

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032918\
 Data File : VX000510.D
 Acq On : 29 Mar 2018 14:16
 Operator : JC/MD
 Sample : VX0329MBS01
 Misc : 5.00µg/10mL/100µL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0329MBS01

Manual Integrations
 APPROVED

sam
 3/30/2018 4:10:25 PM

Quant Time: Mar 29 15:11:55 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	122814	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	206970	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	212925	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	119572	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	78613	49.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.08%	
35) Dibromofluoromethane	5.51	113	62640	48.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.06%	
50) Toluene-d8	8.73	98	253963	47.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.04%	
62) 4-Bromofluorobenzene	11.15	95	94789	42.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	26090	19.28	ug/l	95
3) Chloromethane	1.32	50	24943	17.49	ug/l	94
4) Vinyl Chloride	1.40	62	32248	21.40	ug/l	98
5) Bromomethane	1.64	94	31445	17.46	ug/l	93
6) Chloroethane	1.73	64	21888	25.64	ug/l	91
7) Trichlorofluoromethane	1.93	101	57760	21.24	ug/l	99
8) Diethyl Ether	2.19	74	20770	21.37	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.39	101	32086	21.16	ug/l	97
10) Methyl Iodide	2.51	142	20130	16.53	ug/l	97
11) Tert butyl alcohol	3.08	59	75813	137.48	ug/l	100
12) 1,1-Dichloroethene	2.38	96	27808	20.89	ug/l	94
13) Acrolein	2.30	56	16186	101.15	ug/l	99
14) Allyl chloride	2.73	41	53778	22.82	ug/l	98
15) Acrylonitrile	3.16	53	130919	117.22	ug/l	98
16) Acetone	2.45	43	151012	113.23	ug/l	99
17) Carbon Disulfide	2.57	76	68627	19.39	ug/l	99
18) Methyl Acetate	2.79	43	71419	25.54	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	105862	21.50	ug/l	99
20) Methylene Chloride	2.86	84	32023	20.79	ug/l	92
21) trans-1,2-Dichloroethene	3.17	96	31111	20.95	ug/l	98
22) Diisopropyl ether	3.88	45	72390	17.40	ug/l	97
23) Vinyl Acetate	3.84	43	338936	85.92	ug/l	99
24) 1,1-Dichloroethane	3.70	63	57062	21.81	ug/l	99
25) 2-Butanone	4.72	43	164121	109.49	ug/l	99
26) 2,2-Dichloropropane	4.60	77	35424	19.32	ug/l	97
27) cis-1,2-Dichloroethene	4.61	96	26683	19.23	ug/l	98
28) Bromochloromethane	5.03	49	18314	16.97	ug/l	100
29) Tetrahydrofuran	5.18	42	103461	112.18	ug/l	99
30) Chloroform	5.23	83	52071	21.24	ug/l	95
31) Cyclohexane	5.59	56	37830	18.70	ug/l	95
32) 1,1,1-Trichloroethane	5.51	97	45151	20.41	ug/l	97
36) 1,1-Dichloropropene	5.81	75	36089	18.61	ug/l	95
37) Ethyl Acetate	4.87	43	52042	19.65	ug/l	99
38) Carbon Tetrachloride	5.79	117	38143	18.75	ug/l	96

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032918\
 Data File : VX000510.D
 Acq On : 29 Mar 2018 14:16
 Operator : JC/MD
 Sample : VX0329MBS01
 Misc : 5.00µg/10mL/100µL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0329MBS01

Manual Integrations
 APPROVED

sam
 3/30/2018 4:10:25 PM

Quant Time: Mar 29 15:11:55 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	44494	18.87	ug/l	96
40) Benzene	6.15	78	111877	19.87	ug/l	99
41) Methacrylonitrile	5.07	41	27412	19.63	ug/l	99
42) 1,2-Dichloroethane	6.21	62	43900	19.87	ug/l	100
43) Isopropyl Acetate	6.48	43	80210	20.35	ug/l	99
44) Trichloroethene	7.22	130	33145	20.55	ug/l	99
45) 1,2-Dichloropropane	7.53	63	30842	21.40	ug/l	99
46) Dibromomethane	7.67	93	23891	21.12	ug/l	97
47) Bromodichloromethane	7.91	83	42022	21.11	ug/l	99
48) Methyl methacrylate	7.79	41	40683	21.26	ug/l	99
49) 1,4-Dioxane	7.77	88	19923	495.26	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	334036	109.48	ug/l	99
52) Toluene	8.79	92	79485	20.19	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	45376	19.68	ug/l	95
54) cis-1,3-Dichloropropene	9.05	75	45166	20.19	ug/l	95
55) 1,1,2-Trichloroethane	9.23	97	34031	21.03	ug/l	99
56) Ethyl methacrylate	9.19	69	48835	19.91	ug/l	99
57) 1,3-Dichloropropane	9.38	76	56414	21.79	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.32	63	104940	89.15	ug/l	98
59) 2-Hexanone	9.51	43	284195	109.69	ug/l	99
60) Dibromochloromethane	9.59	129	34131	20.47	ug/l	99
61) 1,2-Dibromoethane	9.68	107	37170	21.41	ug/l	98
64) Tetrachloroethene	9.34	164	32732	19.81	ug/l	96
65) Chlorobenzene	10.15	112	92381	19.50	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	32078	19.93	ug/l	97
67) Ethyl Benzene	10.26	91	157677	19.63	ug/l	98
68) m/p-Xylenes	10.37	106	122920	38.89	ug/l	98
69) o-Xylene	10.71	106	60505	19.77	ug/l	97
70) Styrene	10.72	104	98453	19.44	ug/l	98
71) Bromoform	10.87	173	26074	18.84	ug/l #	98
73) Isopropylbenzene	11.02	105	160224	20.22	ug/l	99
74) N-amyl acetate	6.48	43	80210	21.34	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	59757	21.33	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	55424m	21.57	ug/l	
77) Bromobenzene	11.26	156	41241	19.54	ug/l	97
78) n-propylbenzene	11.37	91	191097	20.23	ug/l	100
79) 2-Chlorotoluene	11.43	91	110944	20.33	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	135578	20.35	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	15373	19.37	ug/l	93
82) 4-Chlorotoluene	11.52	91	130597	20.04	ug/l	99
83) tert-Butylbenzene	11.78	119	135292	20.14	ug/l	99
84) 1,2,4-Trimethylbenzene	11.82	105	140929	20.18	ug/l	99
85) sec-Butylbenzene	11.95	105	167523	20.15	ug/l	99
86) p-Isopropyltoluene	12.07	119	147722	20.01	ug/l	99
87) 1,3-Dichlorobenzene	12.04	146	80501	20.17	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	81086	19.35	ug/l	97
89) n-Butylbenzene	12.40	91	141533	20.59	ug/l	99
90) Hexachloroethane	12.60	117	23154	19.93	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	79617	20.35	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	16425	21.02	ug/l	97

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032918\
Data File : VX000510.D
Acq On : 29 Mar 2018 14:16
Operator : JC/MD
Sample : VX0329MBS01
Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_X/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0329MBS01

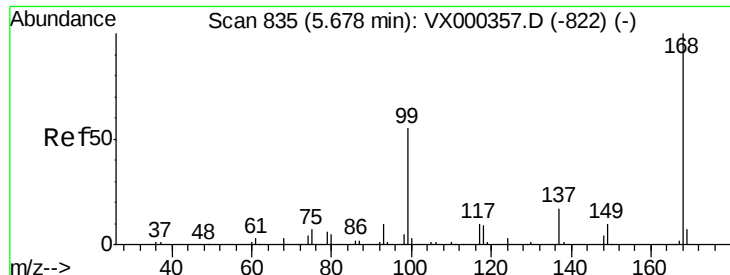
Manual Integrations
APPROVED

sam
3/30/2018 4:10:25 PM

Quant Time: Mar 29 15:11:55 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 21 04:52:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	57729	20.58	ug/l	99
94) Hexachlorobutadiene	13.79	225	25469	21.93	ug/l	96
95) Naphthalene	13.84	128	206163	21.10	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	58012	20.93	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.01 min

Lab File: VX000510.D

Acq: 29 Mar 2018 14:16

Instrument :

MSVOA_X

ClientSampleId :

VX0329MBS01

Tot Ion:168 Resp: 122814

Ion Ratio Lower Upper

168 100

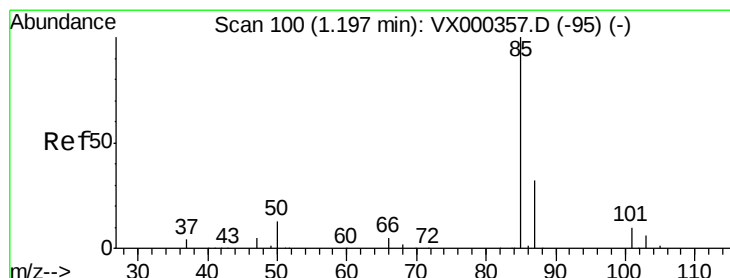
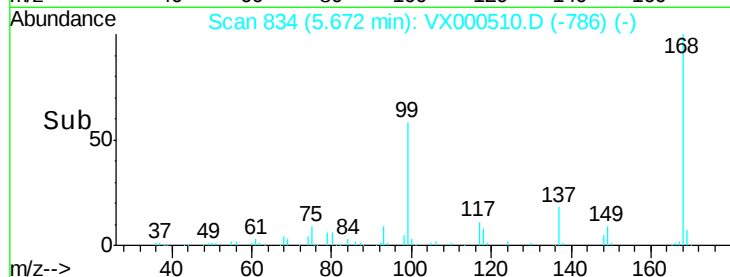
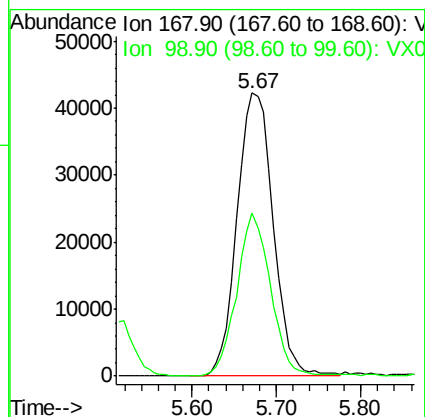
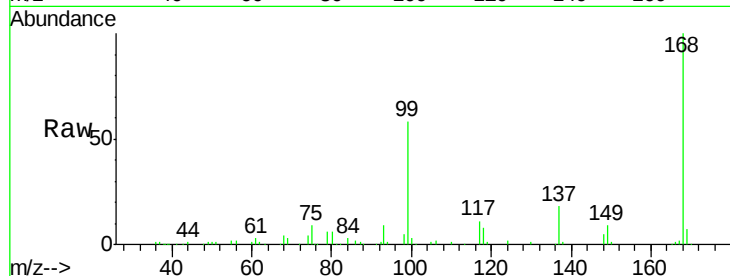
99 57.5 45.8 68.6

Manual Integrations

APPROVED

sam

3/30/2018 4:10:25 PM



#2

Dichlorodifluoromethane

Concen: 19.28 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX000510.D

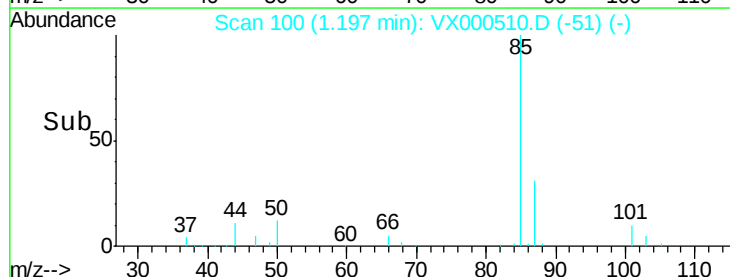
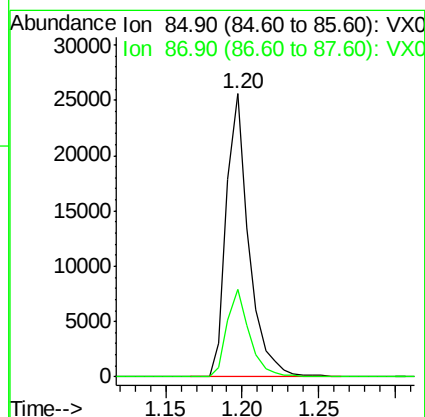
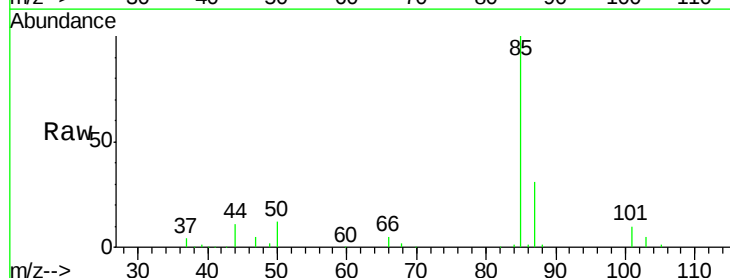
Acq: 29 Mar 2018 14:16

