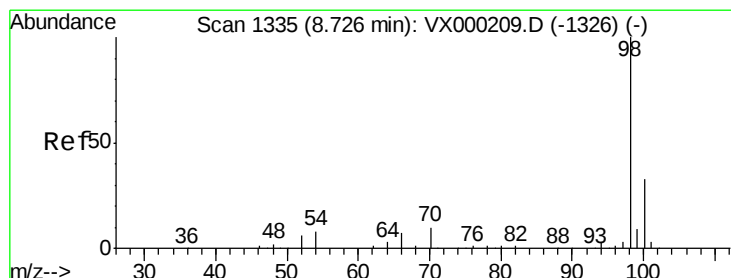
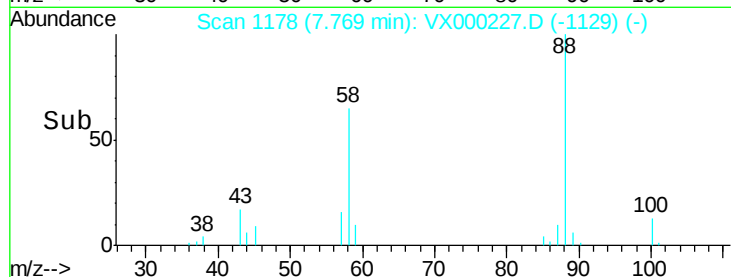
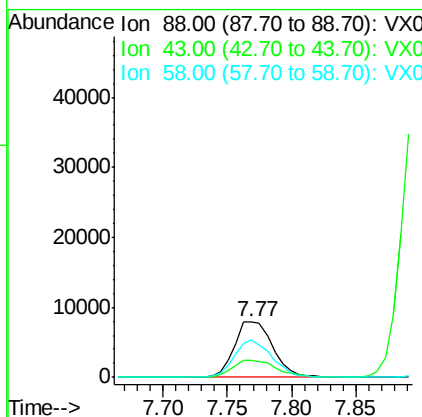
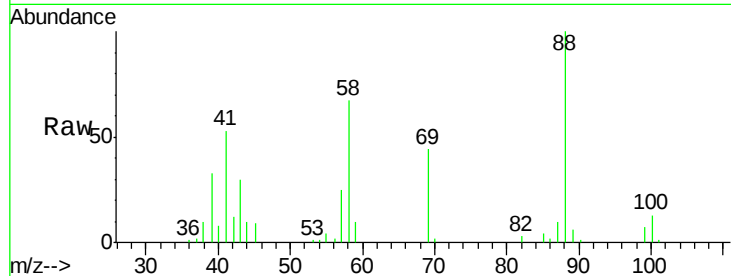
#49
1,4-Dioxane
Concen: 347.09 ug/l
RT: 7.77 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VX000227.D
Acq: 08 Mar 2018 18:29

Instrument :
MSVOA_X
ClientSampleId :
VX0308MBS01

Tot Ion	88	Resp	16480
Ion	Ratio	Lower	Upper
88	100		
43	34.2	26.9	40.3
58	65.1	52.2	78.4

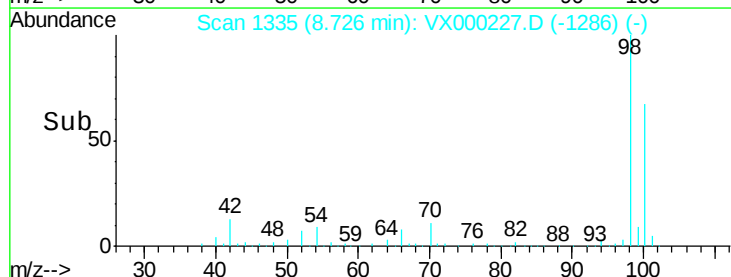
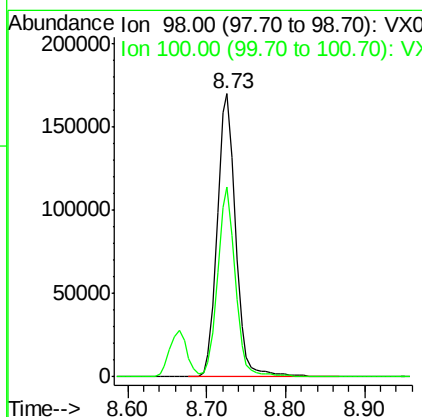
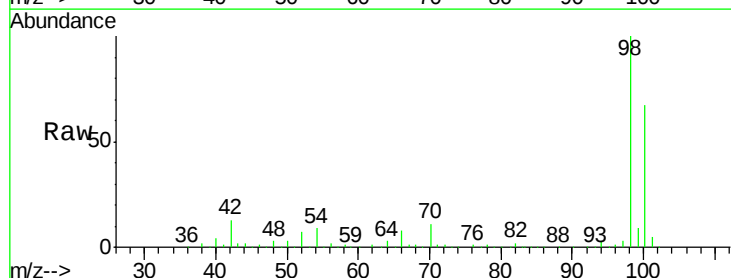
Manual Integrations
APPROVED

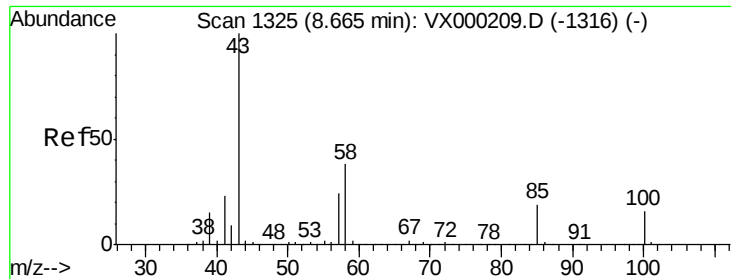
apatel
3/9/2018 9:38:25 AM



#50
Toluene-d8
Concen: 46.54 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VX000227.D
Acq: 08 Mar 2018 18:29

Tgt Ion	98	Resp	276531
Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 92.90 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.01 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

Instrument :

MSVOA_X

ClientSampleId :

VX0308MBS01

Tot Ion: 43 Resp: 297748

Ion Ratio Lower Upper

43 100

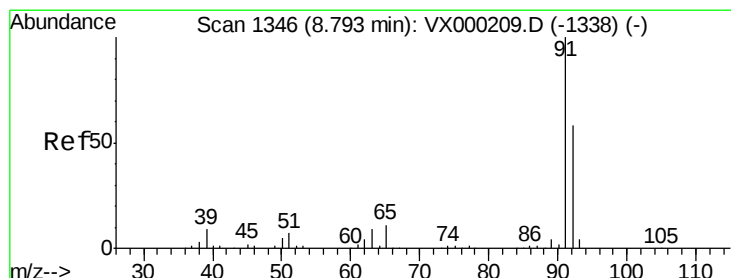
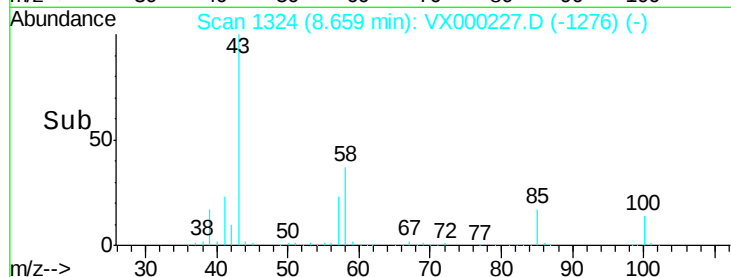
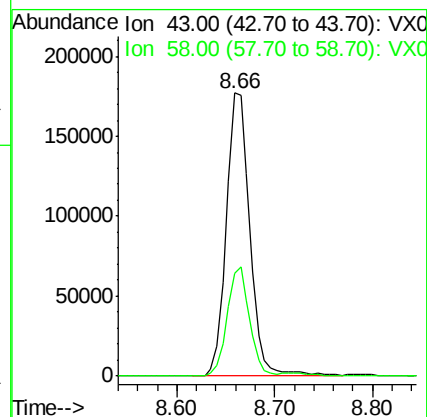
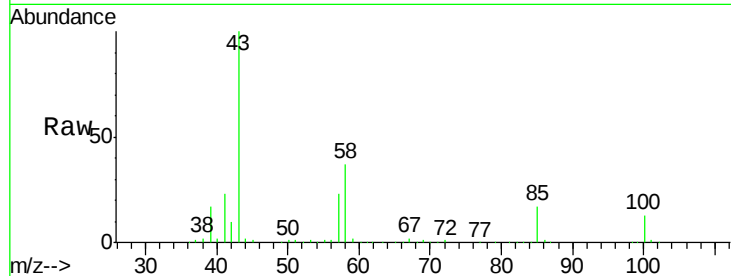
58 36.5 30.2 45.2

Manual Integrations

APPROVED

apatel

3/9/2018 9:38:25 AM



#52

Toluene

Concen: 19.07 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VX000227.D

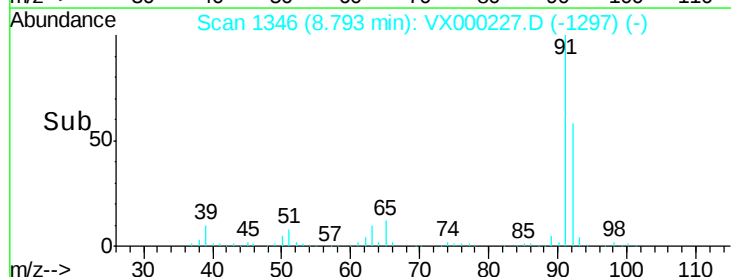
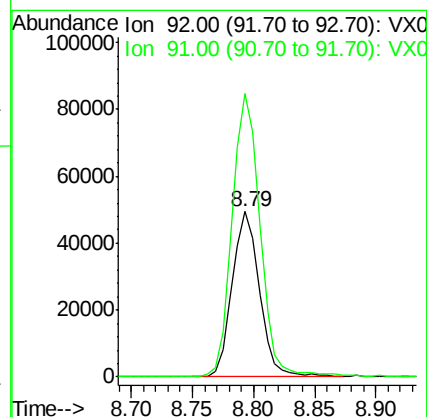
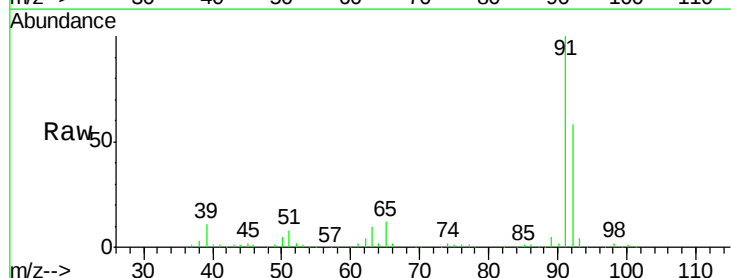
Acq: 08 Mar 2018 18:29

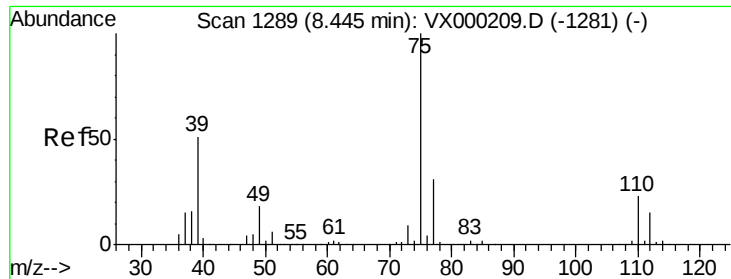
Tgt Ion: 92 Resp: 76608

Ion Ratio Lower Upper

92 100

91 174.7 139.0 208.6





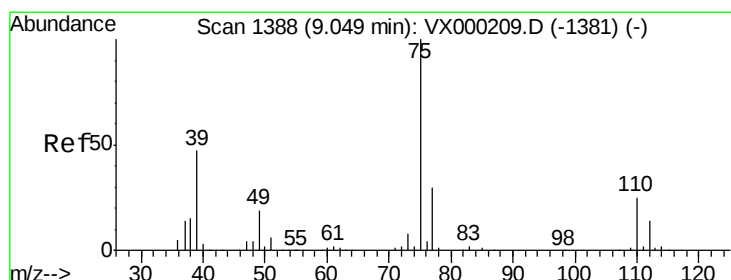
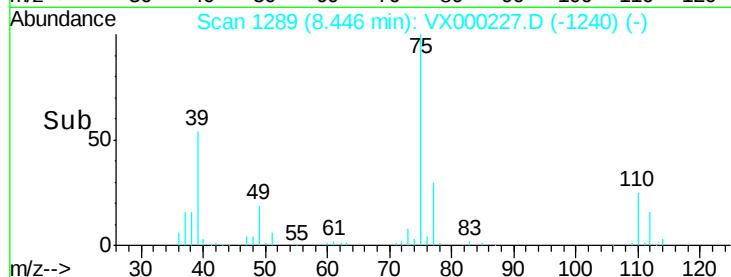
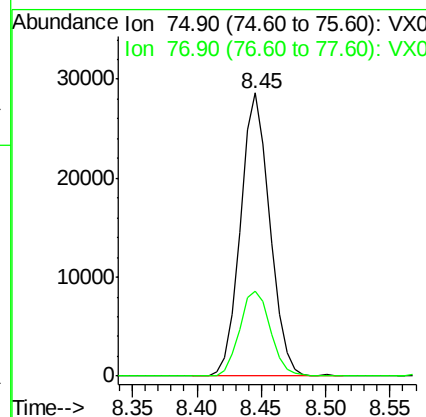
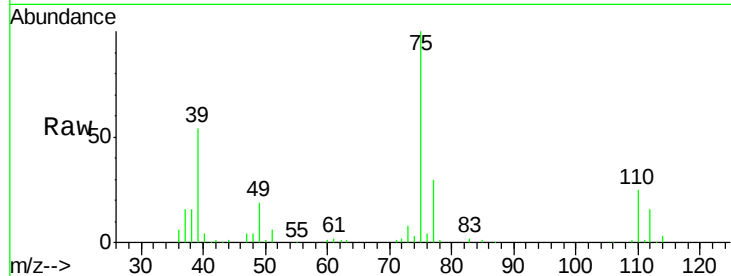
#53
 t-1,3-Dichloropropene
 Concen: 18.55 ug/l
 RT: 8.45 min Scan# 1289
 Delta R.T. 0.00 min
 Lab File: VX000227.D
 Acq: 08 Mar 2018 18:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0308MBS01

Tot Ion: 75 Resp: 45168
 Ion Ratio Lower Upper
 75 100
 77 30.1 24.8 37.2

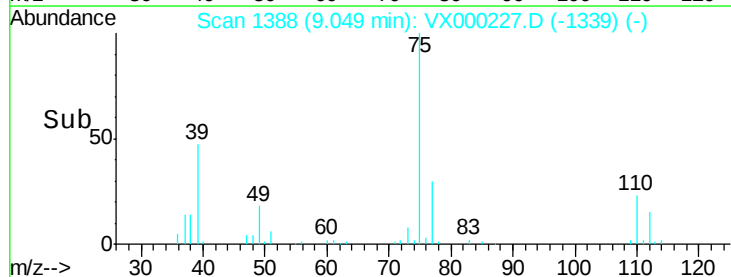
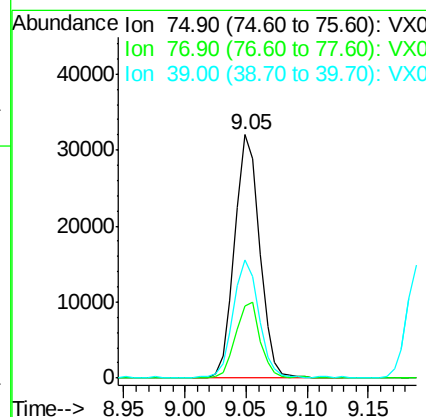
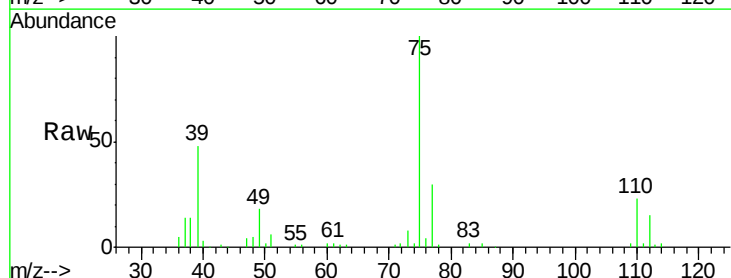
Manual Integrations
 APPROVED

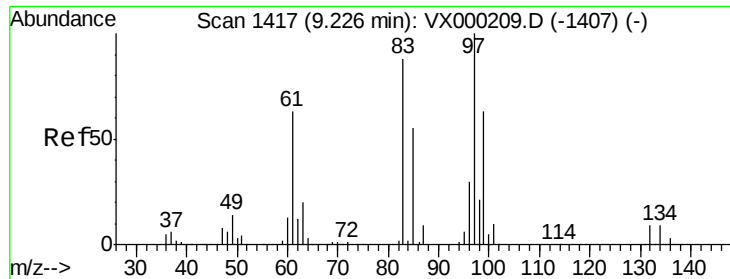
apatel
 3/9/2018 9:38:25 AM



#54
 cis-1,3-Dichloropropene
 Concen: 19.19 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VX000227.D
 Acq: 08 Mar 2018 18:29