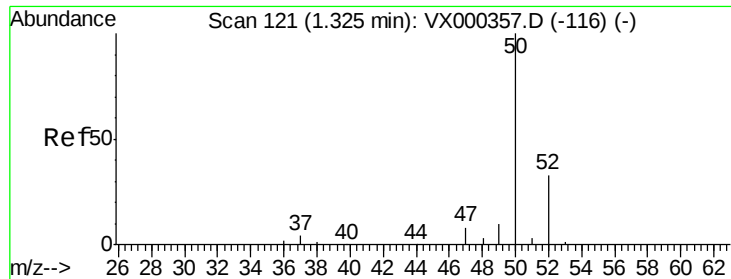
Tgt Ion: 85 Resp: 26090

Ion Ratio Lower Upper

85 100

87 30.9 16.8 50.3





#3

Chloromethane

Concen: 17.49 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX000510.D

Acq: 29 Mar 2018 14:16

Instrument :

MSVOA_X

ClientSampleId :

VX0329MBS01

Tot Ion: 50 Resp: 24943

Ion Ratio Lower Upper

50 100

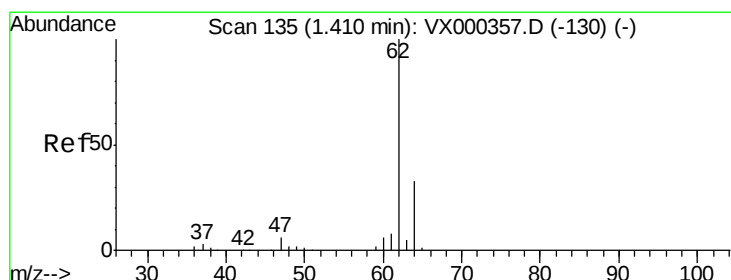
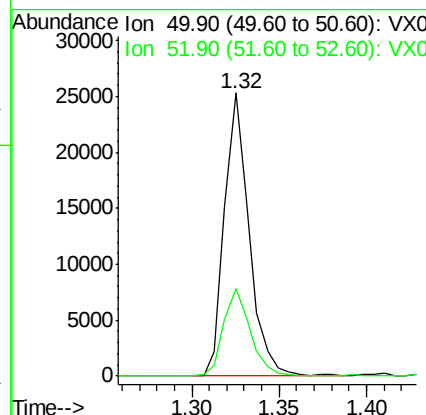
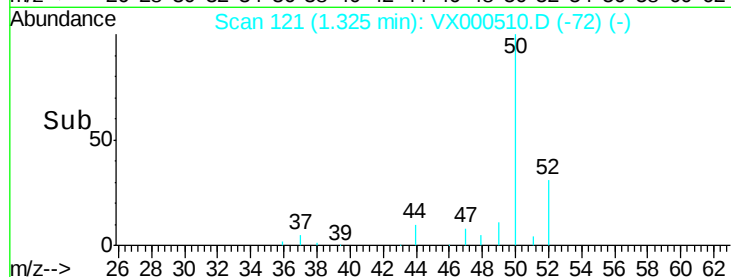
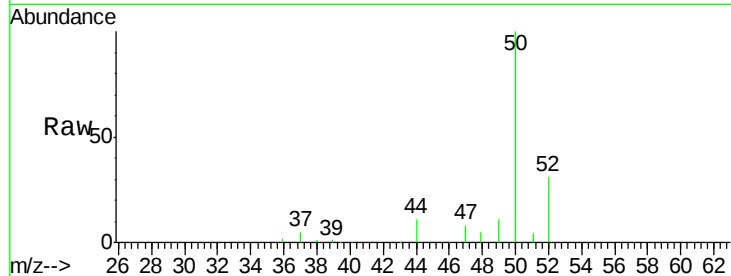
52 31.1 27.5 41.3

Manual Integrations

APPROVED

sam

3/30/2018 4:10:25 PM



#4

Vinyl Chloride

Concen: 21.40 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX000510.D

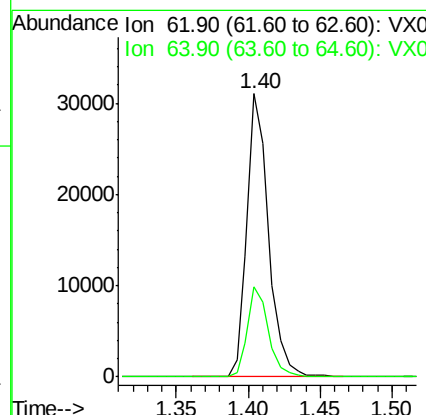
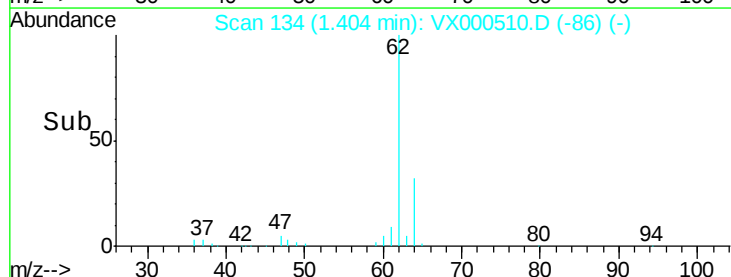
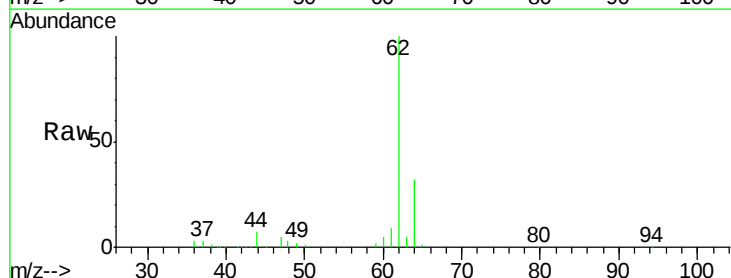
Acq: 29 Mar 2018 14:16

Tgt Ion: 62 Resp: 32248

Ion Ratio Lower Upper

62 100

64 32.0 24.8 37.2





#5

Bromomethane

Concen: 17.46 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.00 min

Lab File: VX000510.D

Acq: 29 Mar 2018 14:16

Instrument :

MSVOA_X

ClientSampleId :

VX0329MBS01

Tot Ion: 94 Resp: 31445

Ion Ratio Lower Upper

94 100

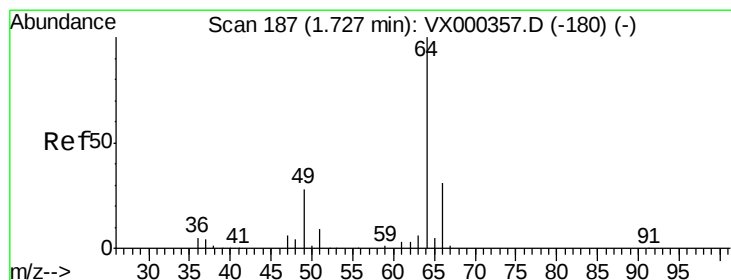
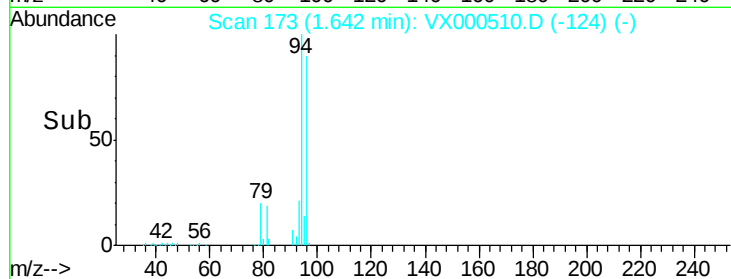
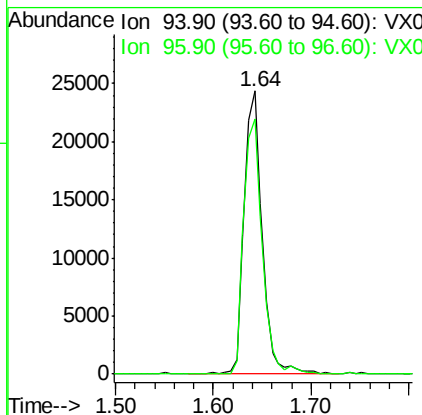
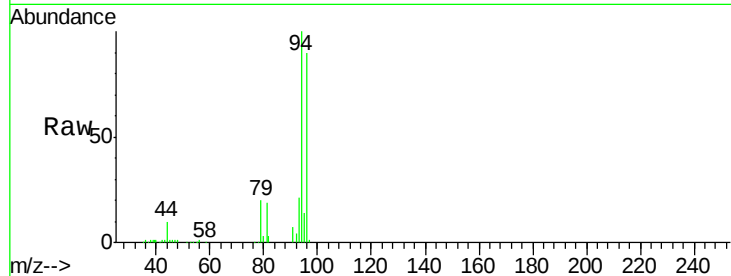
96 90.0 77.7 116.5

Manual Integrations

APPROVED

sam

3/30/2018 4:10:25 PM



#6

Chloroethane

Concen: 25.64 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX000510.D

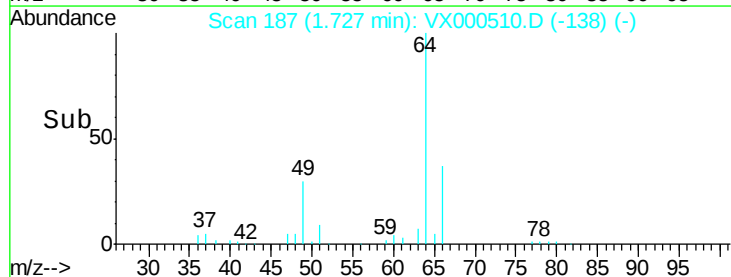
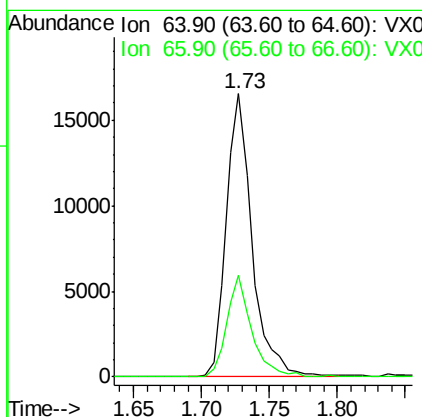
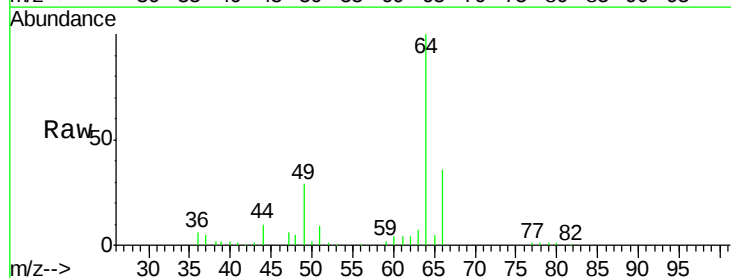
Acq: 29 Mar 2018 14:16

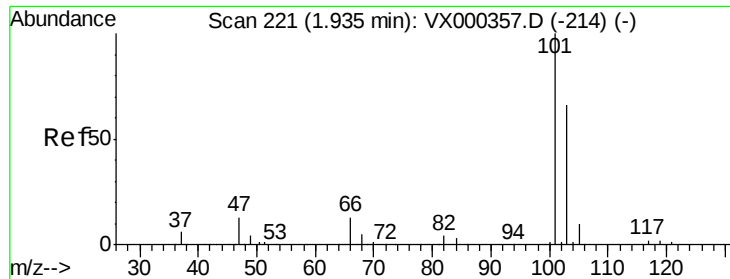
Tgt Ion: 64 Resp: 21888

Ion Ratio Lower Upper

64 100

66 35.9 24.8 37.2





#7

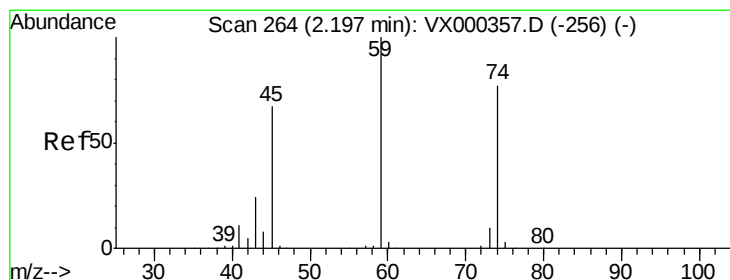
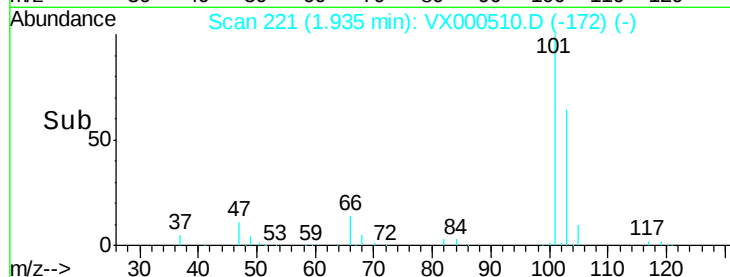
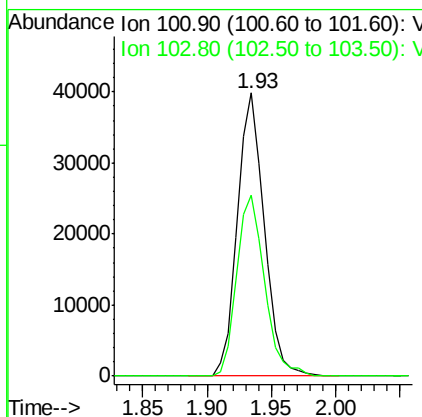
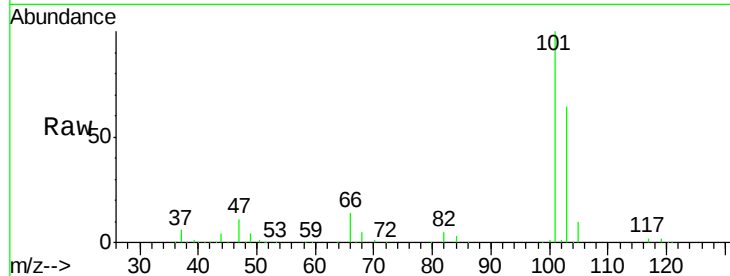
Trichlorofluoromethane
Concen: 21.24 ug/l
RT: 1.93 min Scan# 221
Delta R.T. 0.00 min
Lab File: VX000510.D
Acq: 29 Mar 2018 14:16

Instrument :
MSVOA_X
ClientSampleId :
VX0329MBS01

Tot Ion:101 Resp: 57760
Ion Ratio Lower Upper
101 100
103 64.0 51.6 77.4

Manual Integrations
APPROVED

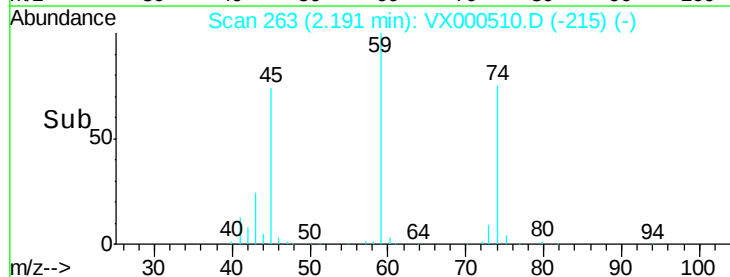
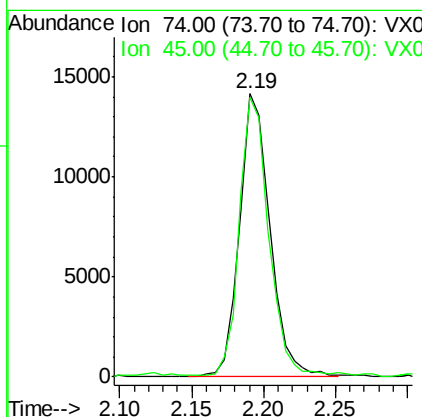
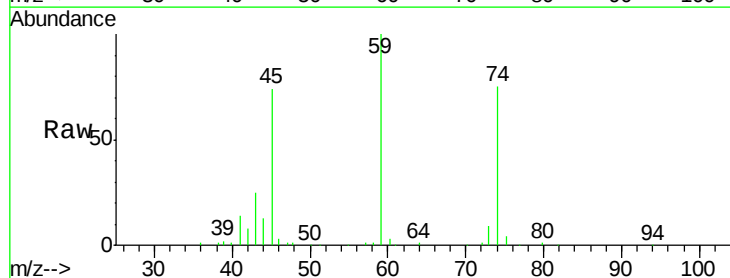
sam
3/30/2018 4:10:25 PM

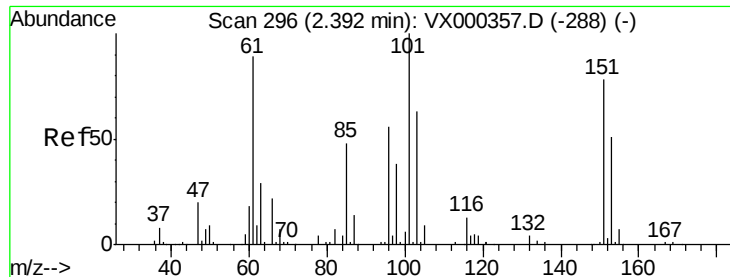


#8

Diethyl Ether
Concen: 21.37 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.01 min
Lab File: VX000510.D
Acq: 29 Mar 2018 14:16

Tgt Ion: 74 Resp: 20770
Ion Ratio Lower Upper
74 100
45 94.6 45.1 135.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.16 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.01 min

Lab File: VX000510.D

Acq: 29 Mar 2018 14:16

Instrument :

MSVOA_X

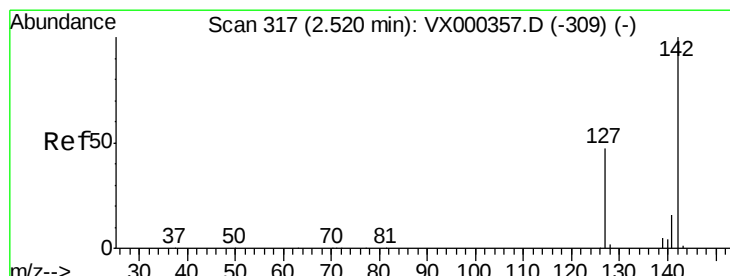
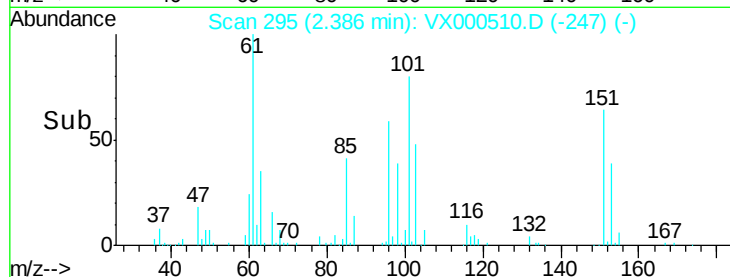
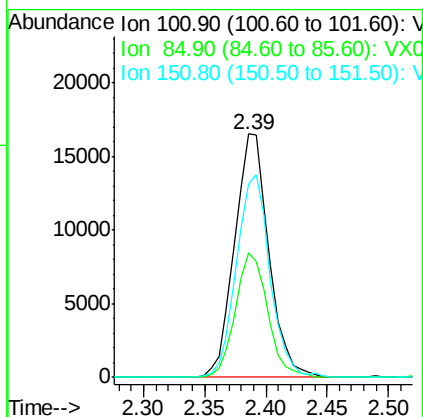
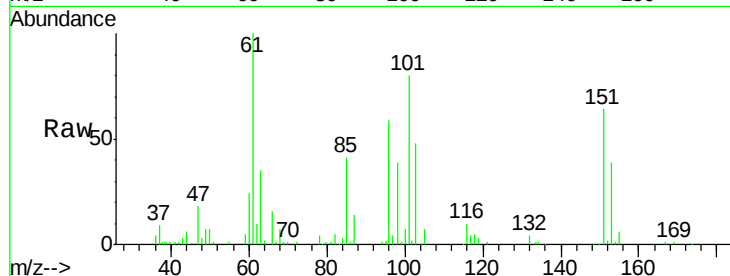
ClientSampleId :

VX0329MBS01

Tot Ion:	101	Resp:	32086
Ion Ratio	Lower	Upper	
101	100		
85	48.1	37.6	56.4
151	81.9	62.6	93.8

Manual Integrations
APPROVED

sam
3/30/2018 4:10:25 PM



#10

Methyl Iodide

Concen: 16.53 ug/l

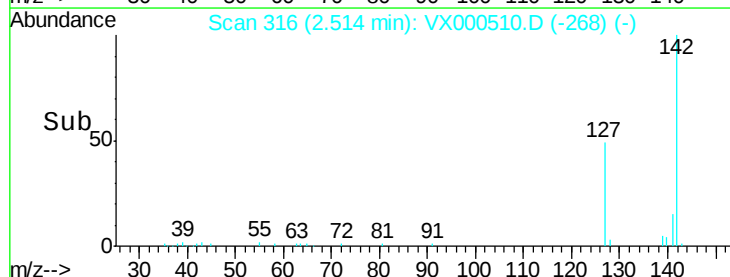
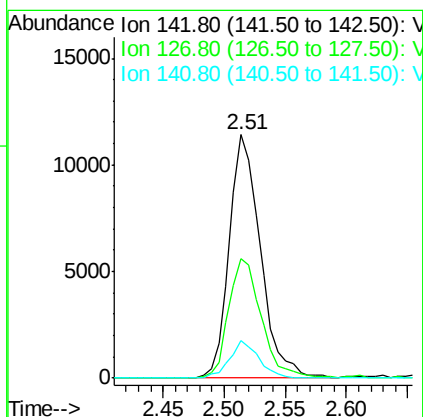
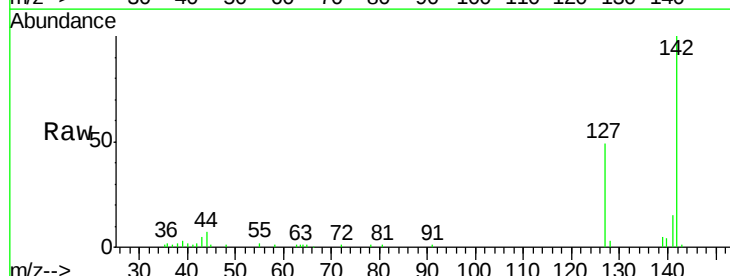
RT: 2.51 min Scan# 316

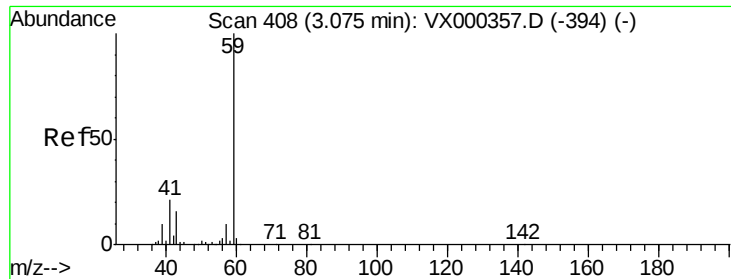
Delta R.T. -0.01 min

Lab File: VX000510.D

Acq: 29 Mar 2018 14:16

Tgt Ion:	142	Resp:	20130
Ion Ratio	Lower	Upper	
142	100		
127	51.3	39.2	58.8
141	14.2	11.7	17.5





#11

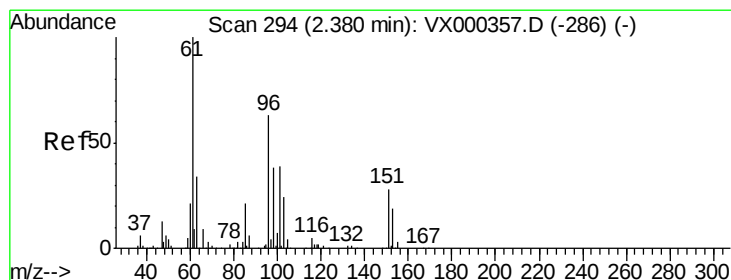
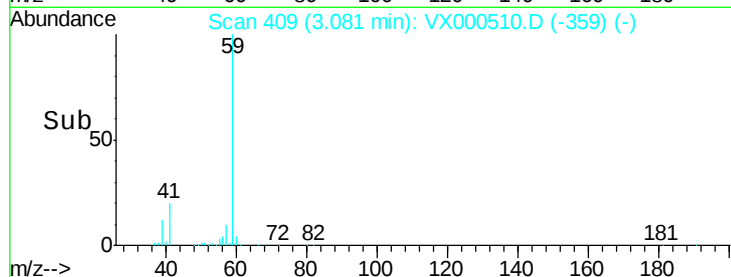
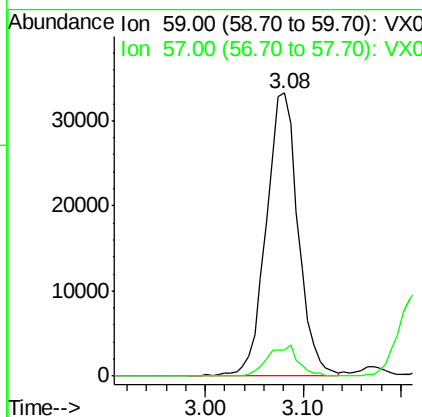
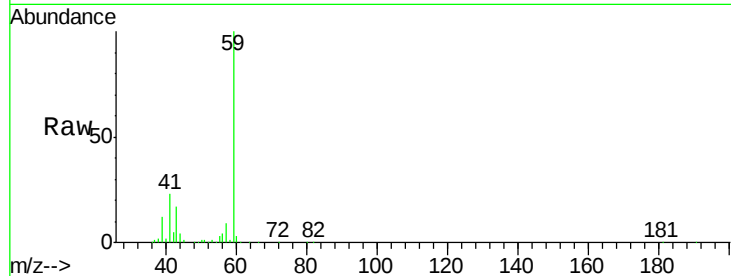
Tert butyl alcohol
 Concen: 137.48 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. 0.01 min
 Lab File: VX000510.D
 Acq: 29 Mar 2018 14:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0329MBS01