Tgt Ion: 75 Resp: 45207
 Ion Ratio Lower Upper
 75 100
 77 29.7 23.9 35.9
 39 48.2 37.4 56.2





#55

1,1,2-Trichloroethane

Concen: 19.02 ug/l

RT: 9.23 min Scan# 1417

Delta R.T. 0.00 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

Instrument :

MSVOA_X

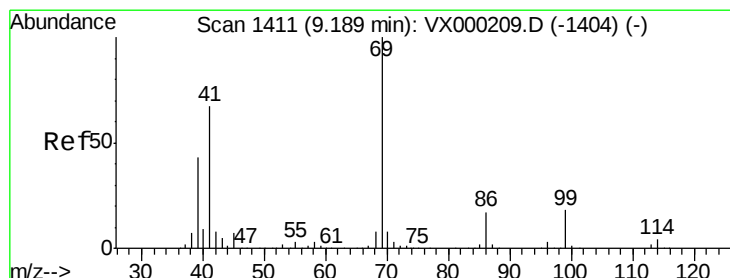
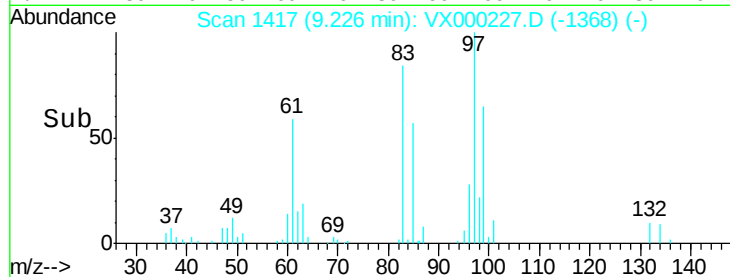
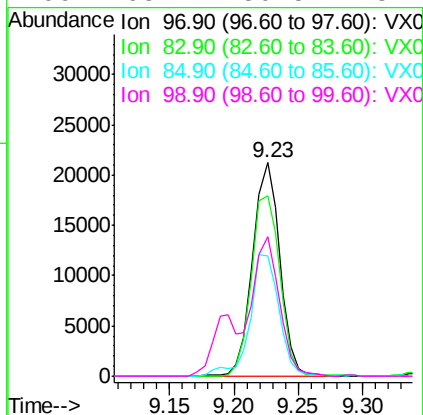
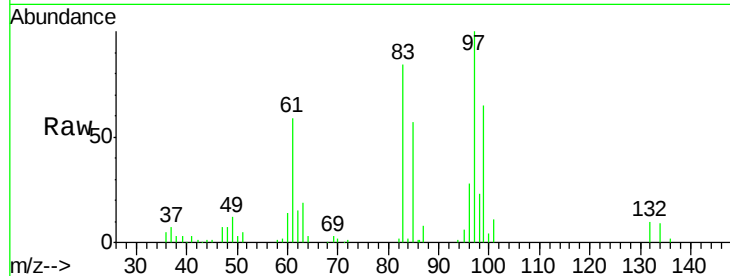
ClientSampleId :

VX0308MBS01

Tot Ion:	97	Resp:	30944
Ion	Ratio	Lower	Upper
97	100		
83	84.5	70.4	105.6
85	56.6	43.9	65.9
99	65.2	50.5	75.7

Manual Integrations
APPROVED

apatel
3/9/2018 9:38:25 AM



#56

Ethyl methacrylate

Concen: 19.69 ug/l

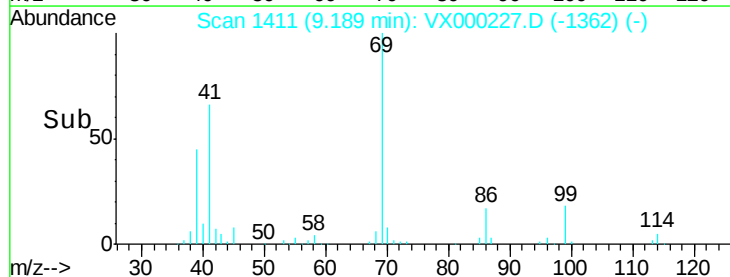
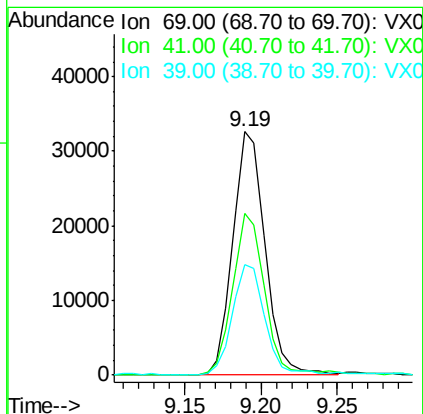
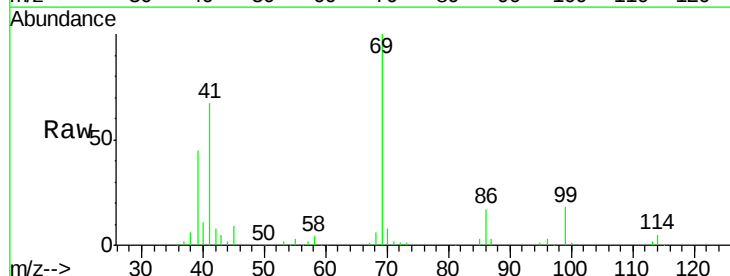
RT: 9.19 min Scan# 1411

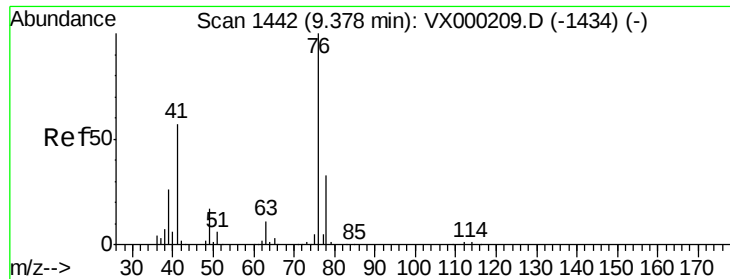
Delta R.T. 0.00 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

Tgt Ion:	69	Resp:	47934
Ion	Ratio	Lower	Upper
69	100		
41	66.8	52.2	78.2
39	45.0	34.3	51.5





#57

1,3-Dichloropropane

Concen: 18.99 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

Instrument :

MSVOA_X

ClientSampleId :

VX0308MBS01

Tot Ion: 76 Resp: 51872

Ion Ratio Lower Upper

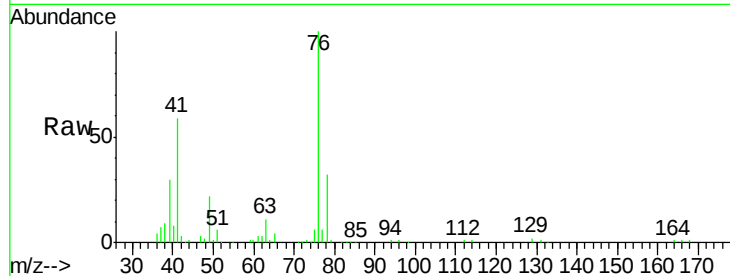
76 100

78 32.1 26.2 39.2

Manual Integrations
APPROVED

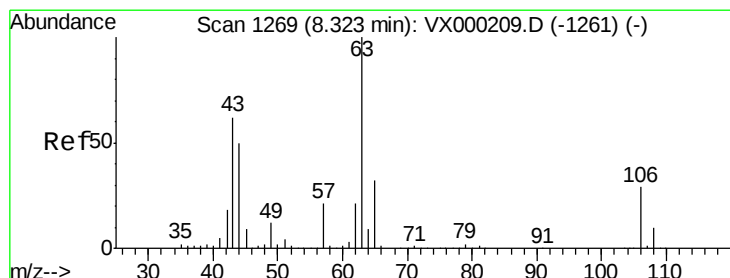
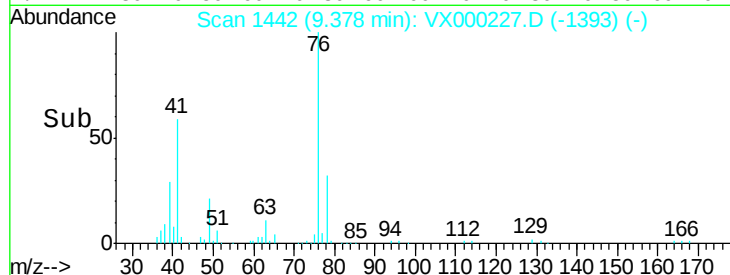
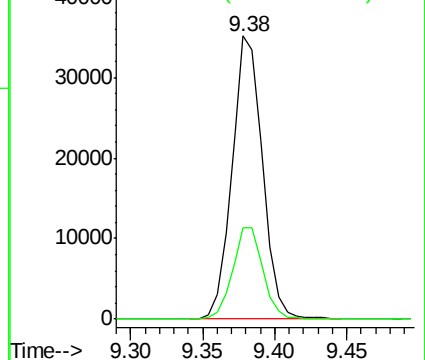
apatel

3/9/2018 9:38:25 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 102.50 ug/l

RT: 8.32 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VX000227.D

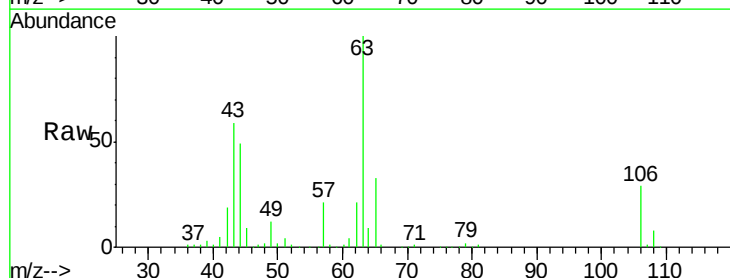
Acq: 08 Mar 2018 18:29

Tgt Ion: 63 Resp: 126012

Ion Ratio Lower Upper

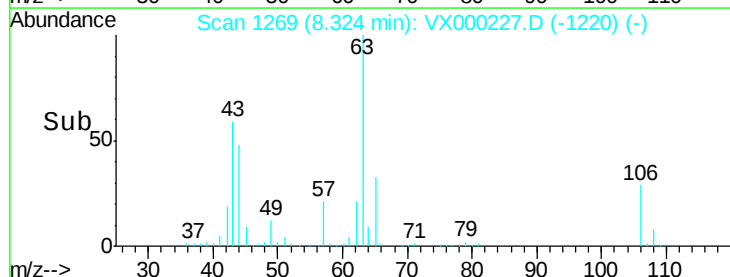
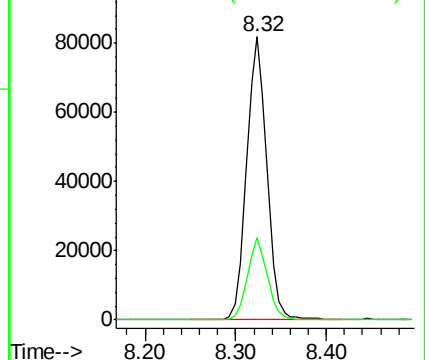
63 100

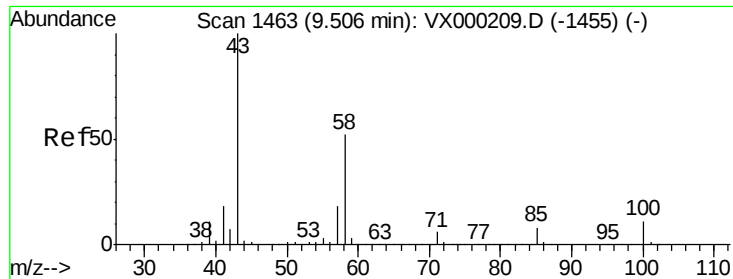
106 28.6 23.2 34.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





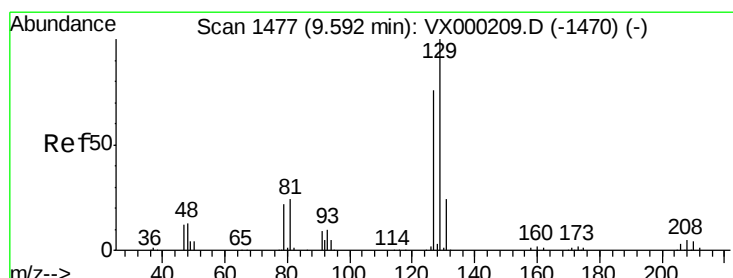
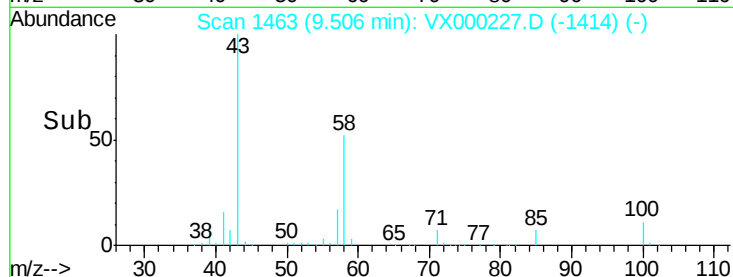
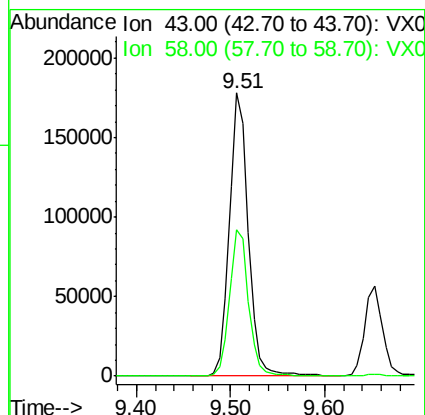
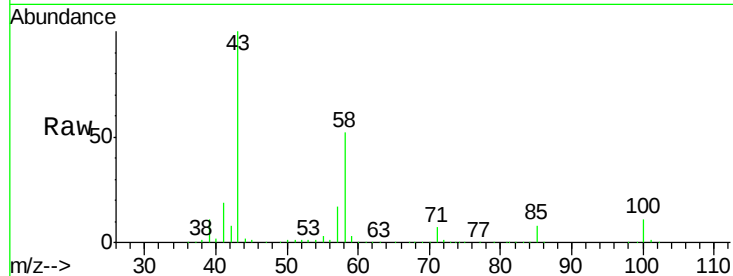
#59
2-Hexanone
Concen: 90.87 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX000227.D
Acq: 08 Mar 2018 18:29

Instrument :
MSVOA_X
ClientSampled :
VX0308MBS01

Tot Ion: 43 Resp: 248336
Ion Ratio Lower Upper
43 100
58 52.1 26.6 79.7

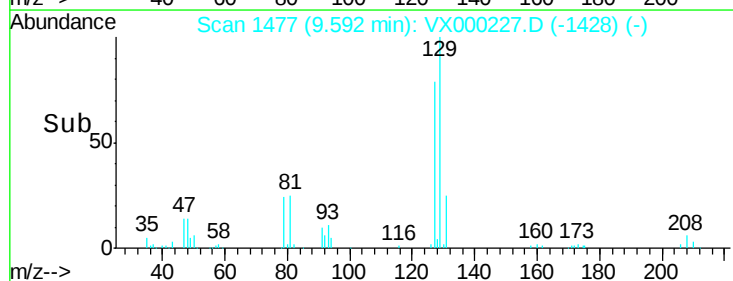
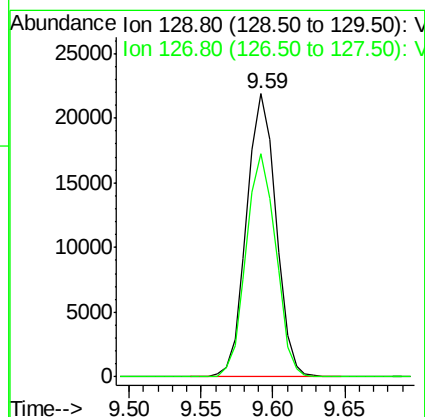
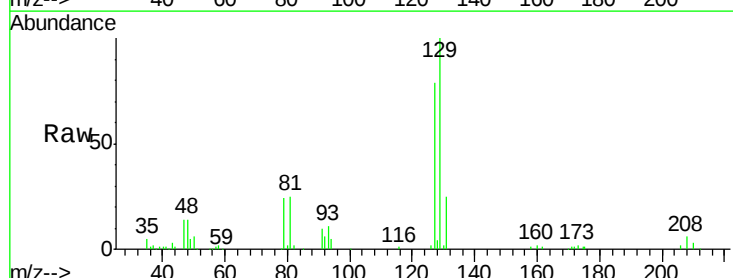
Manual Integrations
APPROVED

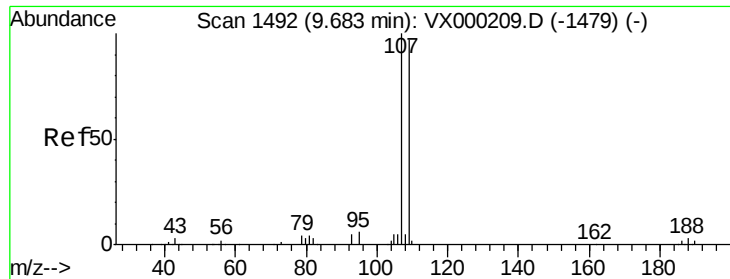
apatel
3/9/2018 9:38:25 AM



#60
Dibromochloromethane
Concen: 18.09 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX000227.D
Acq: 08 Mar 2018 18:29

Tgt Ion: 129 Resp: 31033
Ion Ratio Lower Upper
129 100
127 79.7 39.1 117.2





#61

1,2-Dibromoethane

Concen: 18.69 ug/l

RT: 9.68 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

Instrument :

MSVOA_X

ClientSampleId :

VX0308MBS01

Tot Ion:107 Resp: 33764

Ion Ratio Lower Upper

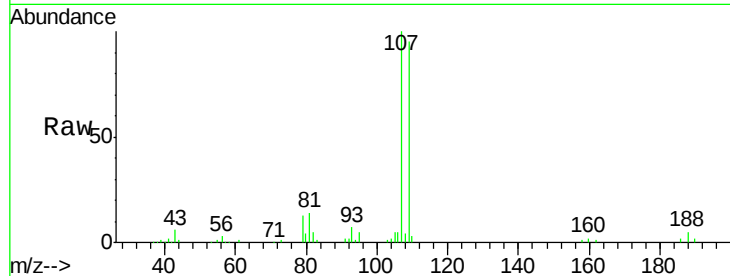
107 100

109 97.2 76.8 115.2

Manual Integrations
APPROVED

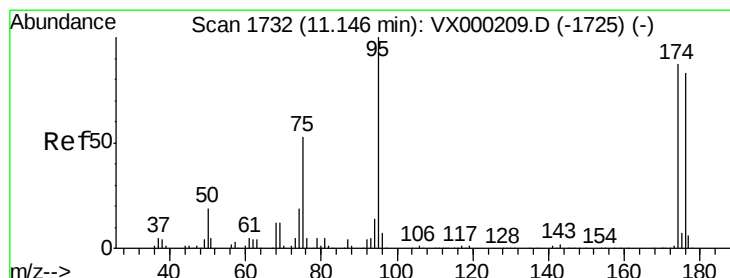
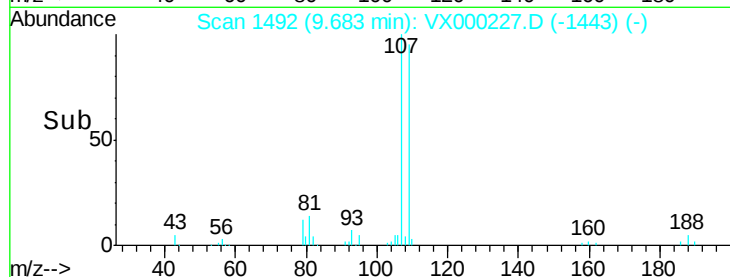
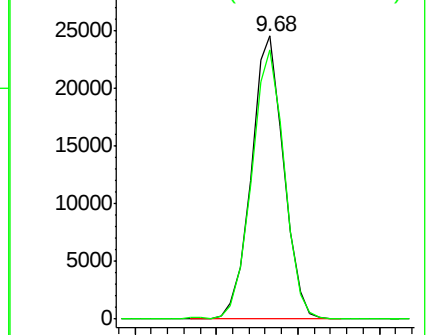
apatel

3/9/2018 9:38:25 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 45.61 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

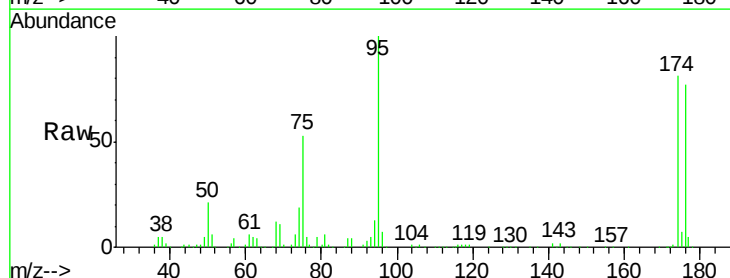
Tgt Ion: 95 Resp: 105787

Ion Ratio Lower Upper

95 100

174 84.1 0.0 175.6

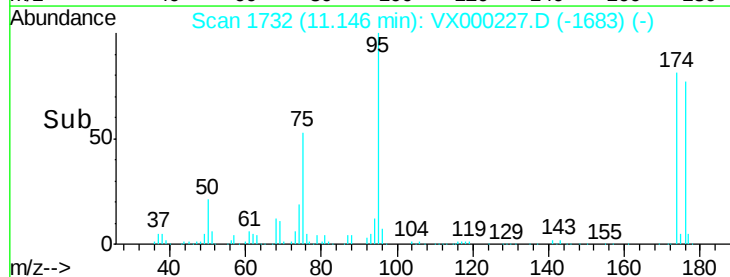
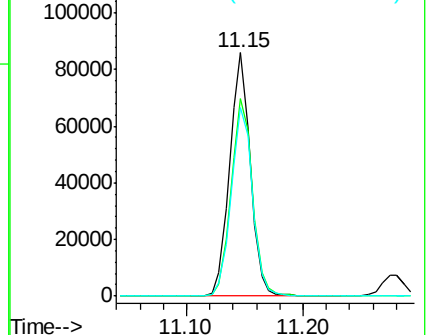
176 80.5 0.0 171.0

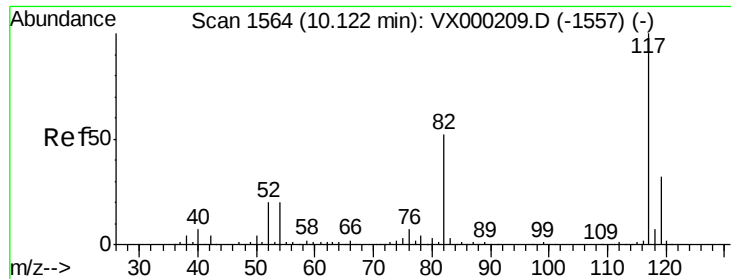


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





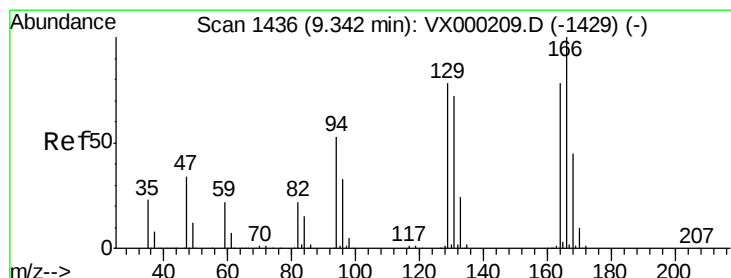
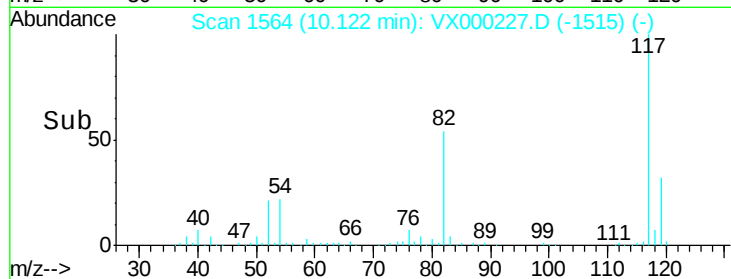
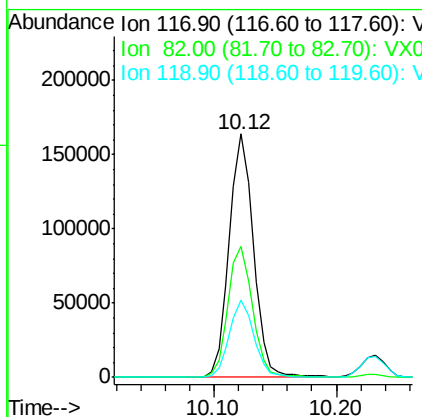
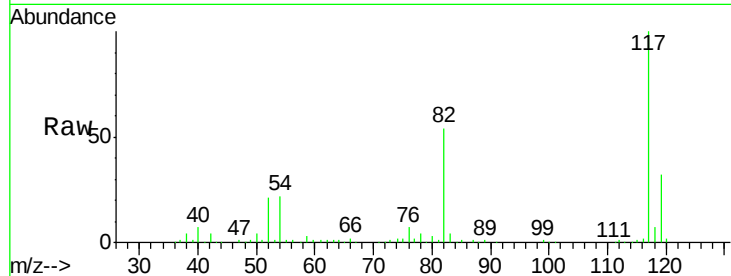
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX000227.D
Acq: 08 Mar 2018 18:29

Instrument :
MSVOA_X
ClientSampled :
VX0308MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	42.0	63.0
119	32.0	25.3	37.9

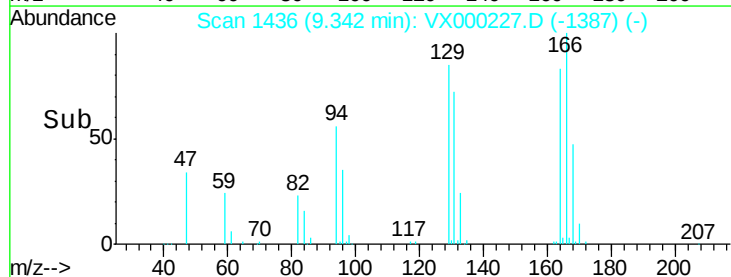
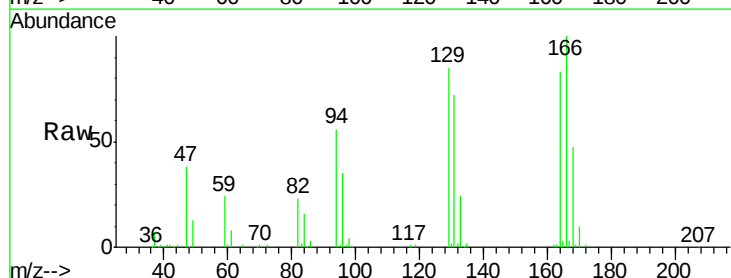
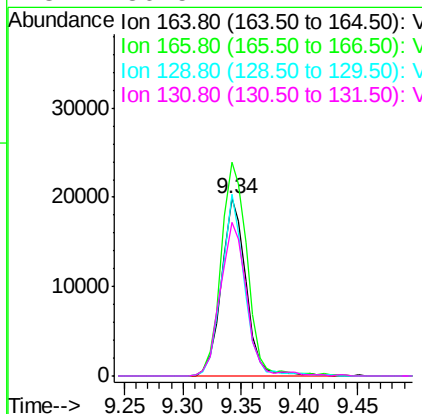
Manual Integrations
APPROVED

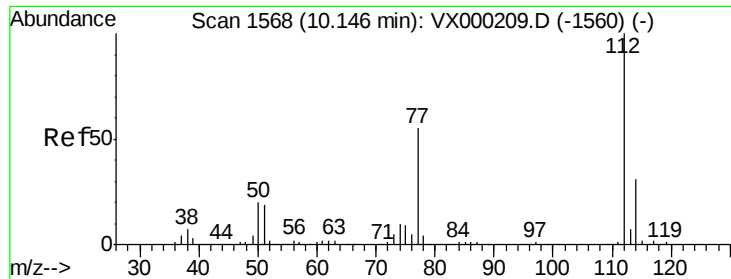
apatel
3/9/2018 9:38:25 AM



#64
Tetrachloroethene
Concen: 18.33 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX000227.D
Acq: 08 Mar 2018 18:29

Tgt Ion	Ratio	Lower	Upper
164	100		
166	120.1	103.0	154.6
129	102.4	80.2	120.4
131	86.5	74.2	111.4





#65

Chlorobenzene

Concen: 19.18 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

Instrument :

MSVOA_X

ClientSampled :

VX0308MBS01

Tot Ion:112 Resp: 87499

Ion Ratio Lower Upper

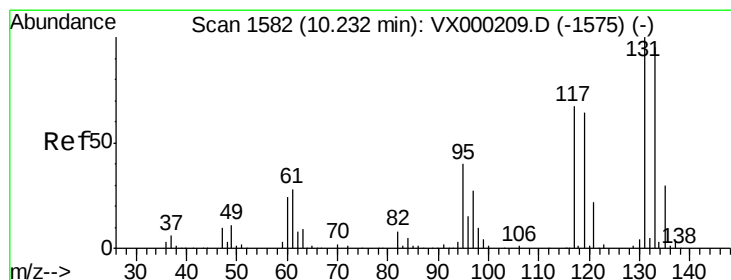
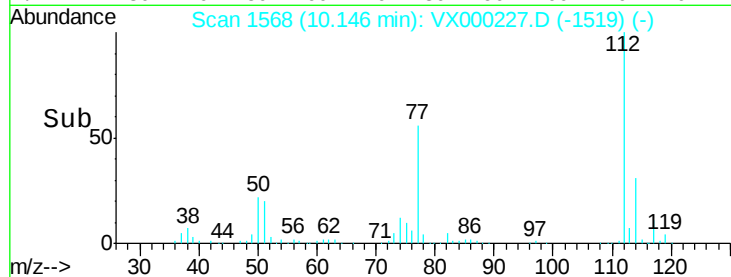
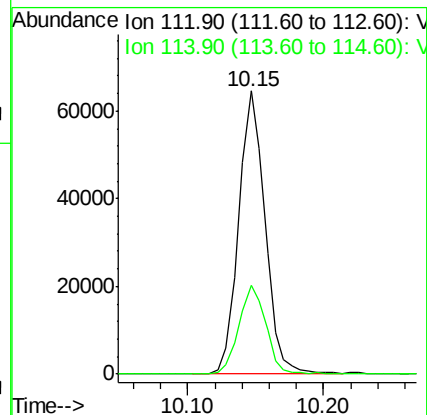
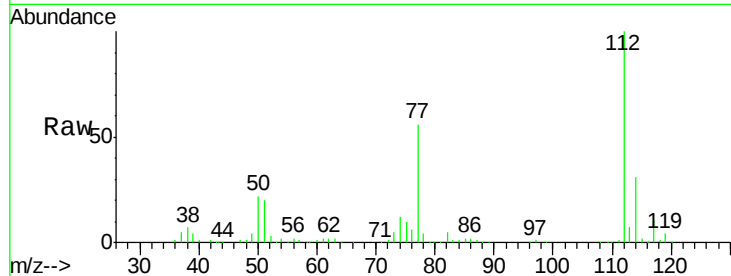
112 100

114 31.4 25.0 37.4

Manual Integrations
APPROVED

apatel

3/9/2018 9:38:25 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 19.10 ug/l

RT: 10.23 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

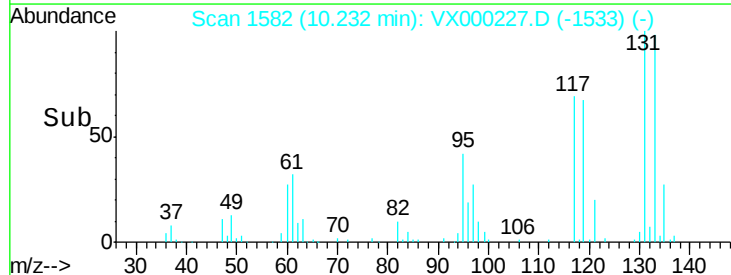
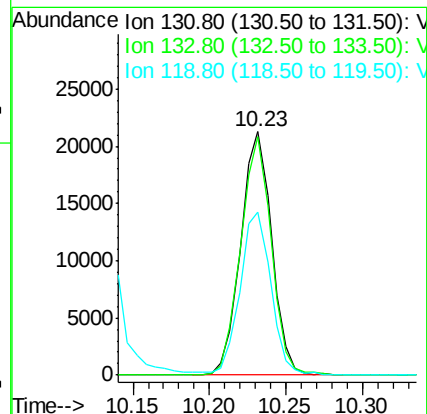
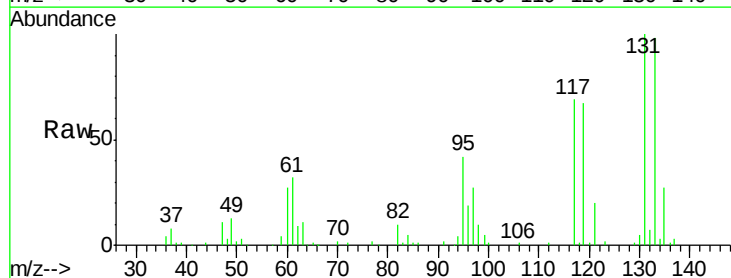
Tgt Ion:131 Resp: 29798