Tot Ion	59	Resp	75813
Ion Ratio	100	Lower	Upper
57	10.3	8.4	12.6

Manual Integrations
 APPROVED

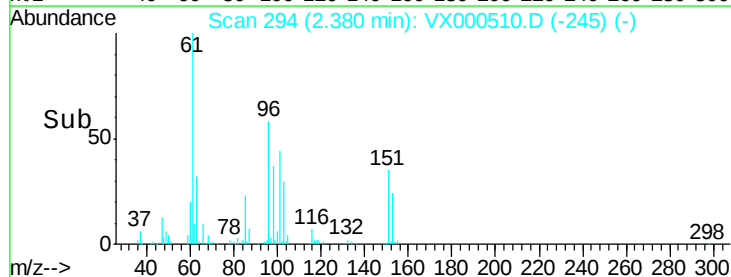
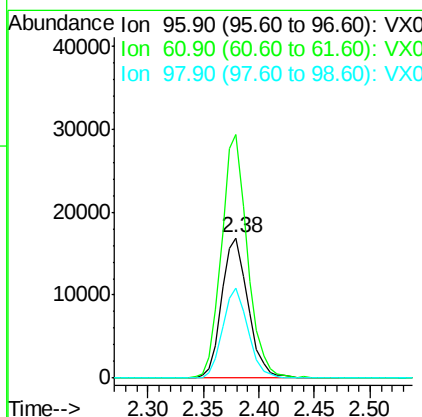
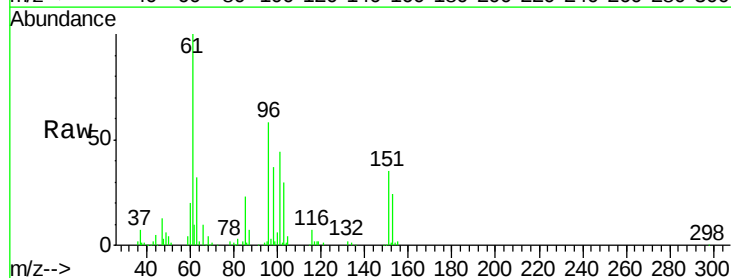
sam
 3/30/2018 4:10:25 PM

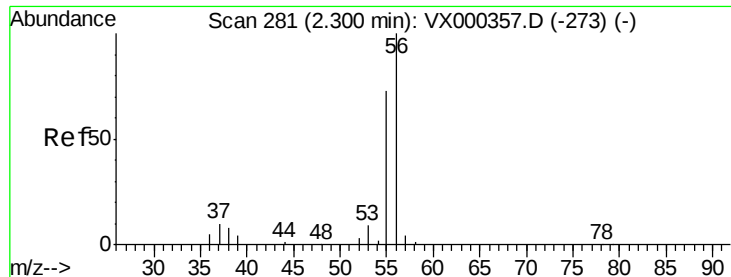


#12

1,1-Dichloroethene
 Concen: 20.89 ug/l
 RT: 2.38 min Scan# 294
 Delta R.T. 0.00 min
 Lab File: VX000510.D
 Acq: 29 Mar 2018 14:16

Tgt Ion	96	Resp	27808
Ion Ratio	100	Lower	Upper
61	173.7	131.2	196.8
98	64.2	49.8	74.8





#13

Acrolein

Concen: 101.15 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX000510.D

Acq: 29 Mar 2018 14:16

Instrument :

MSVOA_X

ClientSampleId :

VX0329MBS01

Tot Ion: 56 Resp: 16186

Ion Ratio Lower Upper

56 100

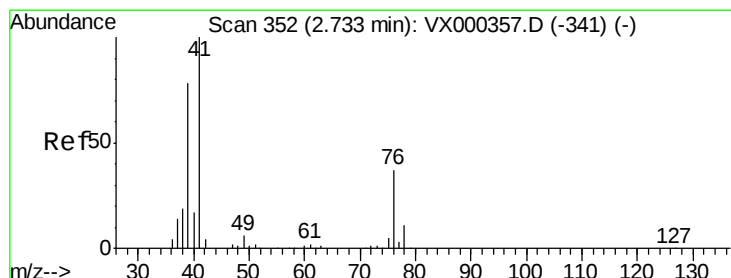
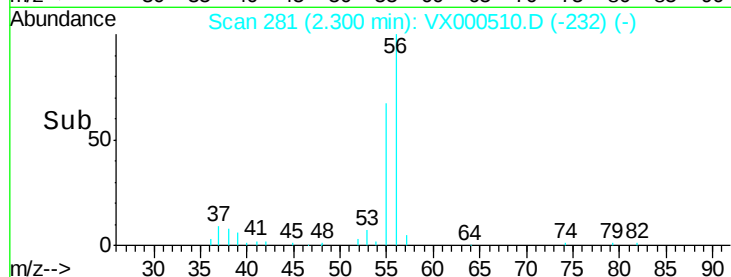
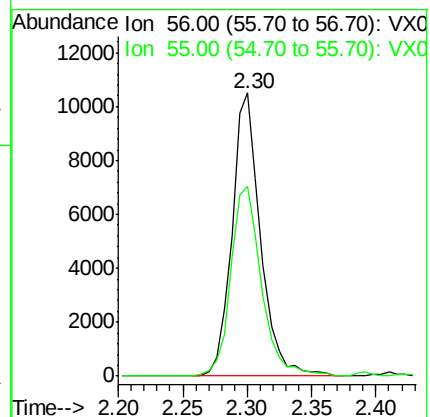
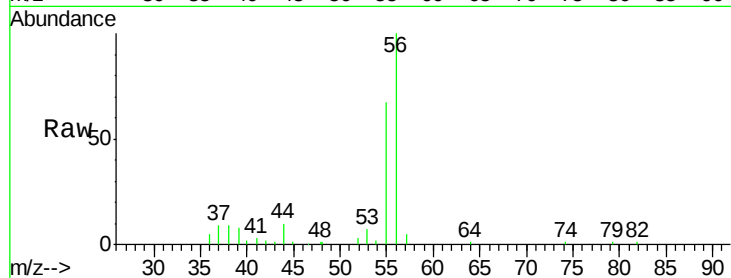
55 72.5 58.8 88.2

Manual Integrations

APPROVED

sam

3/30/2018 4:10:25 PM



#14

Allyl chloride

Concen: 22.82 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.00 min

Lab File: VX000510.D

Acq: 29 Mar 2018 14:16

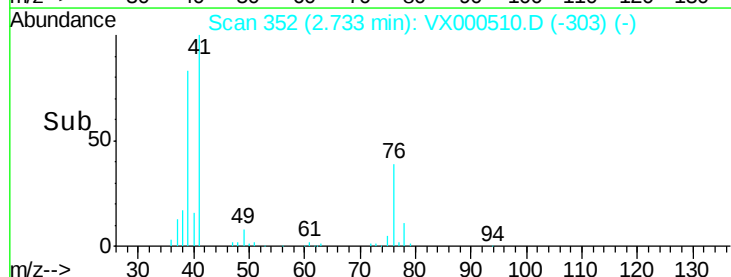
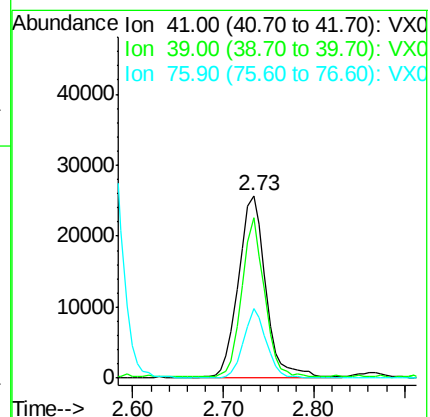
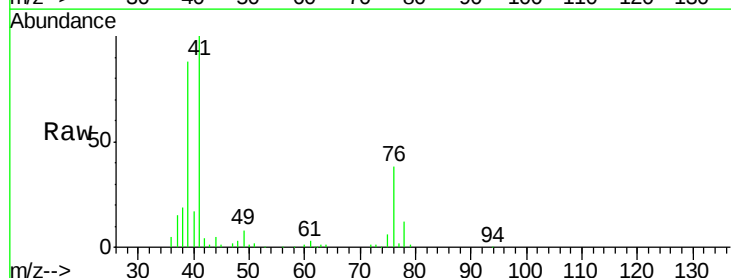
Tgt Ion: 41 Resp: 53778

Ion Ratio Lower Upper

41 100

39 72.2 57.6 86.4

76 31.7 27.3 40.9





#15

Acrylonitrile

Concen: 117.22 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX000510.D

Acq: 29 Mar 2018 14:16

Instrument :

MSVOA_X

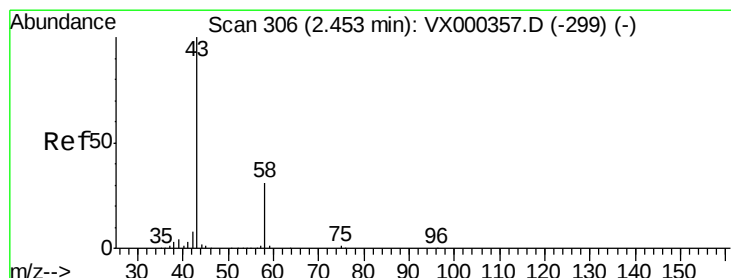
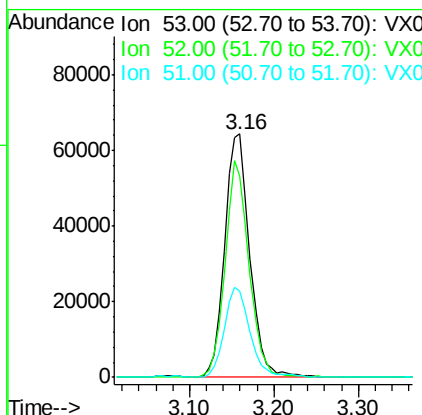
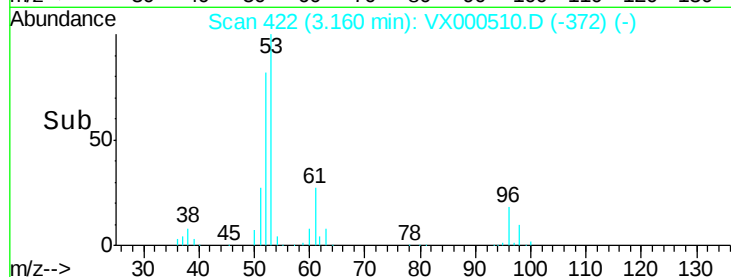
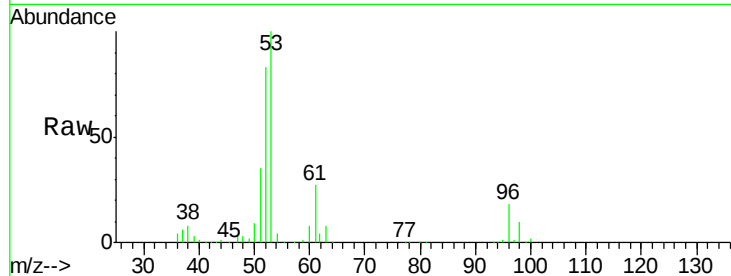
ClientSampleId :

VX0329MBS01

Tot Ion:	53	Resp:	130919
Ion Ratio	Lower	Upper	
53	100		
52	84.5	66.6	99.8
51	37.7	29.3	43.9

Manual Integrations
APPROVED

sam
3/30/2018 4:10:25 PM



#16

Acetone

Concen: 113.23 ug/l

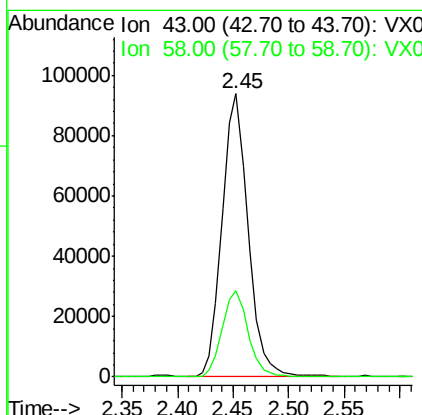
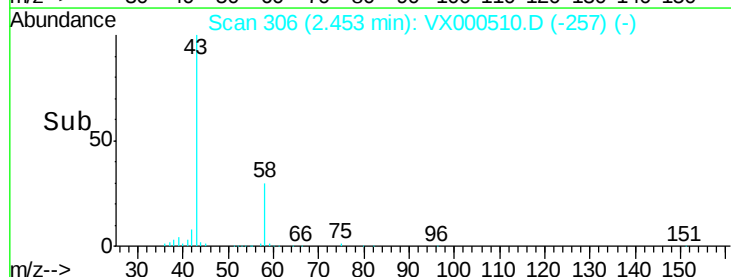
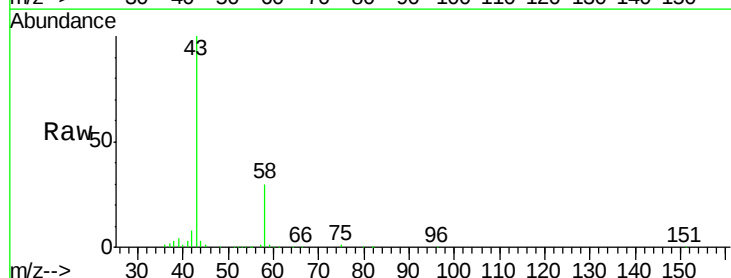
RT: 2.45 min Scan# 306