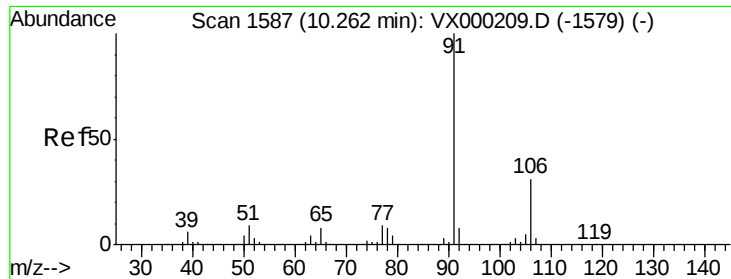
Ion Ratio Lower Upper

131 100

133 96.9 48.3 144.9

119 67.2 32.3 96.8





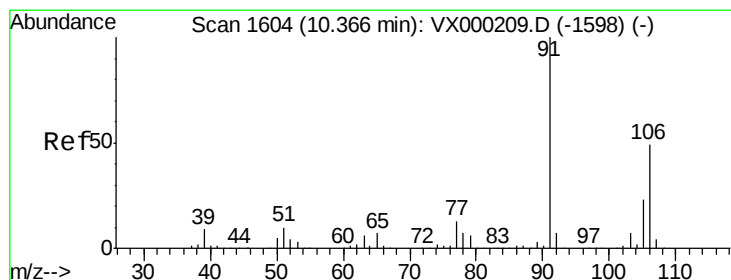
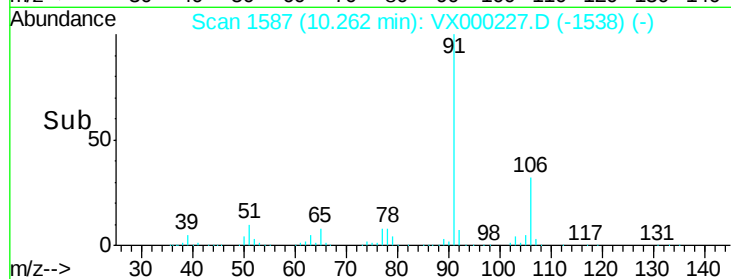
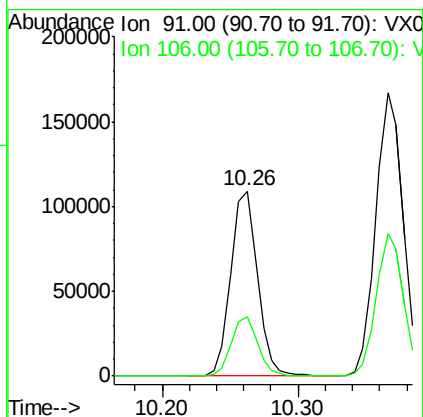
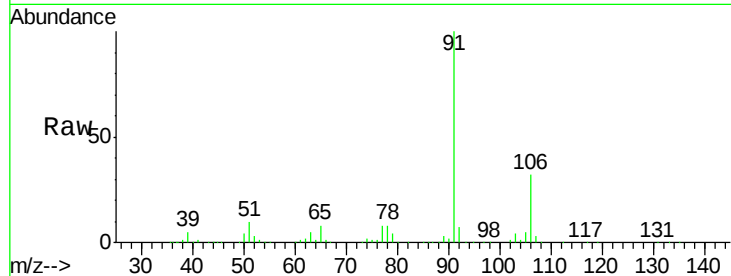
#67
Ethyl Benzene
Concen: 18.95 ug/l
RT: 10.26 min Scan# 1587
Delta R.T. 0.00 min
Lab File: VX000227.D
Acq: 08 Mar 2018 18:29

Instrument :
MSVOA_X
ClientSampleId :
VX0308MBS01

Tot Ion: 91 Resp: 150865
Ion Ratio Lower Upper
91 100
106 32.3 25.2 37.8

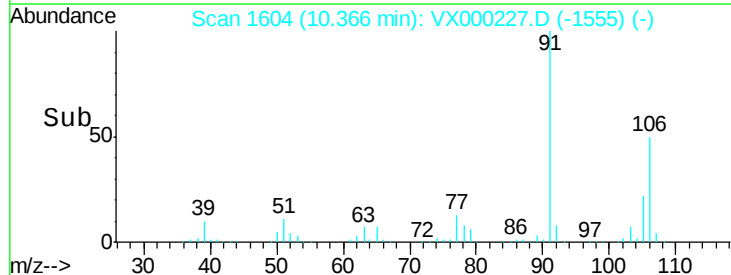
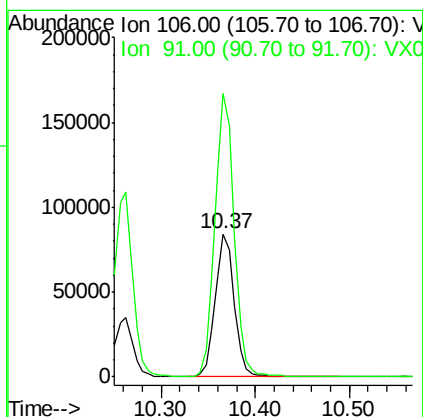
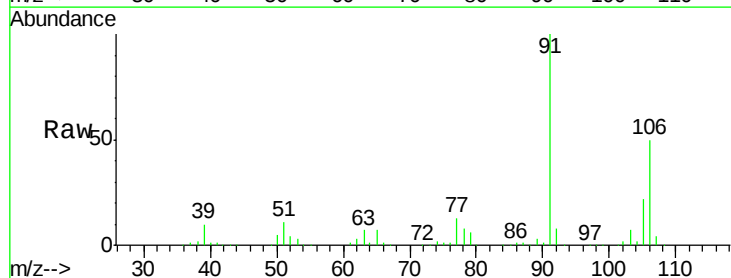
Manual Integrations
APPROVED

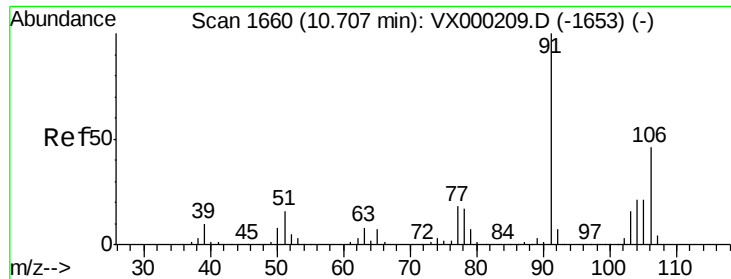
apatel
3/9/2018 9:38:25 AM



#68
m/p-Xylenes
Concen: 38.49 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX000227.D
Acq: 08 Mar 2018 18:29

Tgt Ion: 106 Resp: 117959
Ion Ratio Lower Upper
106 100
91 200.0 160.9 241.3





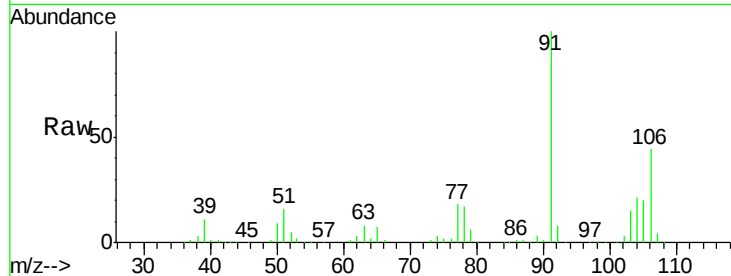
#69
o-Xylene
Concen: 19.25 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX000227.D
Acq: 08 Mar 2018 18:29

Instrument :
MSVOA_X
ClientSampled :
VX0308MBS01

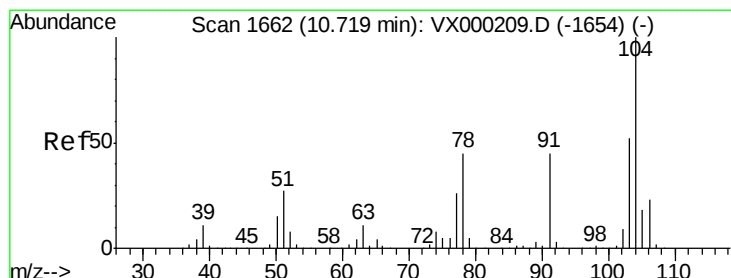
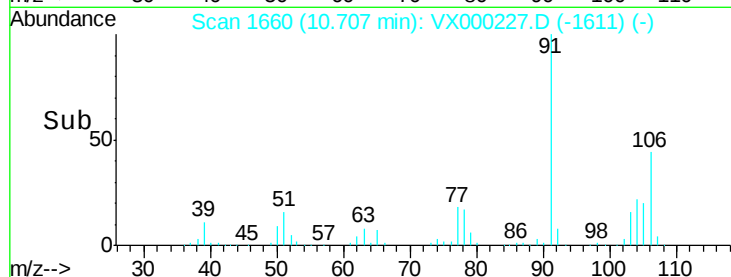
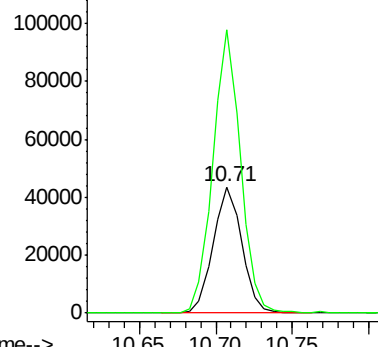
Tot Ion:106 Resp: 56685
Ion Ratio Lower Upper
106 100
91 217.5 105.9 317.7

Manual Integrations
APPROVED

apatel
3/9/2018 9:38:25 AM

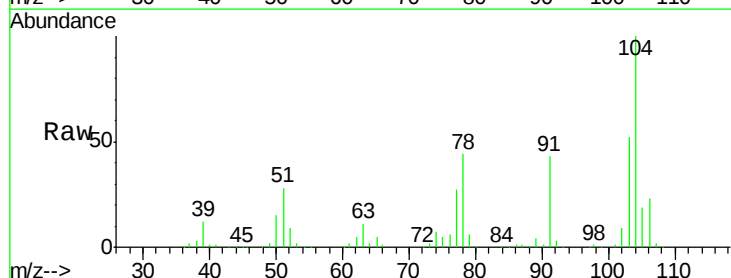


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

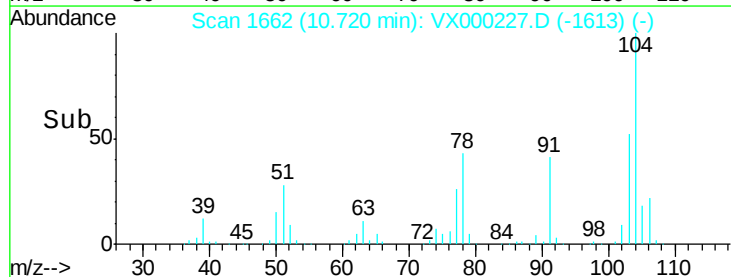
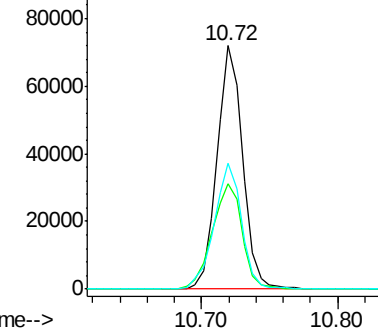


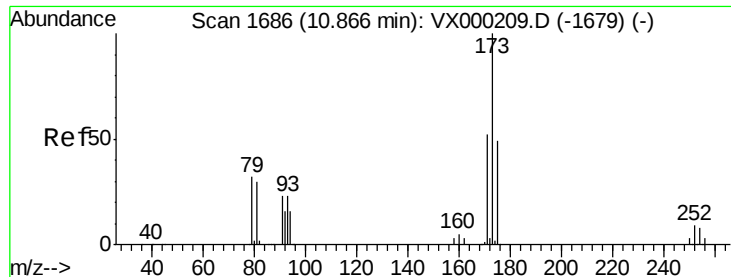
#70
Styrene
Concen: 19.40 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX000227.D
Acq: 08 Mar 2018 18:29

Tgt Ion:104 Resp: 94766
Ion Ratio Lower Upper
104 100
78 50.8 39.6 59.4
103 55.5 45.0 67.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





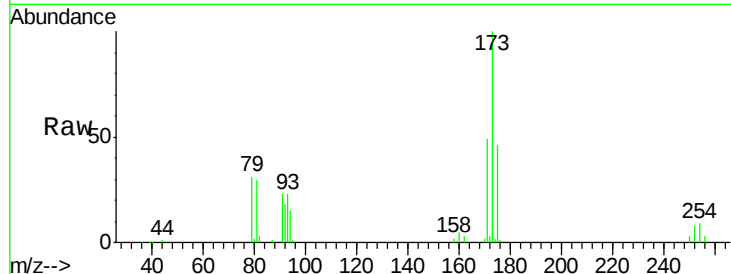
#71
Bromoform
Concen: 17.13 ug/l
RT: 10.87 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VX000227.D
Acq: 08 Mar 2018 18:29

Instrument :
MSVOA_X
ClientSampleId :
VX0308MBS01

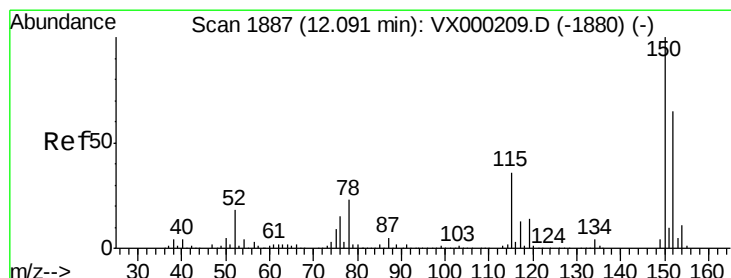
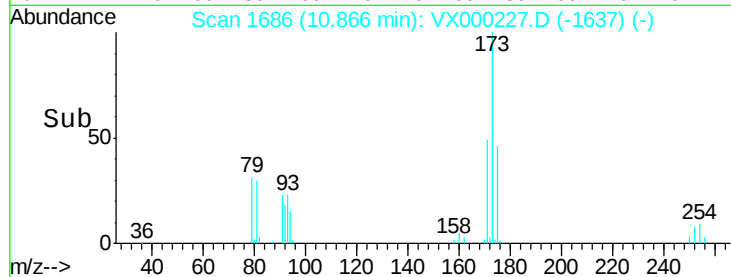
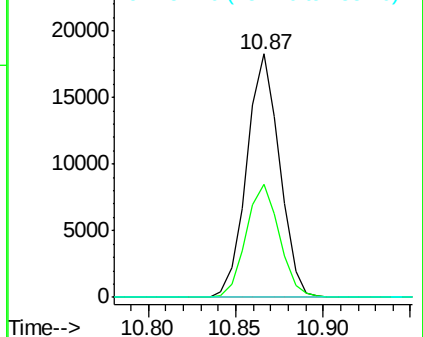
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.0	24.4	73.2
254	0.0	0.2	0.2

Manual Integrations
APPROVED

apatel
3/9/2018 9:38:25 AM

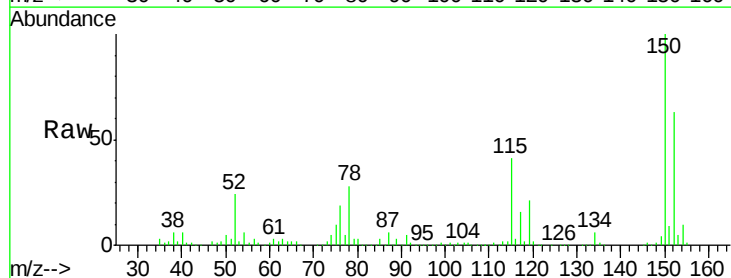


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

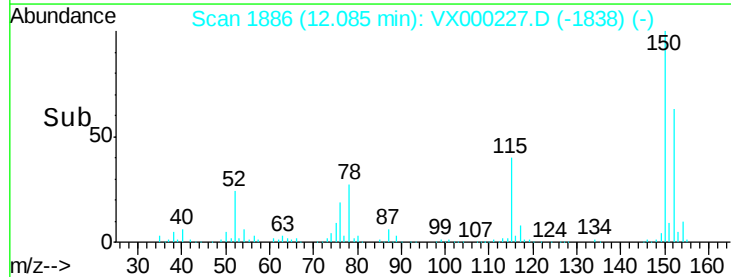
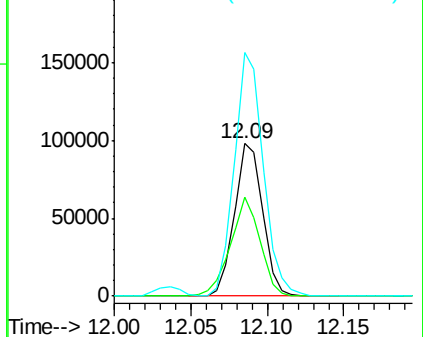