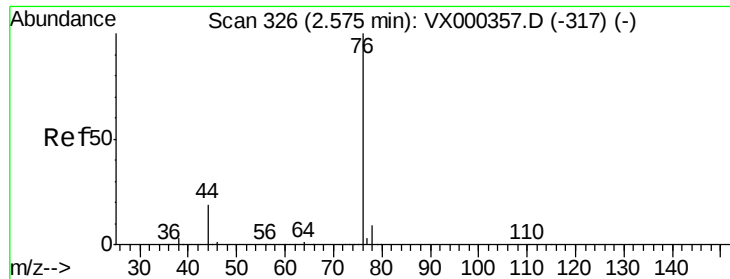
Delta R.T. 0.00 min

Lab File: VX000510.D

Acq: 29 Mar 2018 14:16

Tgt Ion:	43	Resp:	151012
Ion Ratio	Lower	Upper	
43	100		
58	30.2	24.7	37.1





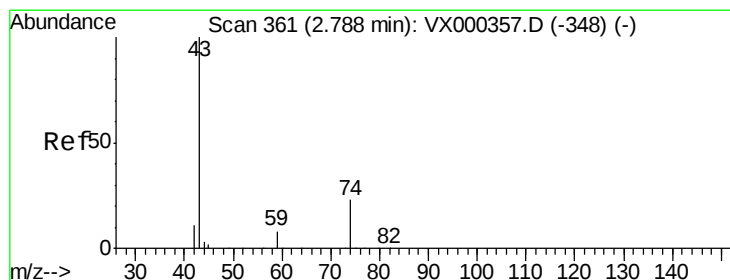
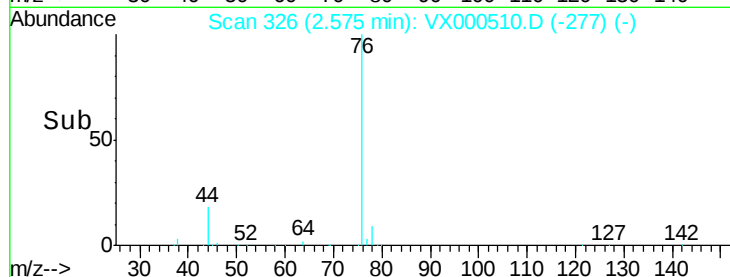
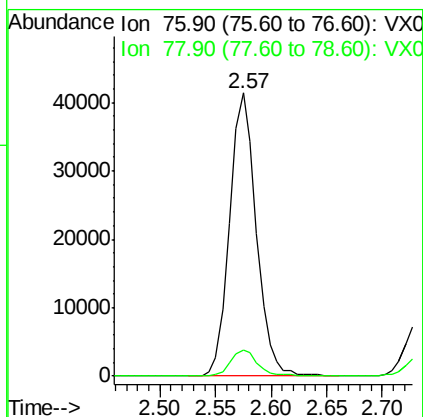
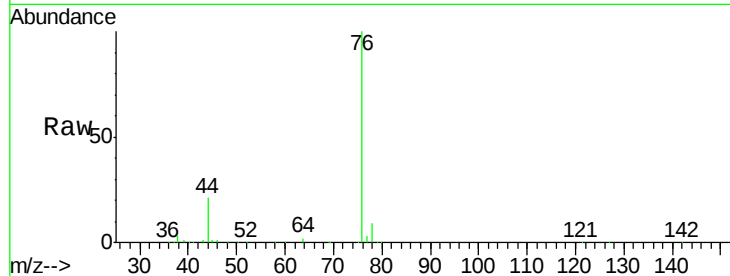
#17
Carbon Disulfide
Concen: 19.39 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.00 min
Lab File: VX000510.D
Acq: 29 Mar 2018 14:16

Instrument :
MSVOA_X
ClientSampleId :
VX0329MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.0	10.6

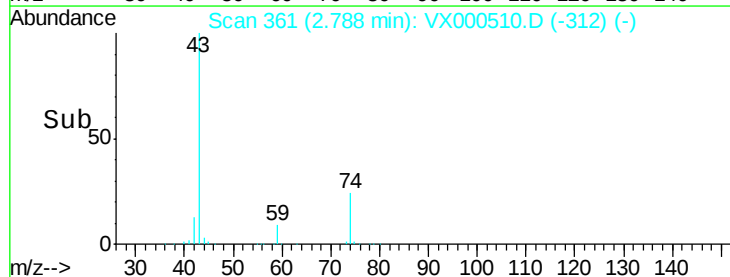
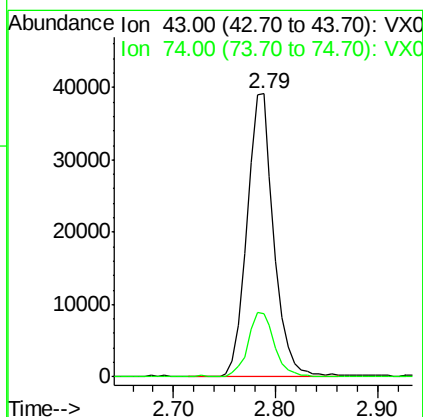
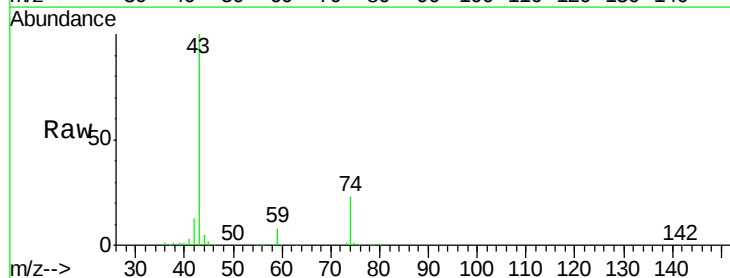
Manual Integrations
APPROVED

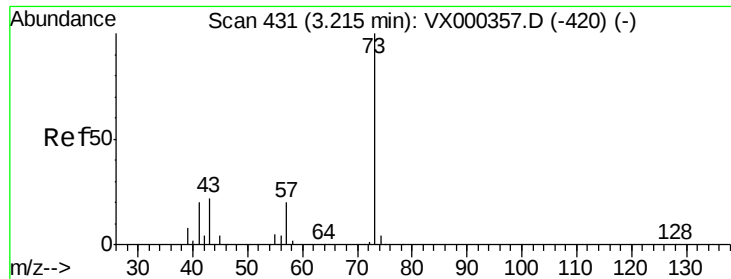
sam
3/30/2018 4:10:25 PM



#18
Methyl Acetate
Concen: 25.54 ug/l
RT: 2.79 min Scan# 361
Delta R.T. 0.00 min
Lab File: VX000510.D
Acq: 29 Mar 2018 14:16

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.0	19.4	29.2





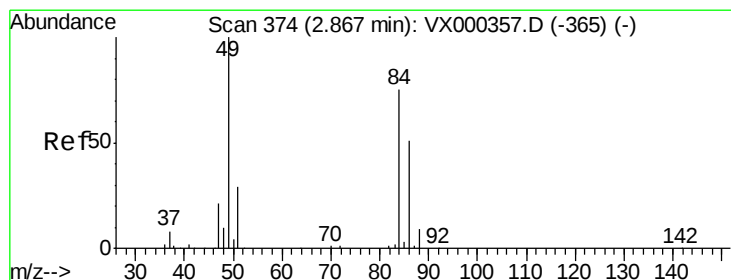
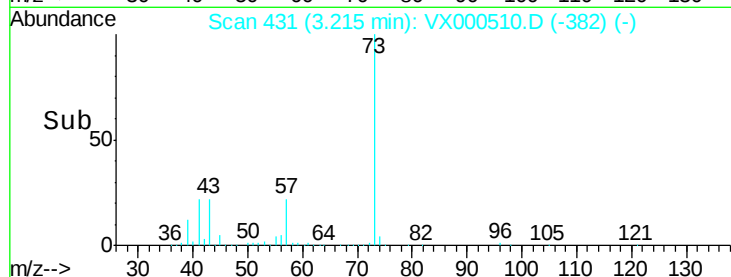
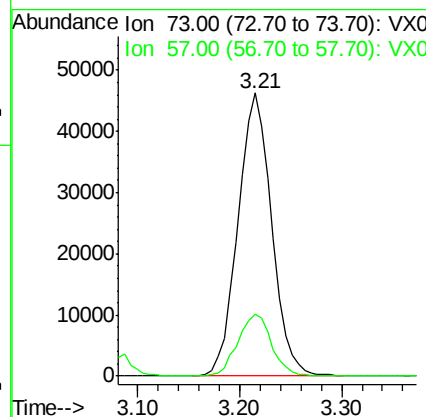
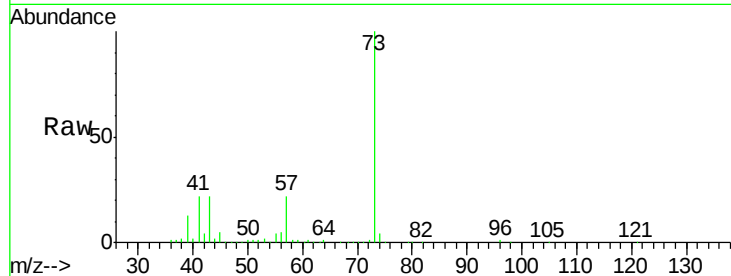
#19
Methyl tert-butyl Ether
Concen: 21.50 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.00 min
Lab File: VX000510.D
Acq: 29 Mar 2018 14:16

Instrument :
MSVOA_X
ClientSampled :
VX0329MBS01

Tot Ion: 73 Resp: 105862
Ion Ratio Lower Upper
73 100
57 21.9 17.2 25.8

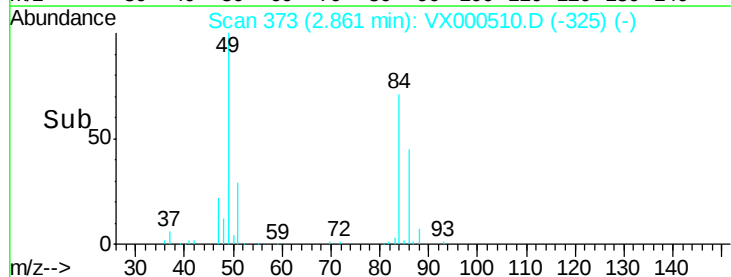
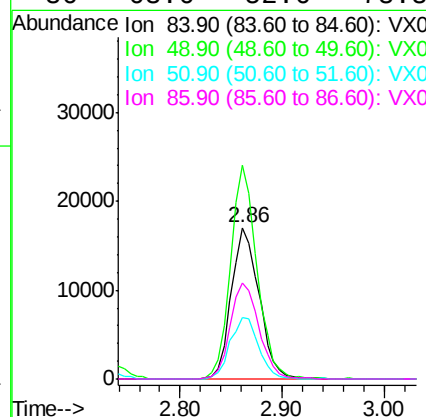
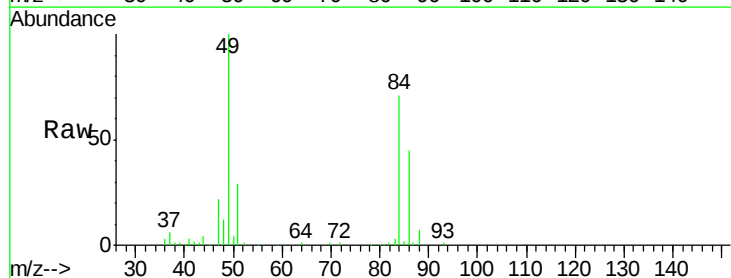
Manual Integrations
APPROVED

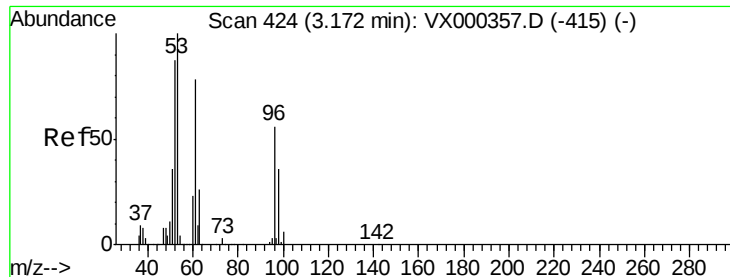
sam
3/30/2018 4:10:25 PM



#20
Methylene Chloride
Concen: 20.79 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.01 min
Lab File: VX000510.D
Acq: 29 Mar 2018 14:16

Tgt Ion: 84 Resp: 32023
Ion Ratio Lower Upper
84 100
49 141.1 100.6 151.0
51 41.0 31.6 47.4
86 63.6 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 20.95 ug/l

RT: 3.17 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX000510.D

Acq: 29 Mar 2018 14:16

Instrument :

MSVOA_X

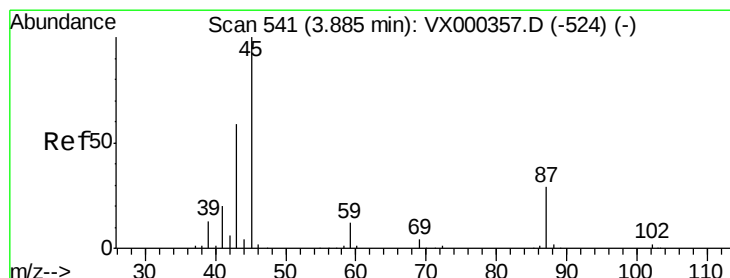
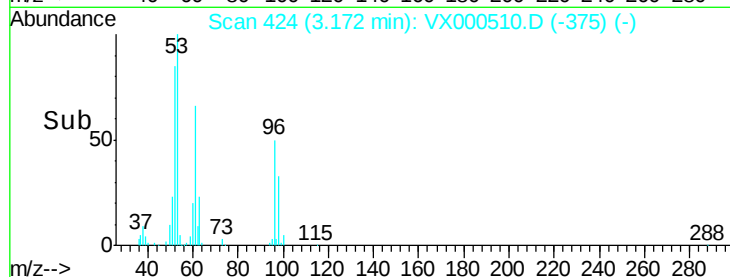
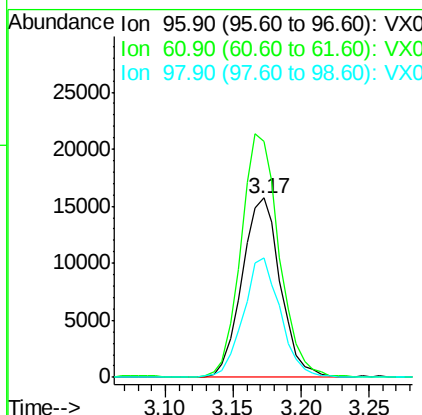
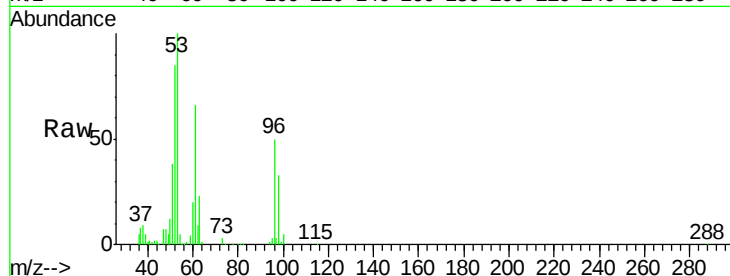
ClientSampleId :

VX0329MBS01

Tot Ion:	96	Resp:	31111
Ion	Ratio	Lower	Upper
96	100		
61	131.8	104.0	156.0
98	66.4	52.1	78.1

Manual Integrations
APPROVED

sam
3/30/2018 4:10:25 PM



#22

Diisopropyl ether

Concen: 17.40 ug/l

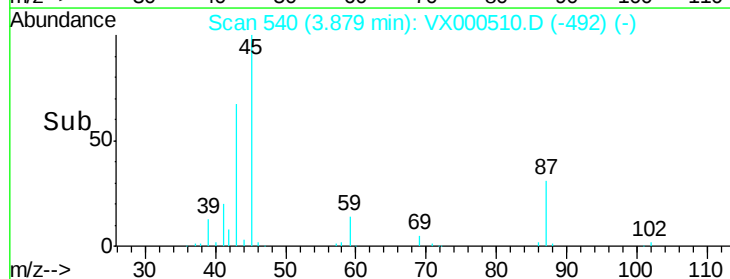
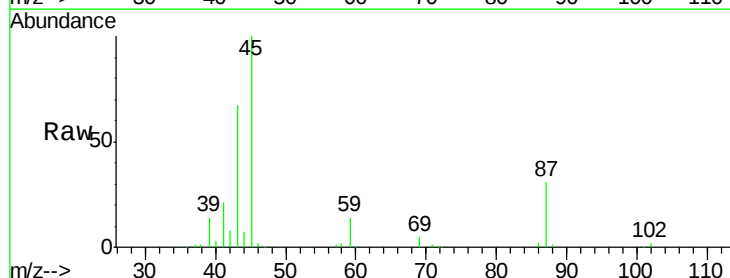
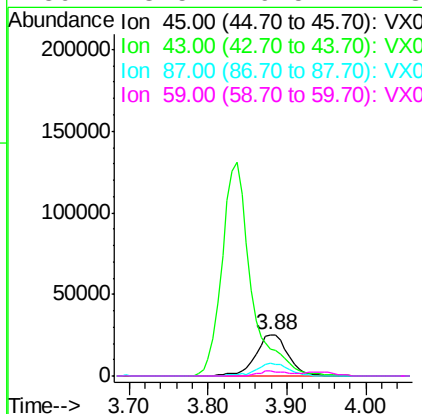
RT: 3.88 min Scan# 540

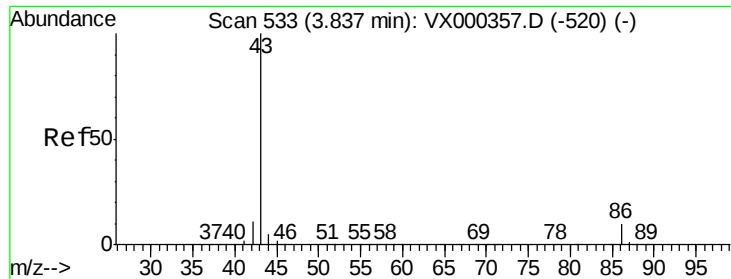
Delta R.T. -0.01 min

Lab File: VX000510.D

Acq: 29 Mar 2018 14:16

Tgt Ion:	45	Resp:	72390
Ion	Ratio	Lower	Upper
45	100		
43	66.4	53.9	80.9
87	31.3	22.6	34.0
59	13.5	9.5	14.3





#23

Vinyl Acetate

Concen: 85.92 ug/l

RT: 3.84 min Scan# 533

Delta R.T. 0.00 min

Lab File: VX000510.D

Acq: 29 Mar 2018 14:16

Instrument :

MSVOA_X

ClientSampled :

VX0329MBS01

Tot Ion: 43 Resp: 338936

Ion Ratio Lower Upper

43 100

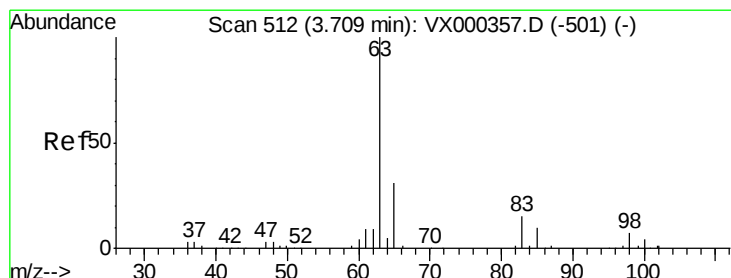
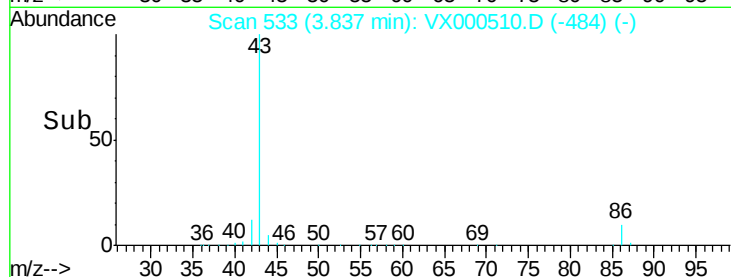
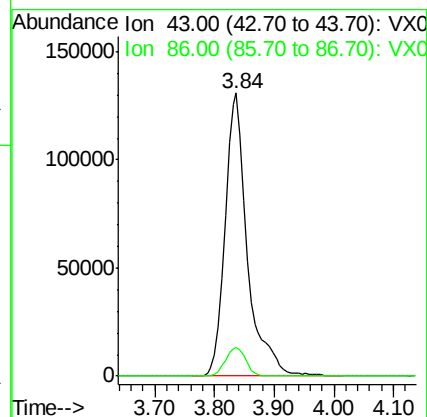
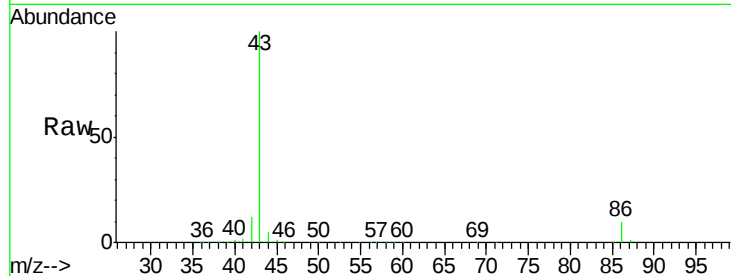
86 10.1 8.6 12.8

Manual Integrations

APPROVED

sam

3/30/2018 4:10:25 PM



#24

1,1-Dichloroethane

Concen: 21.81 ug/l

RT: 3.70 min Scan# 511

Delta R.T. -0.01 min

Lab File: VX000510.D

Acq: 29 Mar 2018 14:16

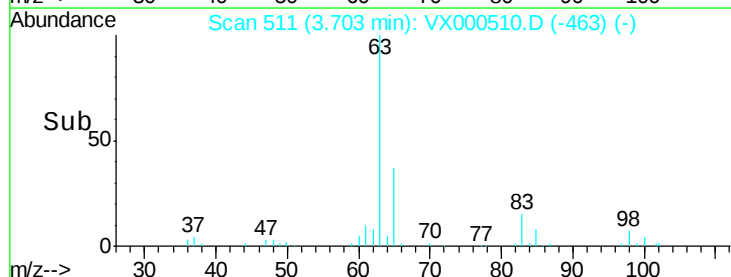
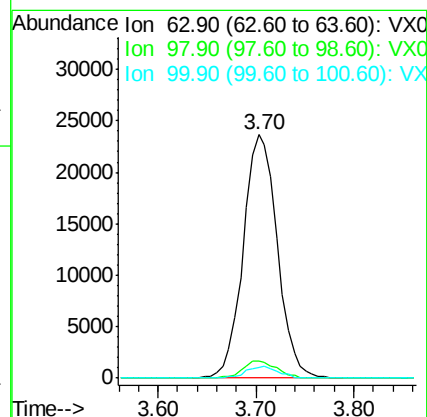
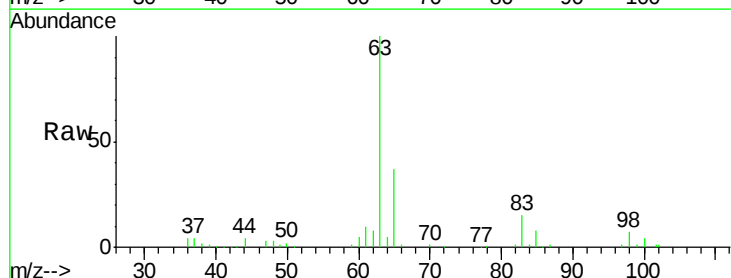
Tgt Ion: 63 Resp: 57062

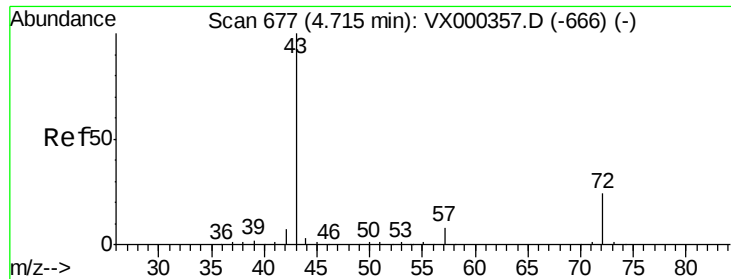
Ion Ratio Lower Upper

63 100

98 7.0 3.3 9.9

100 4.2 2.0 5.8





#25

2-Butanone

Concen: 109.49 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX000510.D

Acq: 29 Mar 2018 14:16

Instrument :

MSVOA_X

ClientSampleId :