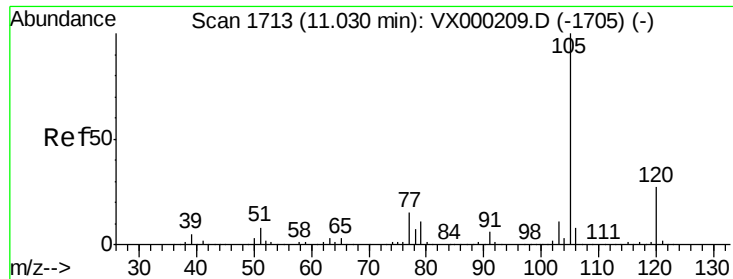
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.01 min
Lab File: VX000227.D
Acq: 08 Mar 2018 18:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	67.7	39.8	119.3
150	164.5	0.0	345.0



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





#73

Isopropylbenzene

Concen: 19.45 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.01 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

Instrument :

MSVOA_X

ClientSampled :

VX0308MBS01

Tot Ion: 105 Resp: 152012

Ion Ratio Lower Upper

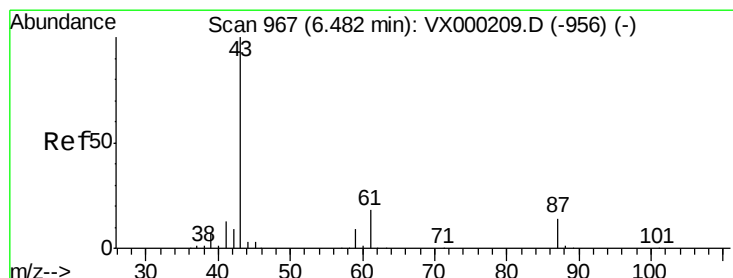
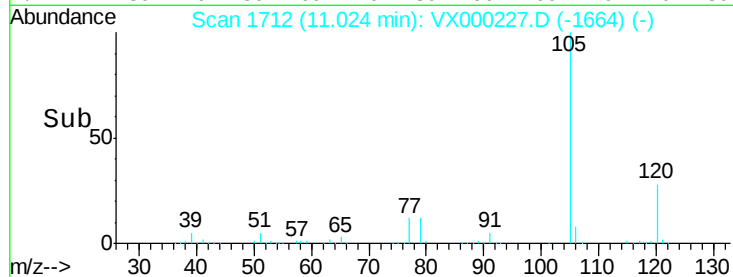
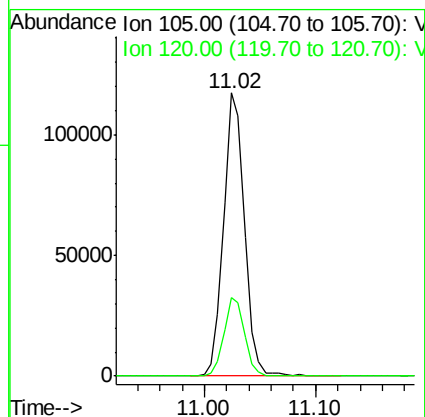
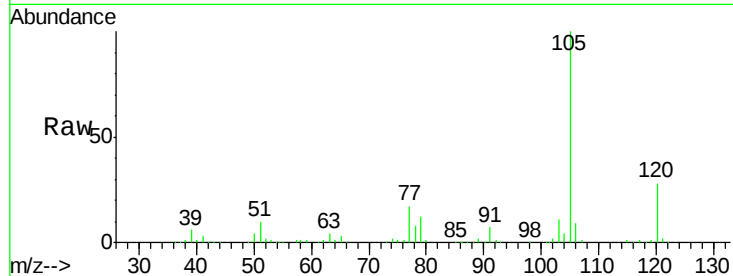
105 100

120 27.6 13.5 40.4

Manual Integrations
APPROVED

apatel

3/9/2018 9:38:25 AM



#74

N-ethyl acetate

Concen: 19.56 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.00 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

Tgt Ion: 43 Resp: 78225

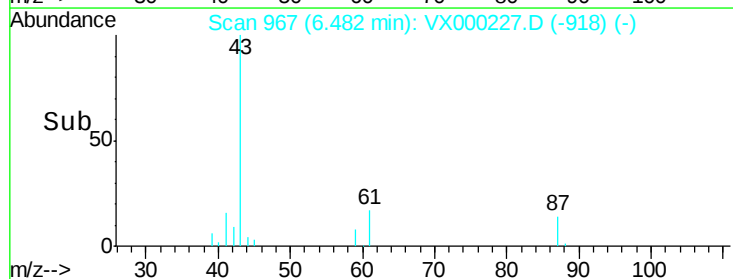
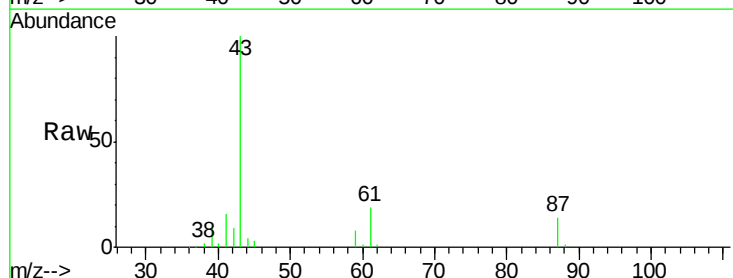
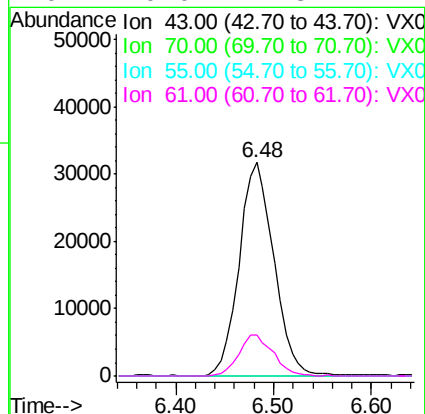
Ion Ratio Lower Upper

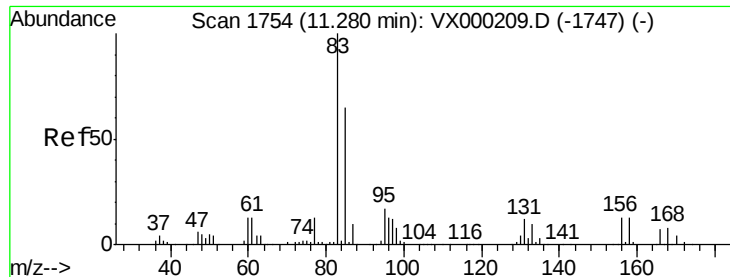
43 100

70 0.0 0.0 0.0#

55 0.0 0.0 0.0

61 19.0 14.8 22.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.09 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.01 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

Instrument :

MSVOA_X

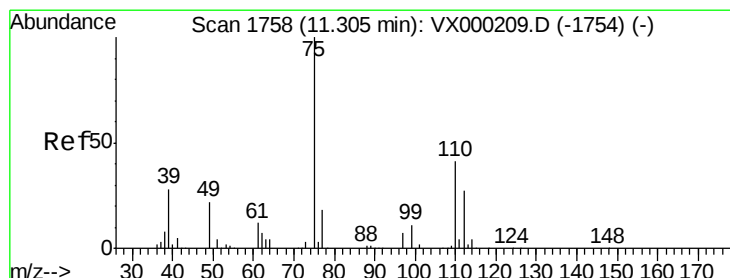
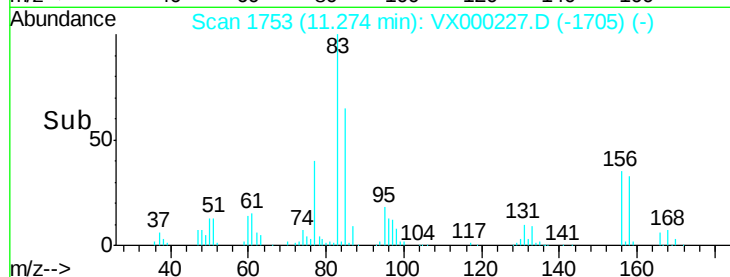
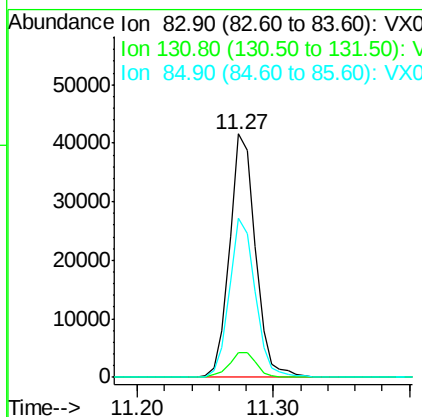
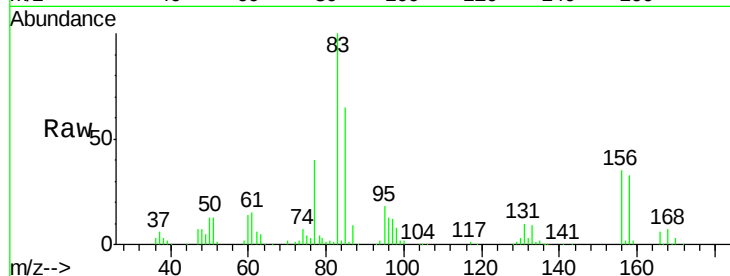
ClientSampled :

VX0308MBS01

Tot Ion:	83	Resp:	55046
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.5	16.5
85	65.6	32.5	97.4

Manual Integrations
APPROVED

apatel
3/9/2018 9:38:25 AM



#76

1,2,3-Trichloropropane

Concen: 19.59 ug/l m

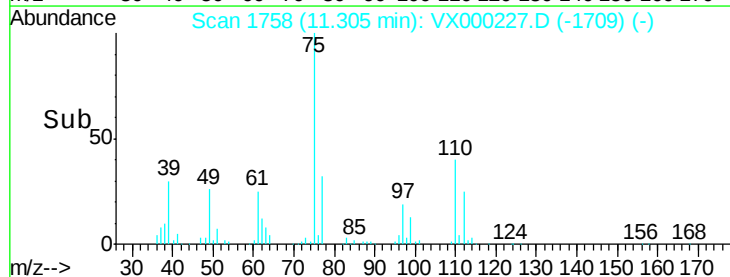
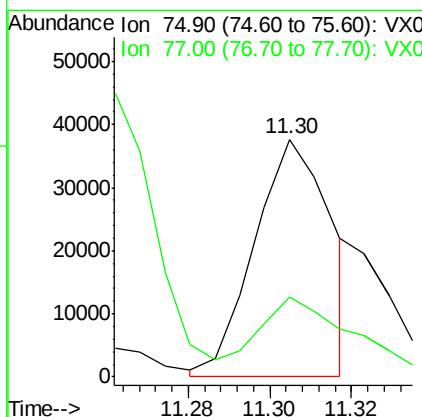
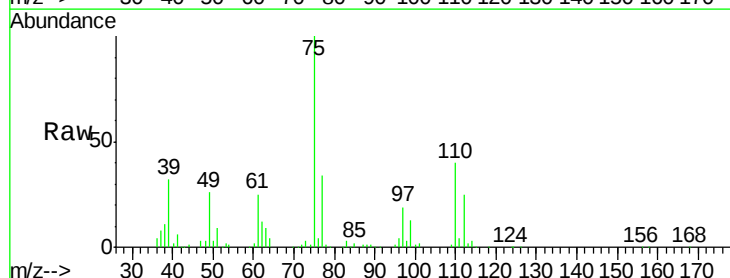
RT: 11.30 min Scan# 1758

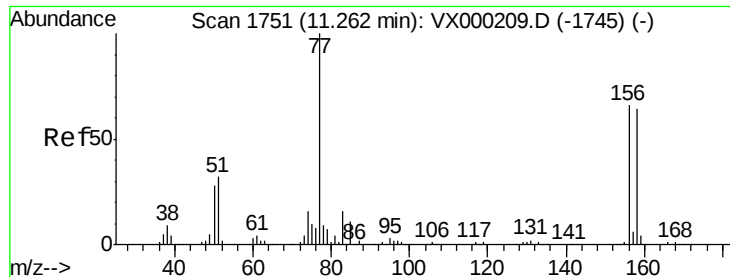
Delta R.T. 0.00 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

Tgt Ion:	75	Resp:	49036
Ion Ratio	Lower	Upper	
75	100		
77	42.1	22.3	66.8





#77

Bromobenzene

Concen: 19.32 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

Instrument :

MSVOA_X

ClientSampleId :

VX0308MBS01

Tot Ion:156 Resp: 39049

Ion Ratio Lower Upper

156 100

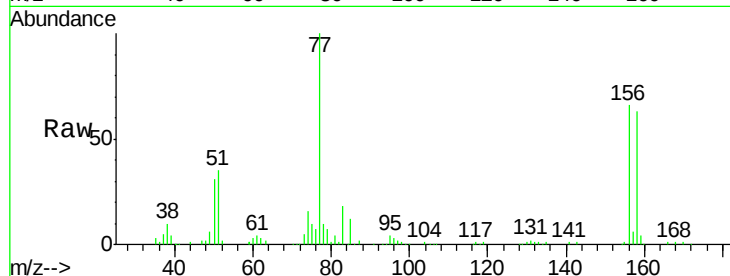
77 149.7 71.9 215.7

158 95.8 48.0 144.2

Manual Integrations
APPROVED

apatel

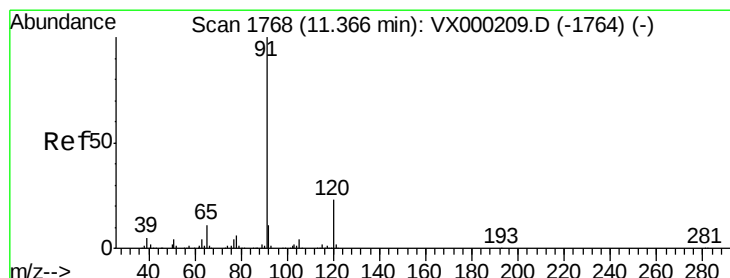
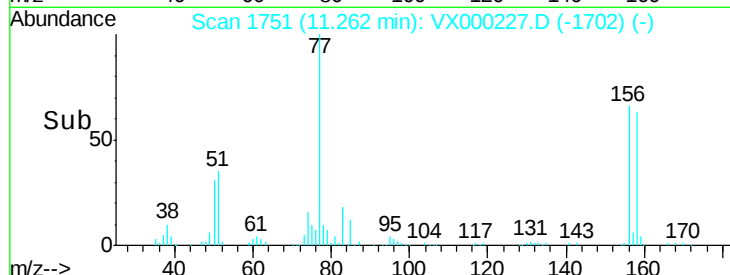
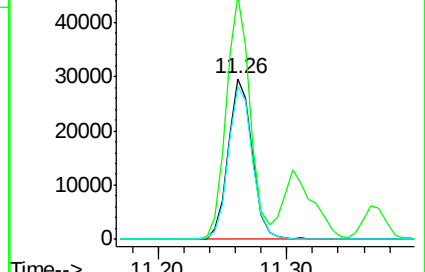
3/9/2018 9:38:25 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.59 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX000227.D

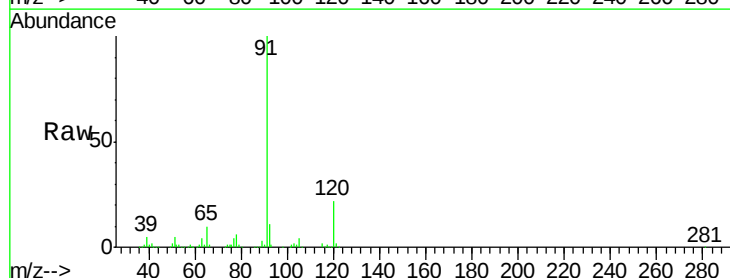
Acq: 08 Mar 2018 18:29

Tgt Ion: 91 Resp: 180248

Ion Ratio Lower Upper

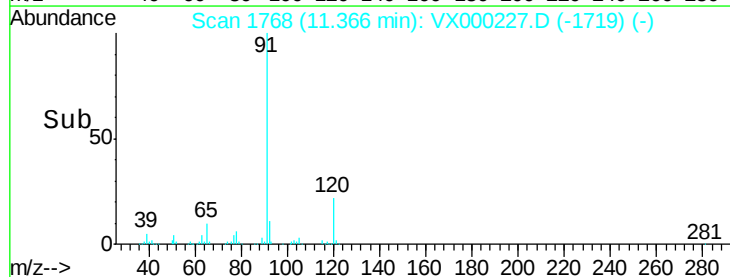
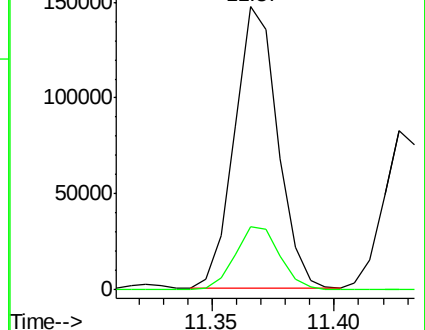
91 100