VX0329MBS01

Tot Ion: 43 Resp: 164121

Ion Ratio Lower Upper

43 100

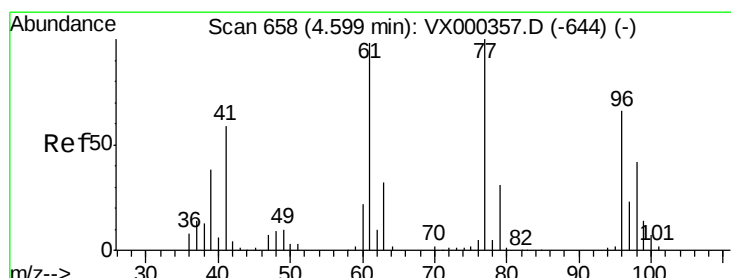
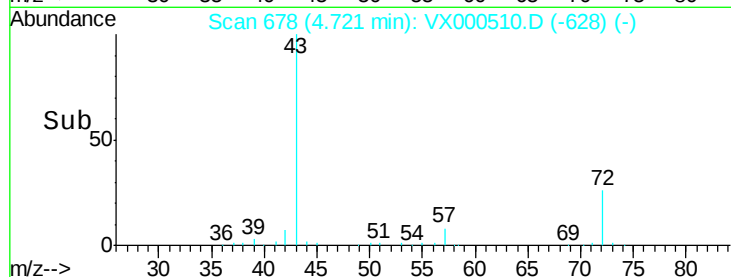
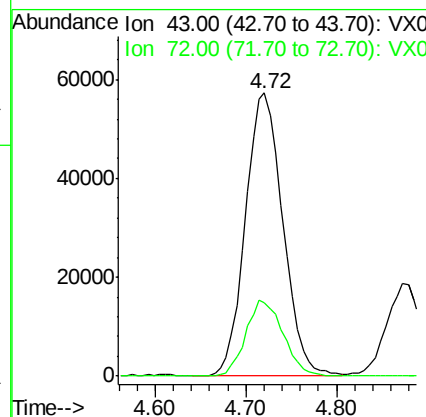
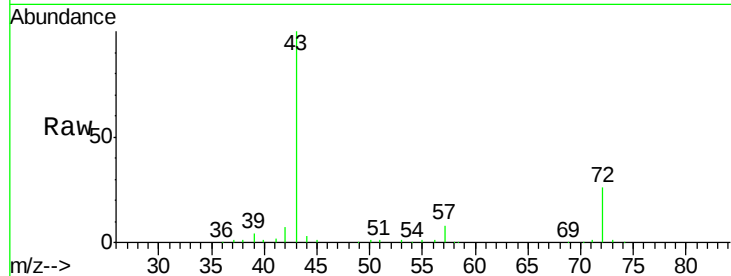
72 26.0 21.0 31.6

Manual Integrations

APPROVED

sam

3/30/2018 4:10:25 PM



#26

2,2-Dichloropropane

Concen: 19.32 ug/l

RT: 4.60 min Scan# 658

Delta R.T. 0.00 min

Lab File: VX000510.D

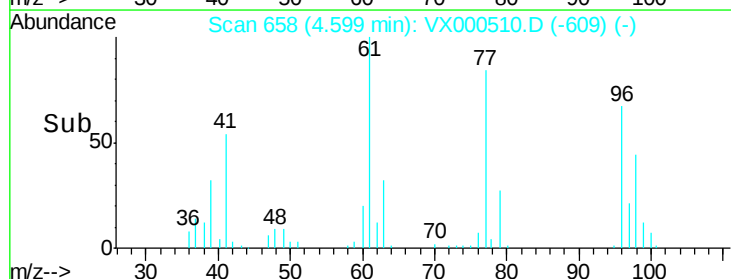
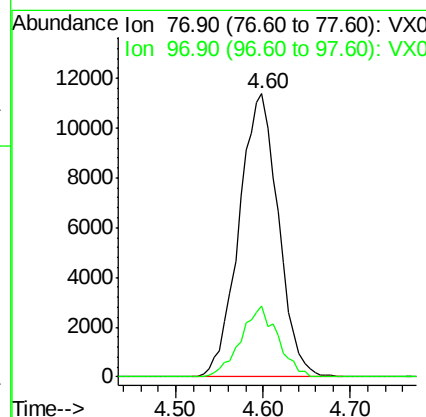
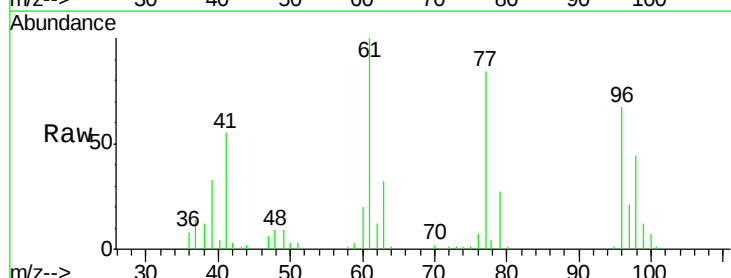
Acq: 29 Mar 2018 14:16

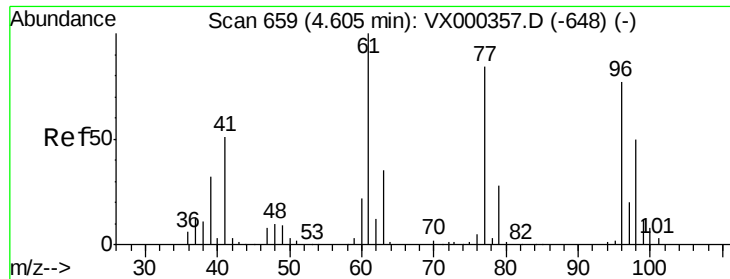
Tgt Ion: 77 Resp: 35424

Ion Ratio Lower Upper

77 100

97 23.7 11.3 33.8





#27

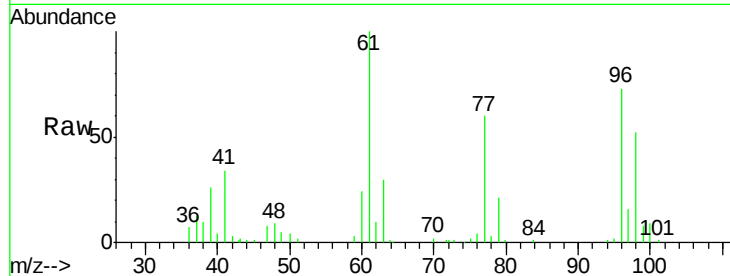
cis-1,2-Dichloroethene
Concen: 19.23 ug/l
RT: 4.61 min Scan# 660
Delta R.T. 0.01 min
Lab File: VX000510.D
Acq: 29 Mar 2018 14:16

Instrument :
MSVOA_X
ClientSampleId :
VX0329MBS01

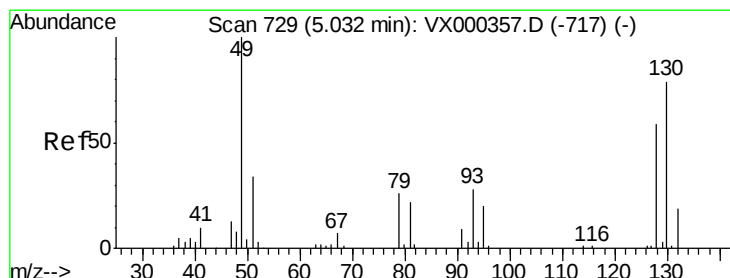
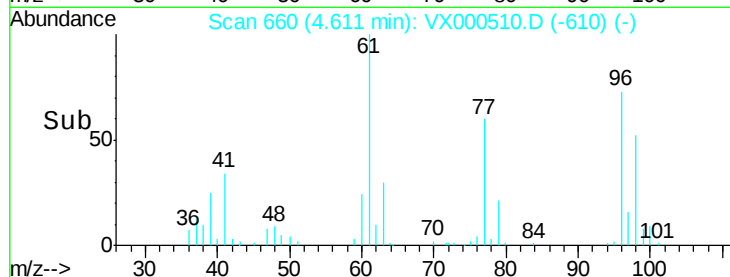
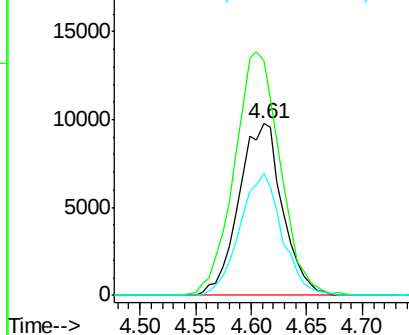
Tot Ion	Ratio	Resp	Lower	Upper
96	100	26683		
61	148.5		0.0	291.6
98	68.4		0.0	132.0

Manual Integrations
APPROVED

sam
3/30/2018 4:10:25 PM



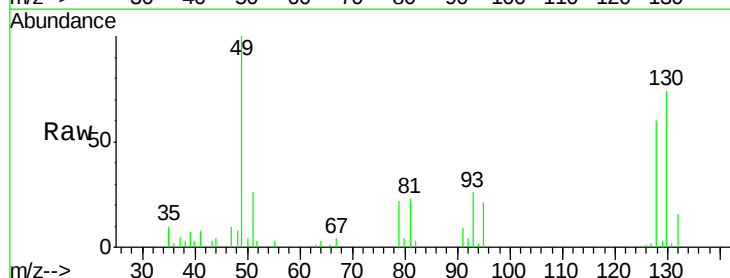
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



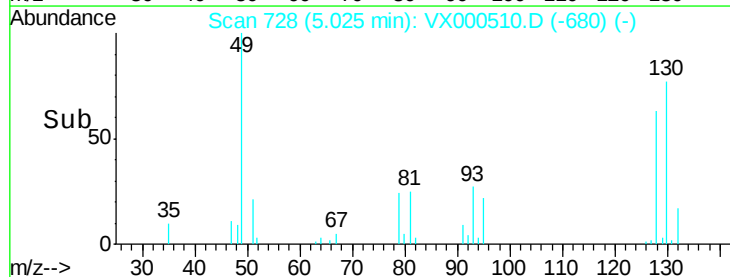
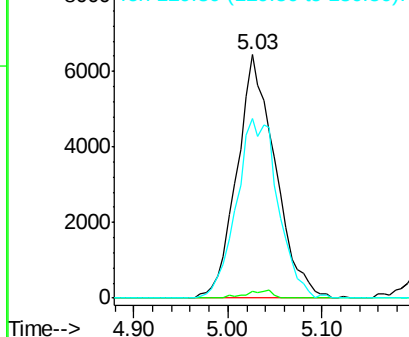
#28

Bromochloromethane
Concen: 16.97 ug/l
RT: 5.03 min Scan# 728
Delta R.T. -0.01 min
Lab File: VX000510.D
Acq: 29 Mar 2018 14:16

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	18314		
129	2.2		0.0	5.0
130	79.9		64.0	96.0



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





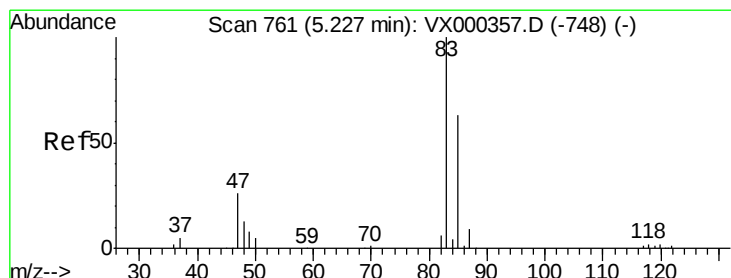
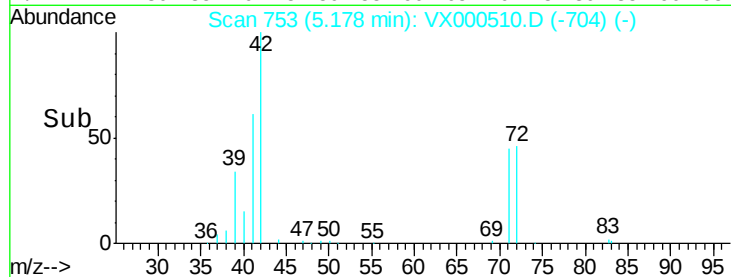
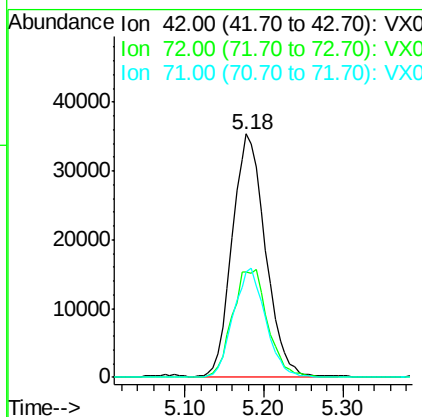
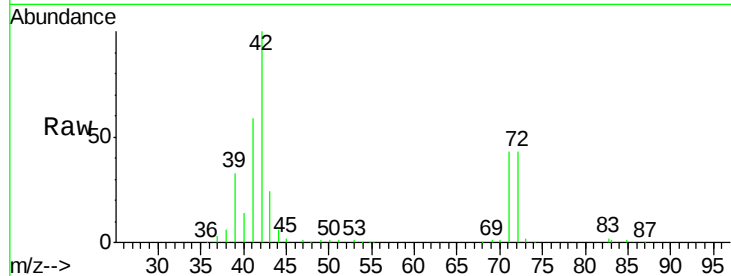
#29
Tetrahydrofuran
Concen: 112.18 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.00 min
Lab File: VX000510.D
Acq: 29 Mar 2018 14:16