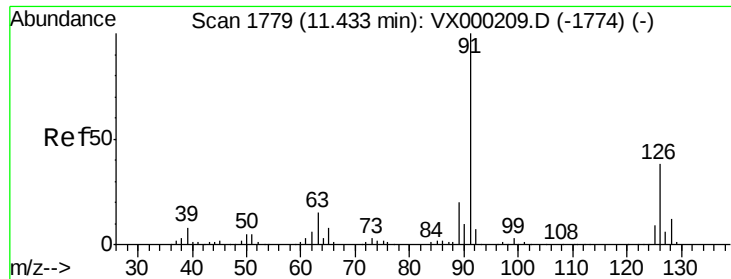
120 23.4 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.05 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

Instrument :

MSVOA_X

ClientSampleId :

VX0308MBS01

Tot Ion: 91 Resp: 104064

Ion Ratio Lower Upper

91 100

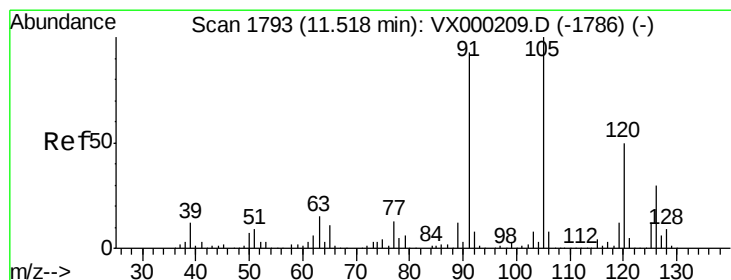
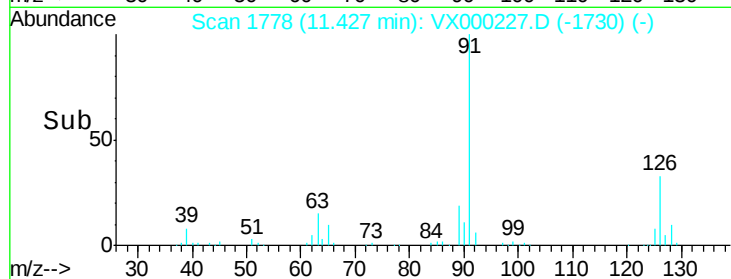
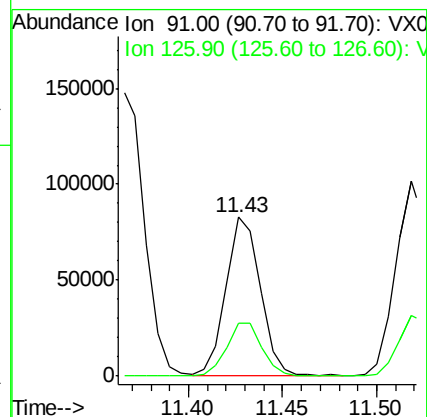
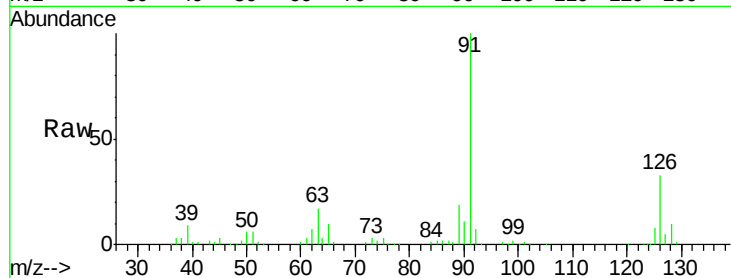
126 34.9 18.4 55.2

Manual Integrations

APPROVED

apatel

3/9/2018 9:38:25 AM



#80

1,3,5-Trimethylbenzene

Concen: 19.79 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.01 min

Lab File: VX000227.D

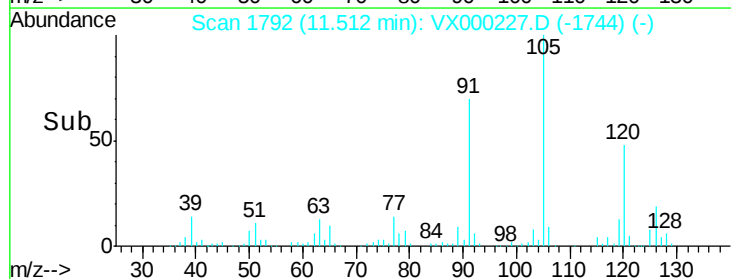
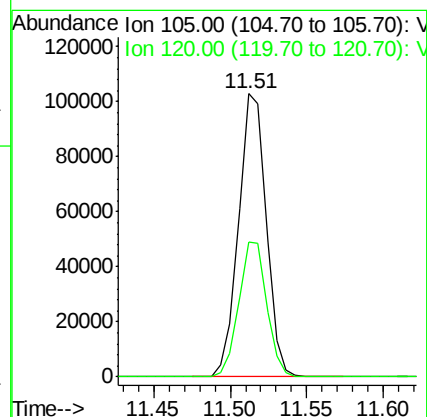
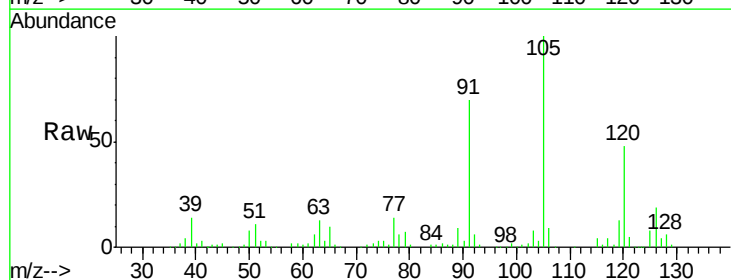
Acq: 08 Mar 2018 18:29

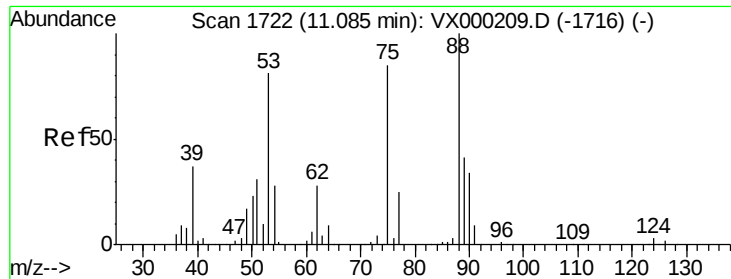
Tgt Ion: 105 Resp: 129130

Ion Ratio Lower Upper

105 100

120 48.2 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 18.08 ug/l

RT: 11.09 min Scan# 1722

Delta R.T. 0.00 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

Instrument :

MSVOA_X

ClientSampleId :

VX0308MBS01

Tot Ion: 75 Resp: 14776

Ion Ratio Lower Upper

75 100

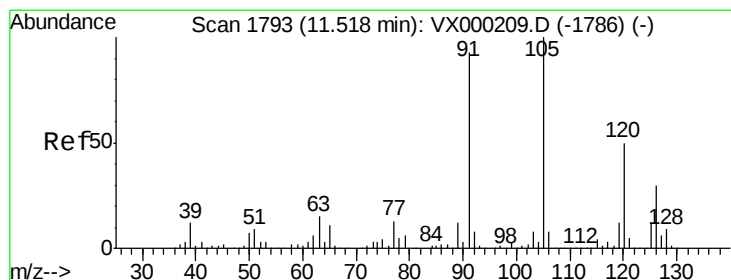
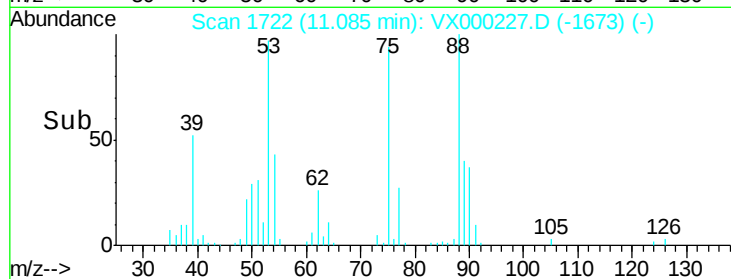
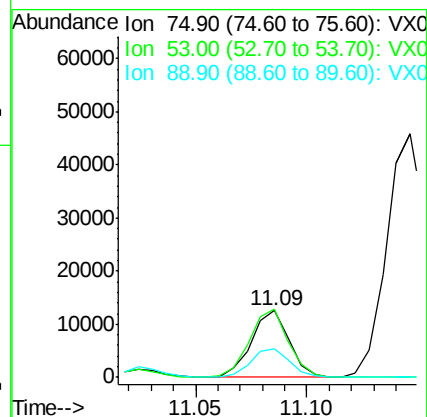
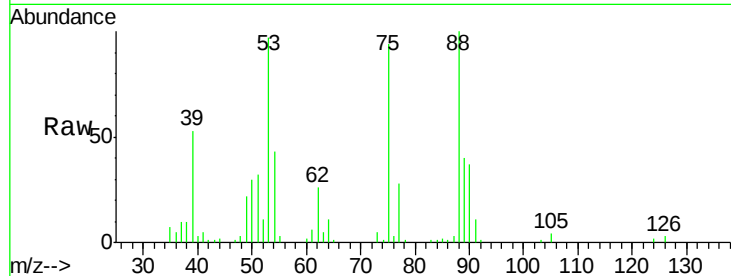
53 105.9 78.6 118.0

89 45.2 38.8 58.2

Manual Integrations
APPROVED

apatel

3/9/2018 9:38:25 AM



#82

4-Chlorotoluene

Concen: 20.41 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VX000227.D

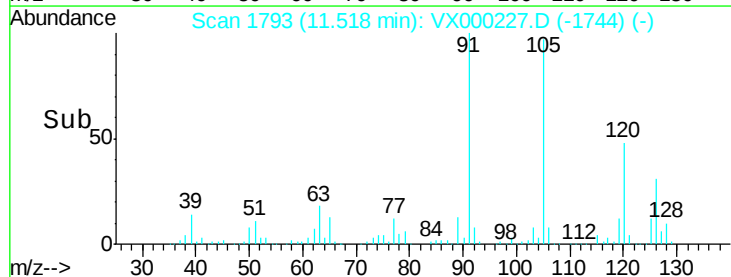
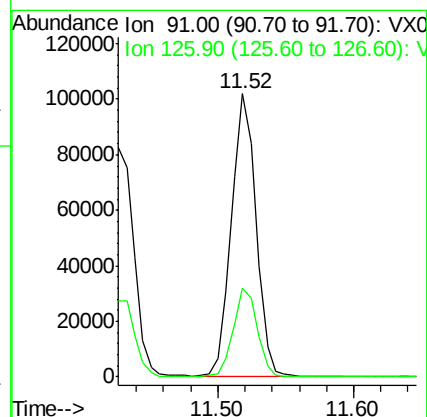
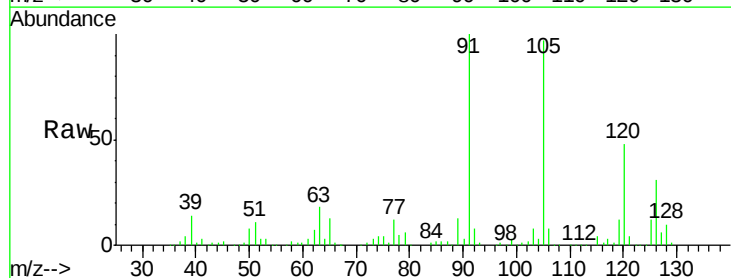
Acq: 08 Mar 2018 18:29

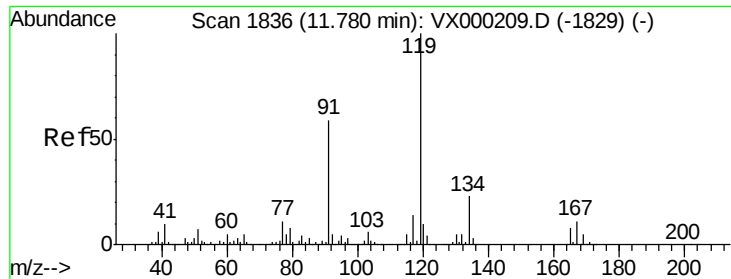
Tgt Ion: 91 Resp: 128776

Ion Ratio Lower Upper

91 100

126 30.4 16.0 48.0





#83

tert-Butylbenzene

Concen: 20.23 ug/l

RT: 11.78 min Scan# 1836

Delta R.T. 0.00 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

Instrument :

MSVOA_X

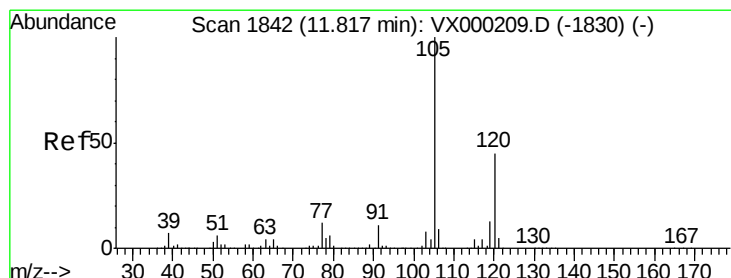
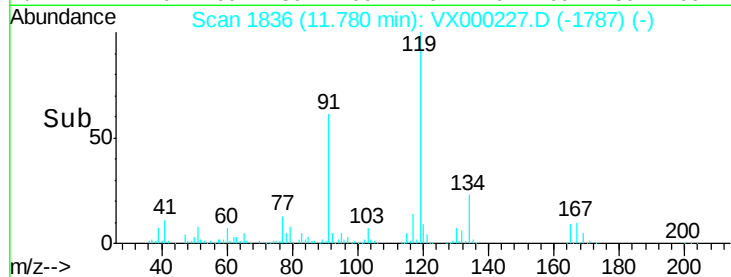
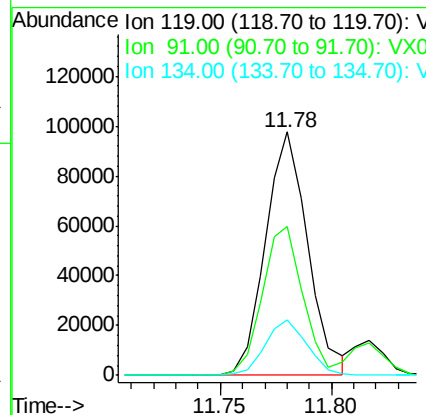
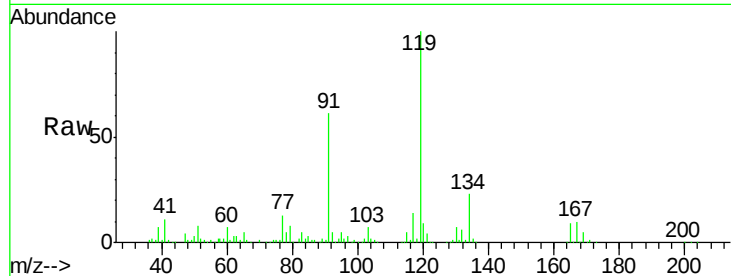
ClientSampleId :

VX0308MBS01

Tot Ion:	119	Resp:	128498
Ion Ratio	Lower	Upper	
119	100		
91	58.5	28.9	86.7
134	22.6	11.5	34.4

Manual Integrations
APPROVED

apatel
3/9/2018 9:38:25 AM



#84

1,2,4-Trimethylbenzene

Concen: 20.49 ug/l

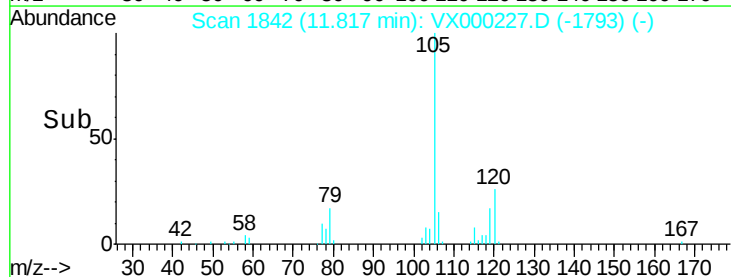
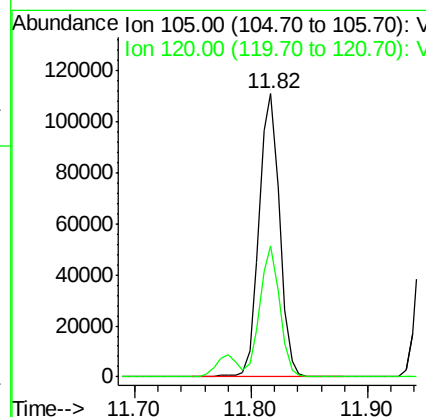
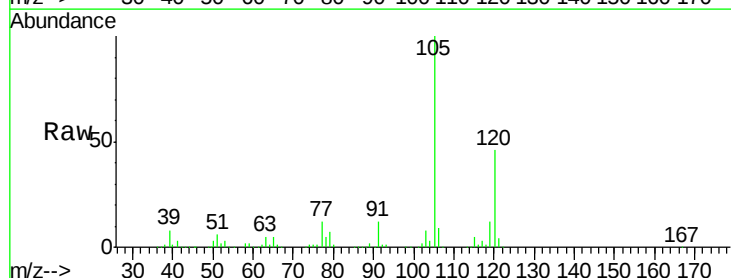
RT: 11.82 min Scan# 1842

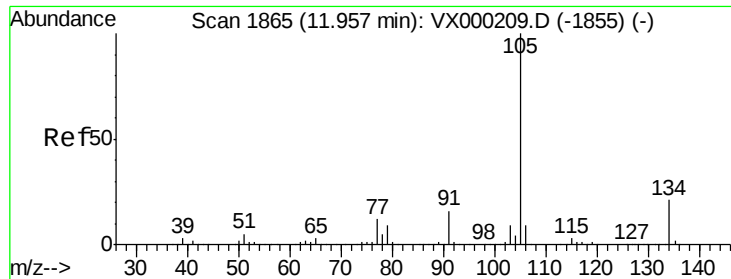
Delta R.T. 0.00 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

Tgt Ion:	105	Resp:	137501
Ion Ratio	Lower	Upper	
105	100		
120	44.5	23.0	69.0





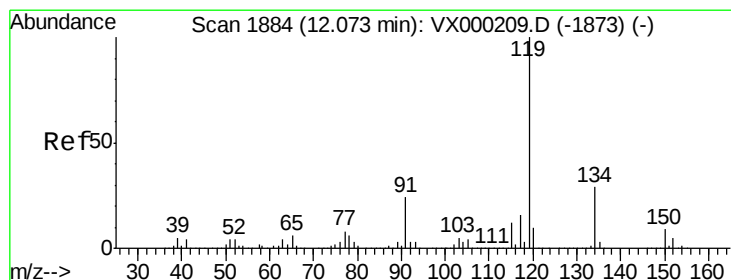
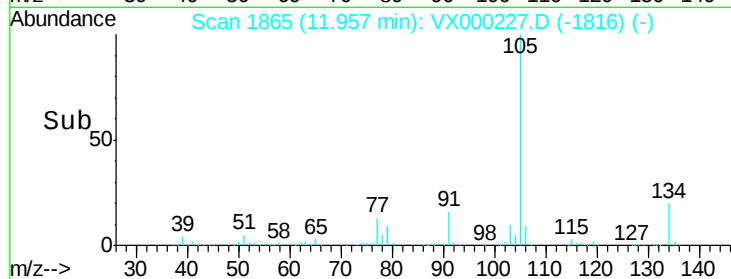
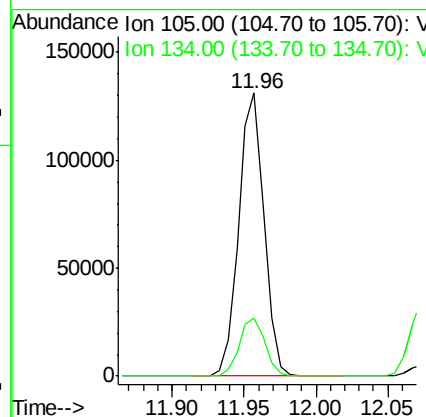
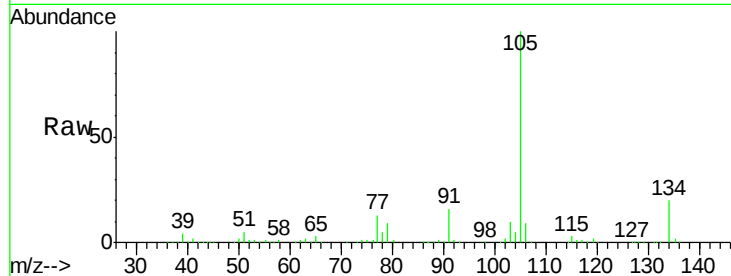
#85
 sec-Butylbenzene
 Concen: 20.03 ug/l
 RT: 11.96 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VX000227.D
 Acq: 08 Mar 2018 18:29

Instrument :
 MSVOA_X
 ClientSampled :
 VX0308MBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.7	10.3	30.9

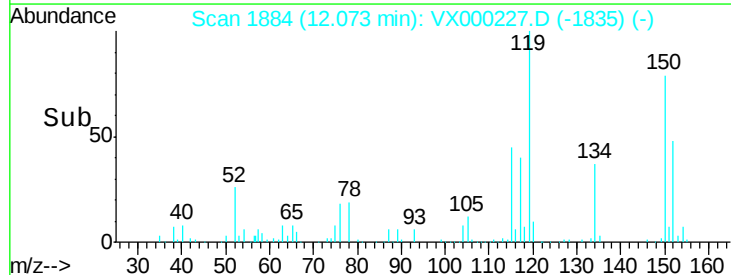
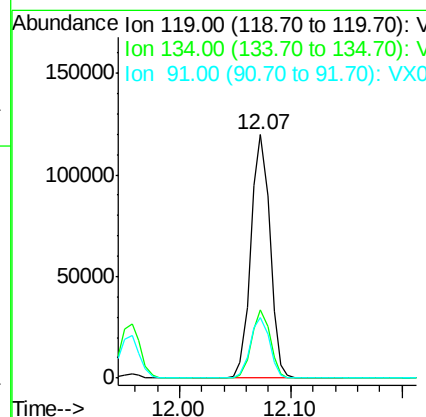
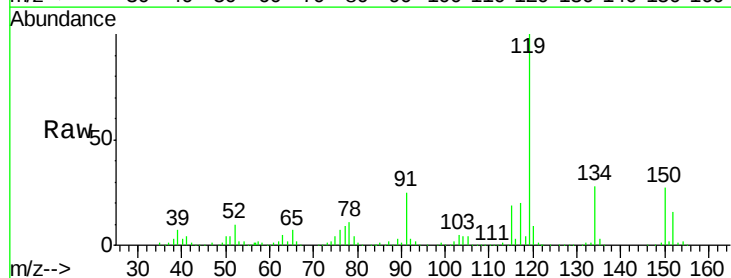
Manual Integrations
 APPROVED

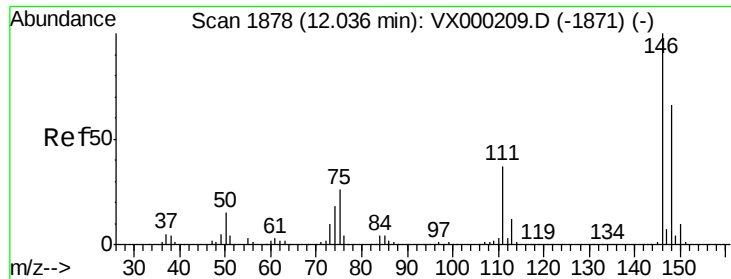
apatel
 3/9/2018 9:38:25 AM



#86
 p-Isopropyltoluene
 Concen: 20.16 ug/l
 RT: 12.07 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VX000227.D
 Acq: 08 Mar 2018 18:29

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.4	13.8	41.3
91	25.3	12.0	36.0





#87

1,3-Dichlorobenzene

Concen: 19.81 ug/l

RT: 12.04 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

Instrument :

MSVOA_X

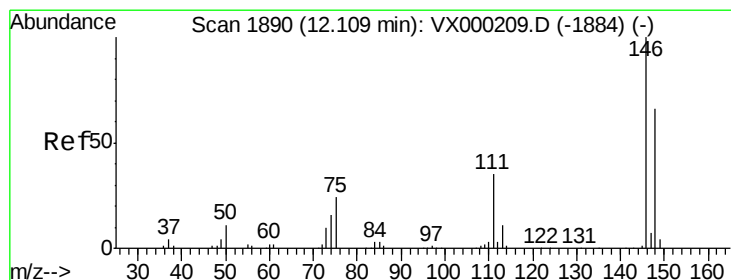
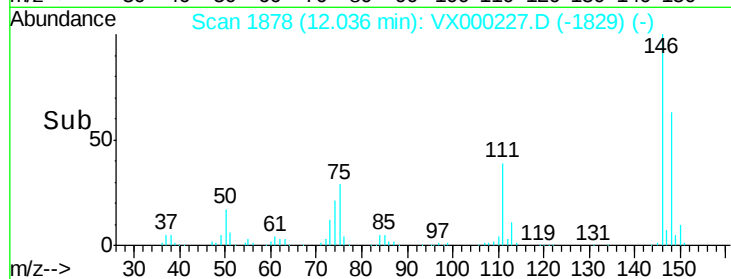
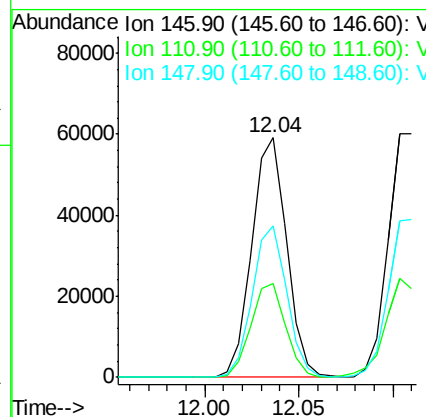
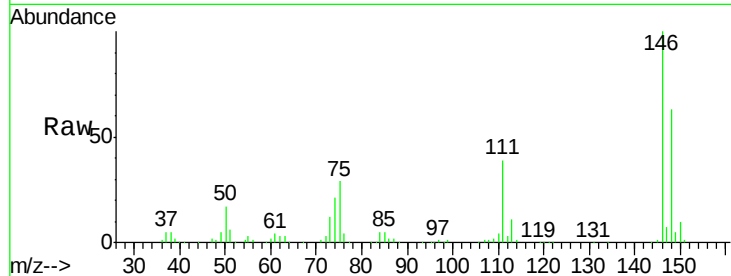
ClientSampled :

VX0308MBS01

Tot Ion:	146	Resp:	76126
Ion Ratio	Lower	Upper	
146	100		
111	39.2	19.0	57.0
148	62.5	32.1	96.3

Manual Integrations
APPROVED

apatel
3/9/2018 9:38:25 AM



#88

1,4-Dichlorobenzene

Concen: 19.29 ug/l

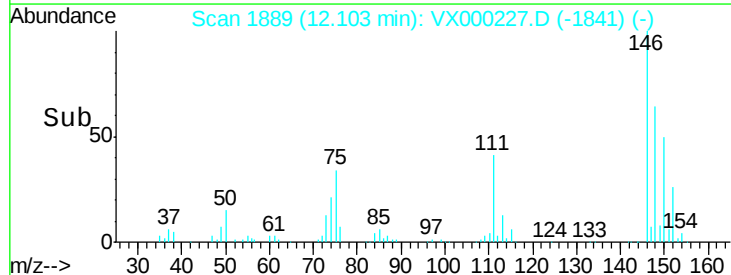
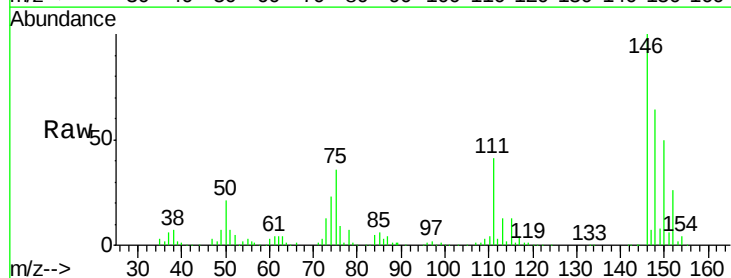
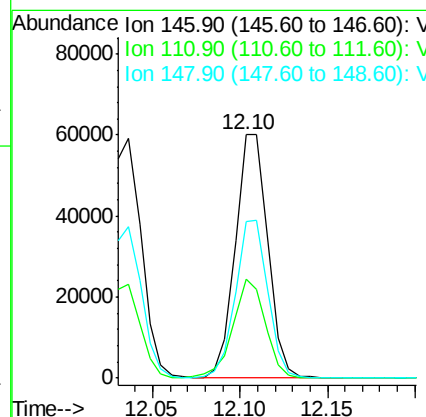
RT: 12.10 min Scan# 1889

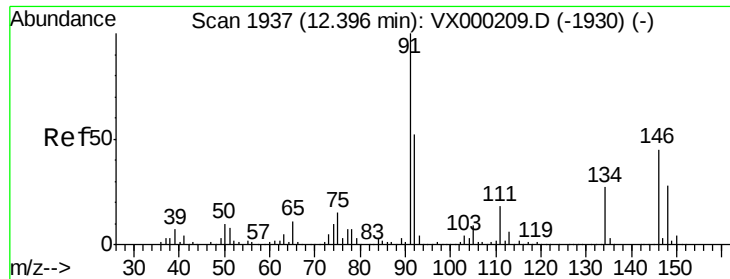
Delta R.T. -0.01 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

Tgt Ion:	146	Resp:	77694
Ion Ratio	Lower	Upper	
146	100		
111	40.6	18.9	56.9
148	64.9	32.6	97.8





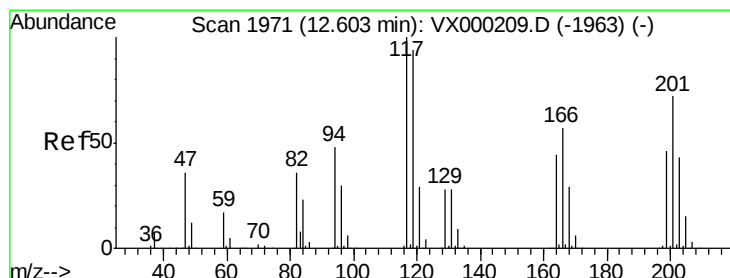
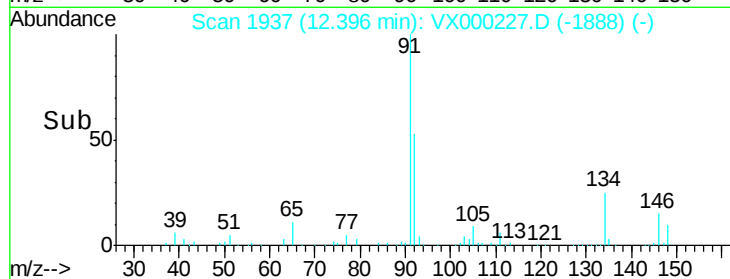
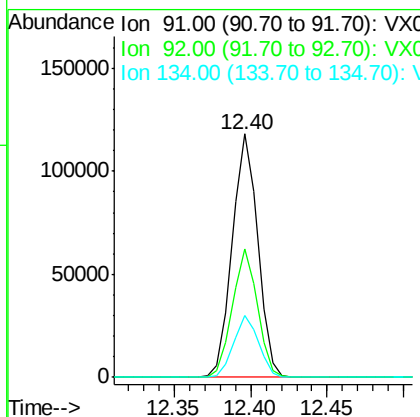
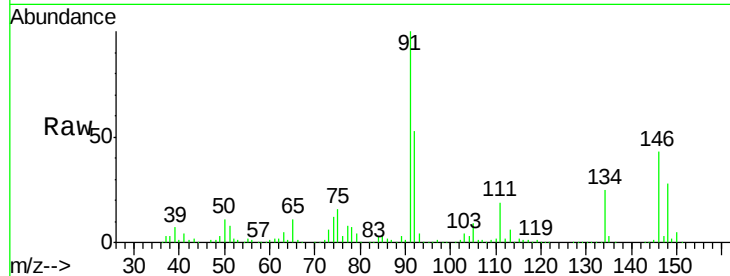
#89
n-Butylbenzene
Concen: 20.02 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX000227.D
Acq: 08 Mar 2018 18:29

Instrument :
MSVOA_X
ClientSampleId :
VX0308MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	25.8	77.4
134	25.0	13.5	40.5

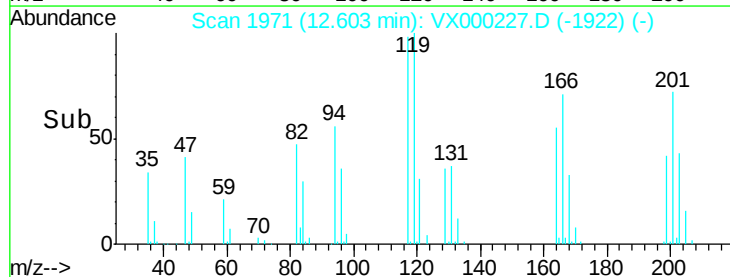
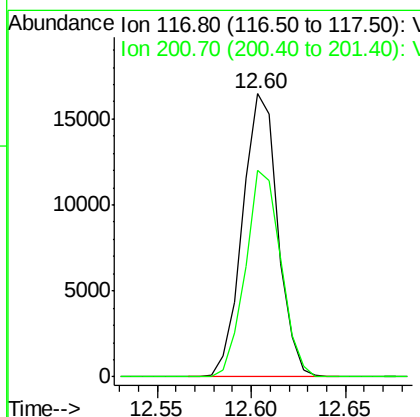
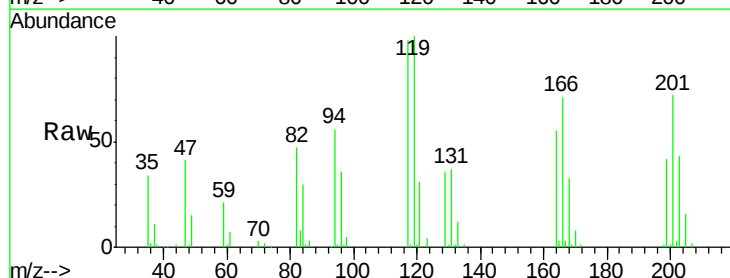
Manual Integrations
APPROVED

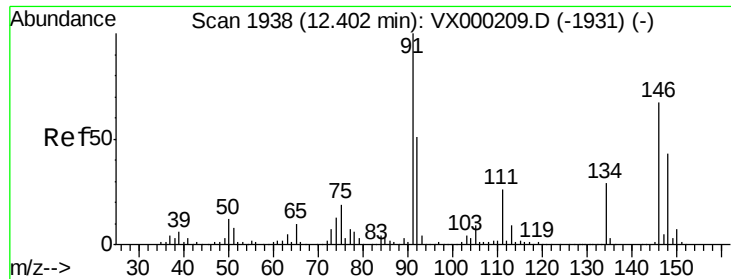
apatel
3/9/2018 9:38:25 AM



#90
Hexachloroethane
Concen: 18.68 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX000227.D
Acq: 08 Mar 2018 18:29

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.5	38.2	114.6





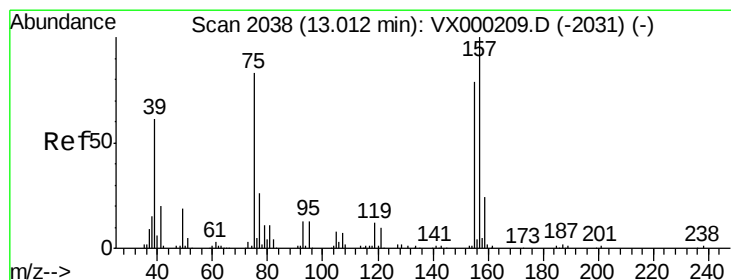
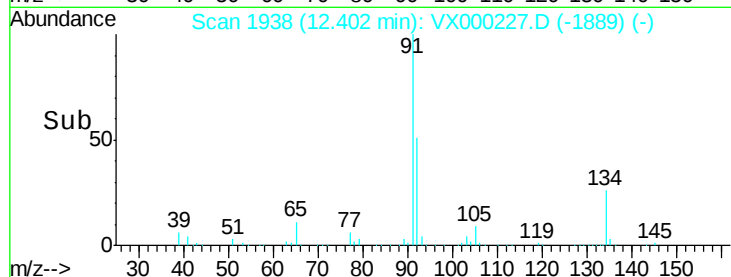
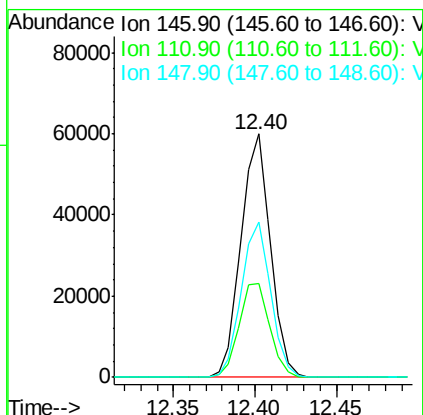
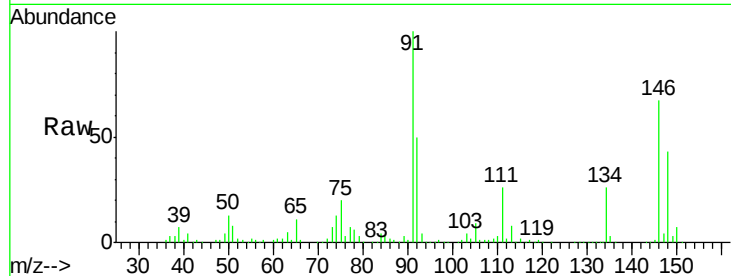
#91
 1,2-Dichlorobenzene
 Concen: 19.86 ug/l
 RT: 12.40 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VX000227.D
 Acq: 08 Mar 2018 18:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0308MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	19.7	59.0
148	64.0	32.0	96.0

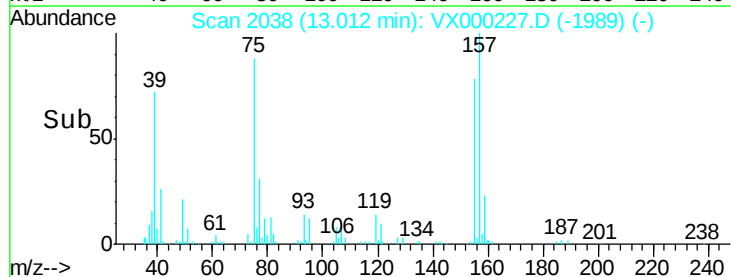
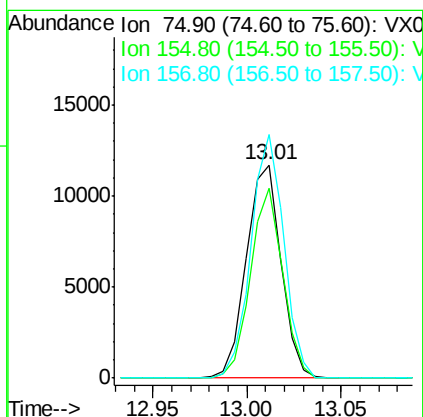
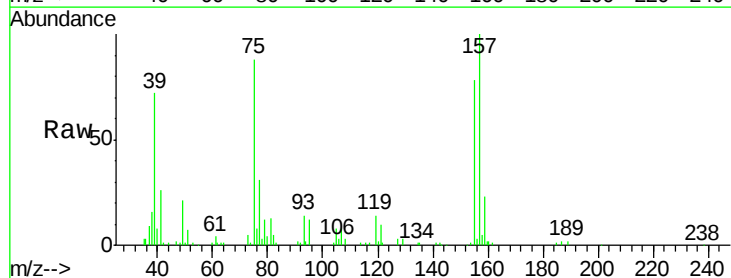
Manual Integrations
 APPROVED

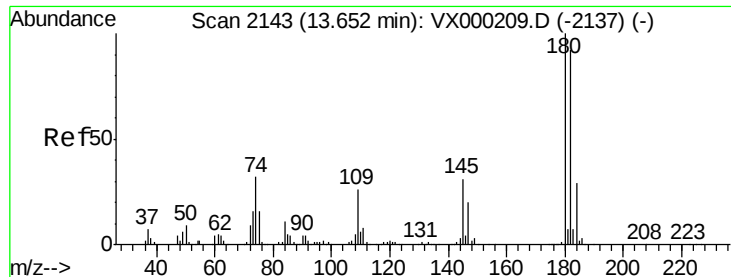
apatel
 3/9/2018 9:38:25 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.41 ug/l
 RT: 13.01 min Scan# 2038
 Delta R.T. 0.00 min
 Lab File: VX000227.D
 Acq: 08 Mar 2018 18:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.1	45.5	136.5
157	108.0	58.6	175.8





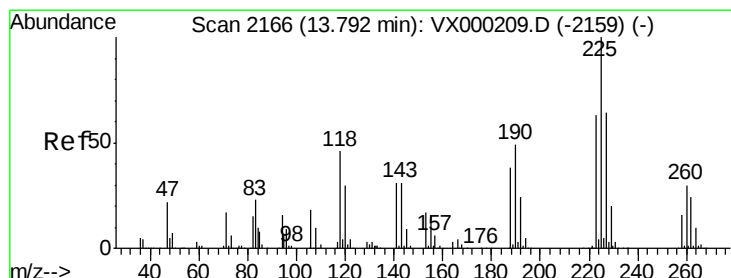
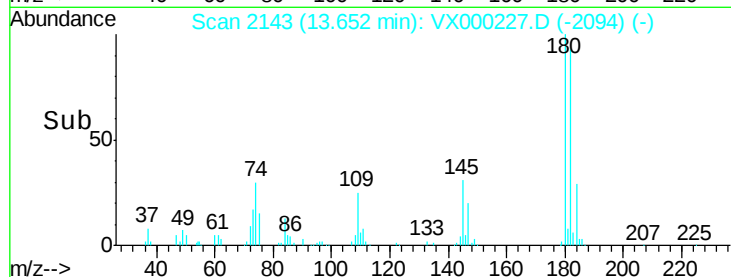
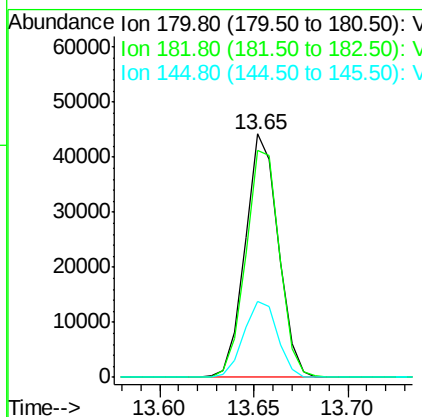
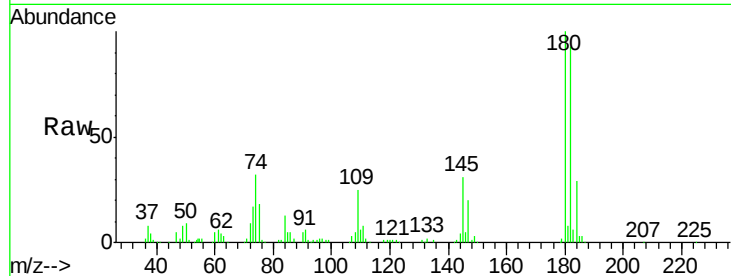
#93
1,2,4-Trichlorobenzene
Concen: 19.43 ug/l
RT: 13.65 min Scan# 2143
Delta R.T. 0.00 min
Lab File: VX000227.D
Acq: 08 Mar 2018 18:29

Instrument :
MSVOA_X
ClientSampleId :
VX0308MBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.0	141.0
145	32.1	15.3	45.9

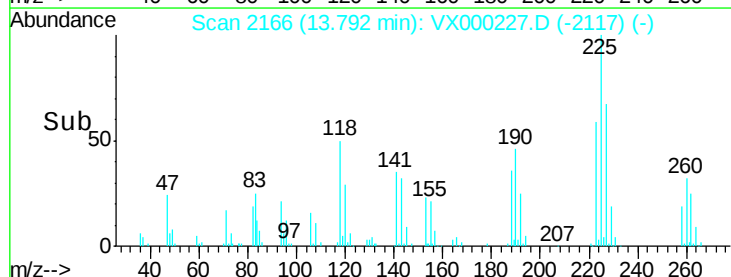
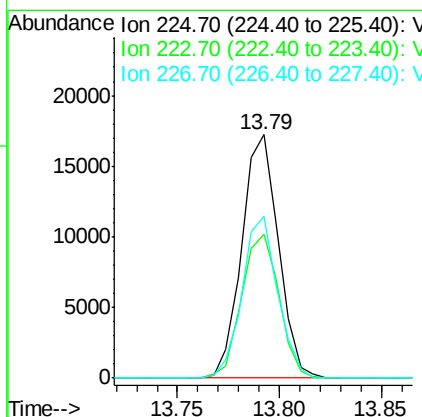
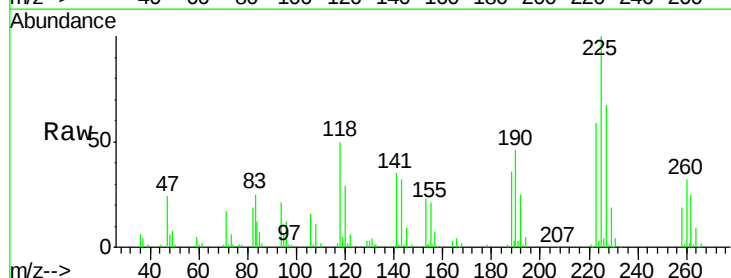
Manual Integrations
APPROVED

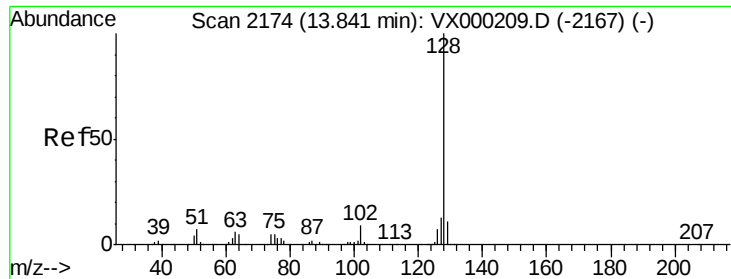
apatel
3/9/2018 9:38:25 AM



#94
Hexachlorobutadiene
Concen: 18.63 ug/l
RT: 13.79 min Scan# 2166
Delta R.T. 0.00 min
Lab File: VX000227.D
Acq: 08 Mar 2018 18:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.4	31.8	95.3
227	64.6	31.9	95.5





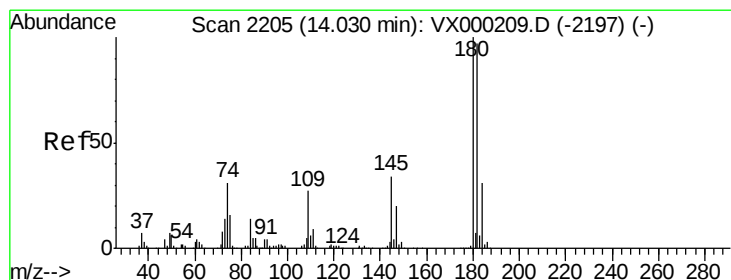
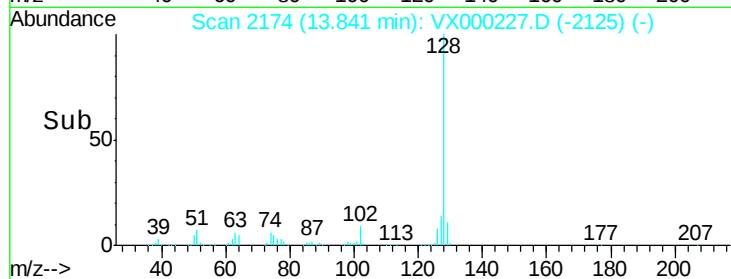
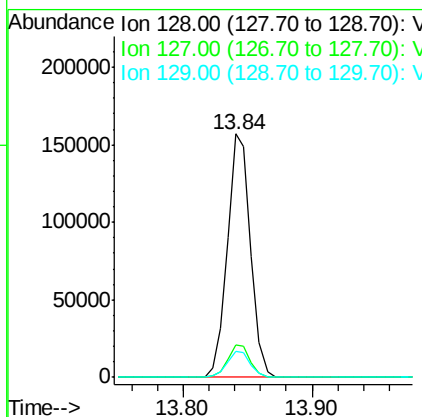
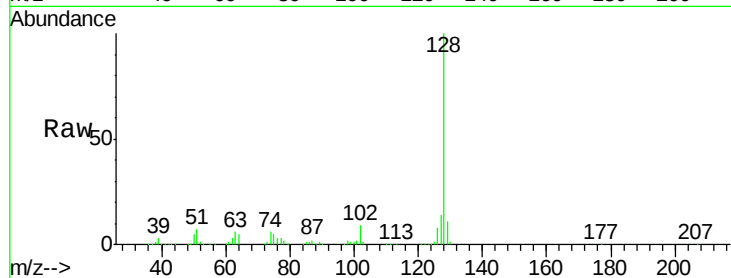
#95
Naphthalene
Concen: 20.42 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX000227.D
Acq: 08 Mar 2018 18:29

Instrument :
MSVOA_X
ClientSampled :
VX0308MBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.9	8.6	13.0

Manual Integrations
APPROVED

apatel
3/9/2018 9:38:25 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.30 ug/l
RT: 14.03 min Scan# 2205
Delta R.T. 0.00 min
Lab File: VX000227.D
Acq: 08 Mar 2018 18:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	48.0	144.0
145	31.3	16.3	48.8