Instrument :
MSVOA_X
ClientSampleId :
VX0329MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.0	37.9	56.9
71	43.5	34.4	51.6

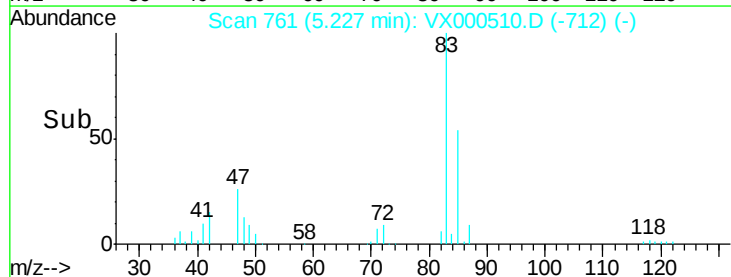
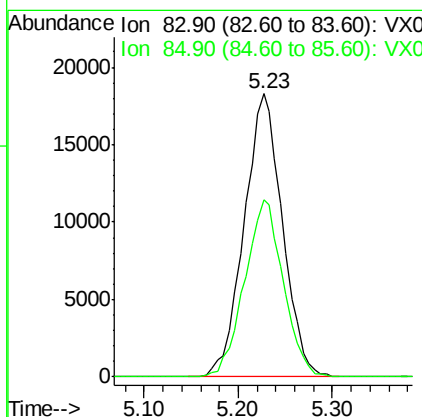
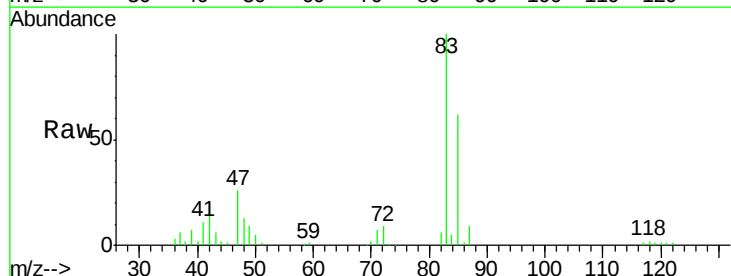
Manual Integrations
APPROVED

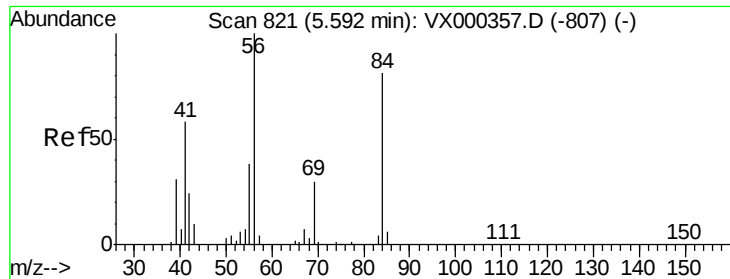
sam
3/30/2018 4:10:25 PM



#30
Chloroform
Concen: 21.24 ug/l
RT: 5.23 min Scan# 761
Delta R.T. 0.00 min
Lab File: VX000510.D
Acq: 29 Mar 2018 14:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.4	53.3	79.9





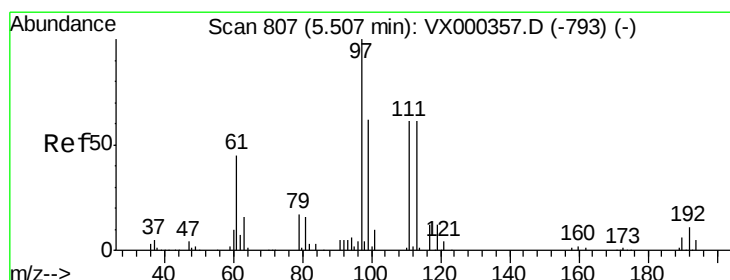
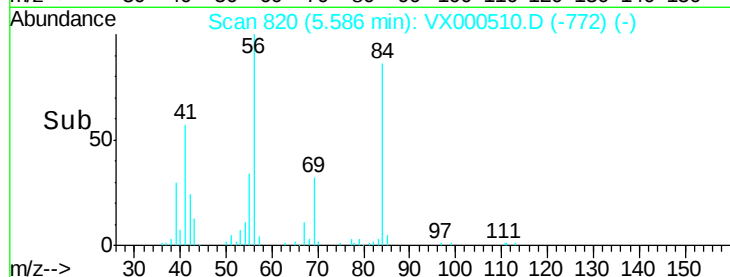
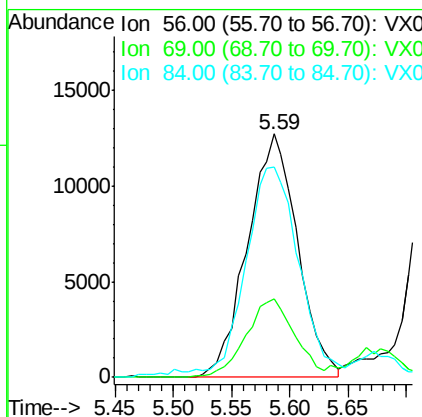
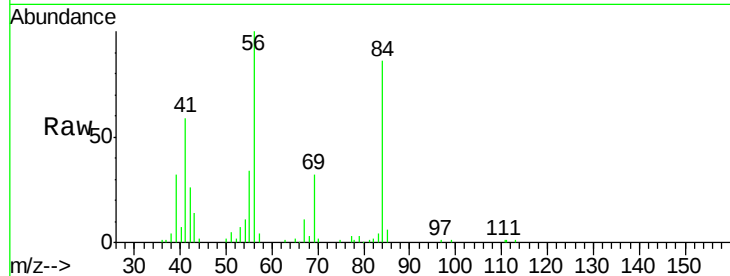
#31
Cvclohexane
Concen: 18.70 ug/l
RT: 5.59 min Scan# 820
Delta R.T. -0.01 min
Lab File: VX000510.D
Acq: 29 Mar 2018 14:16

Instrument :
MSVOA_X
ClientSampleId :
VX0329MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.1	23.4	35.0
84	83.9	71.0	106.4

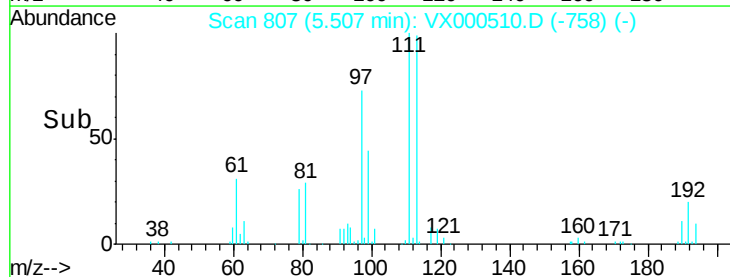
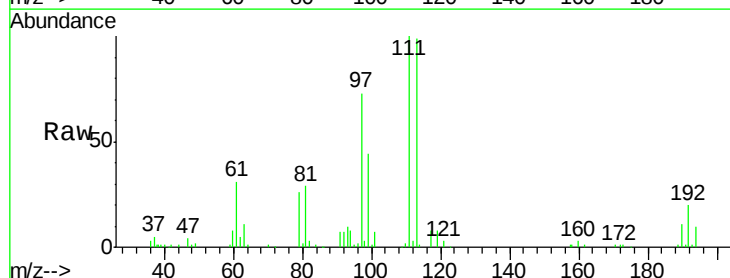
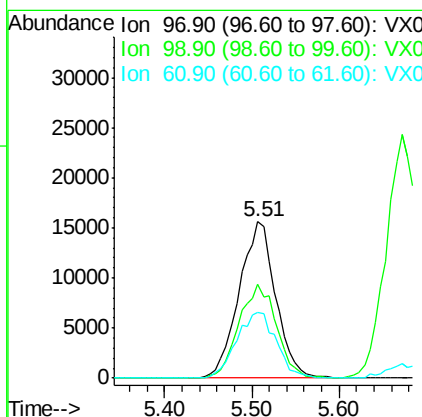
Manual Integrations
APPROVED

sam
3/30/2018 4:10:25 PM



#32
1,1,1-Trichloroethane
Concen: 20.41 ug/l
RT: 5.51 min Scan# 807
Delta R.T. 0.00 min
Lab File: VX000510.D
Acq: 29 Mar 2018 14:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.0	52.1	78.1
61	45.6	36.2	54.4





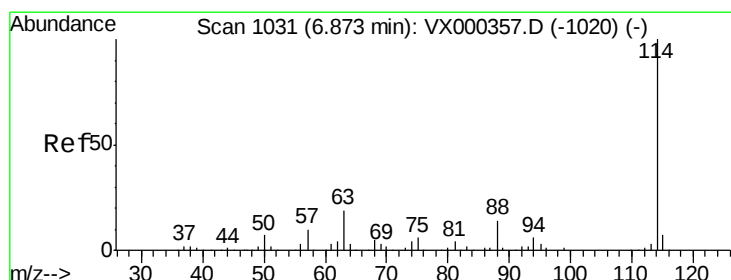
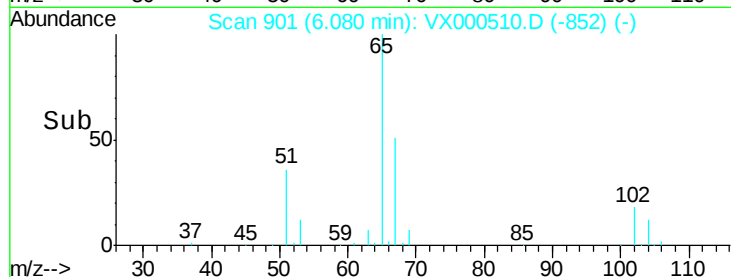
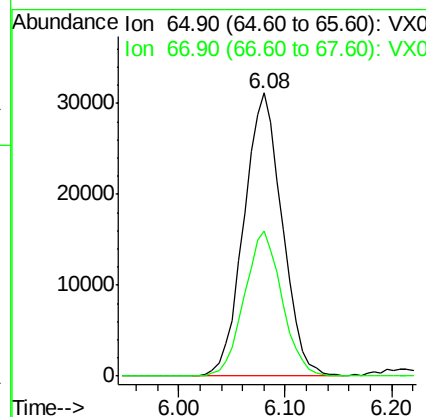
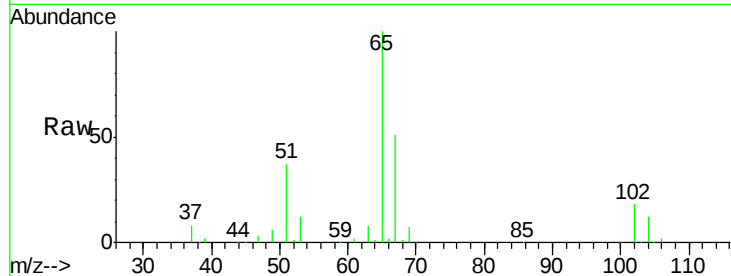
#33
 1,2-Dichloroethane-d4
 Concen: 49.04 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: VX000510.D
 Acq: 29 Mar 2018 14:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0329MBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	103.2

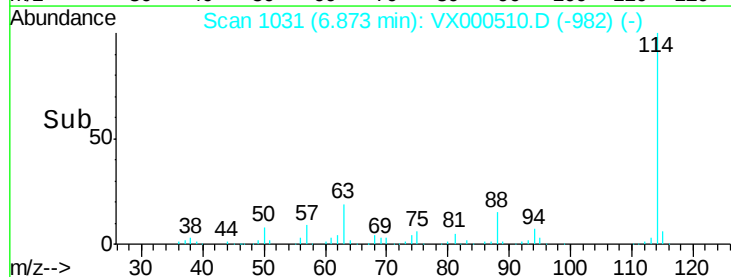
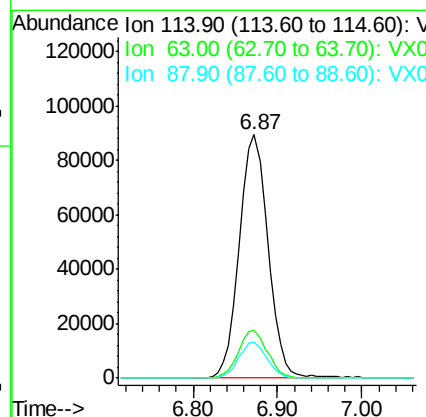
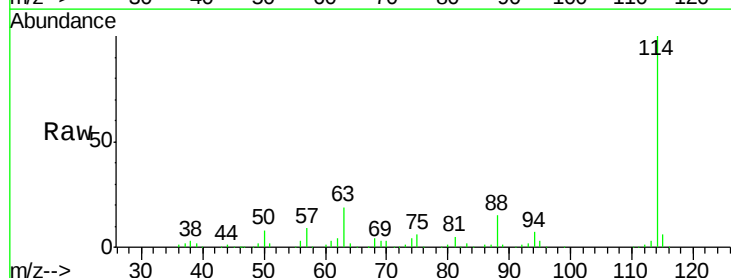
Manual Integrations
 APPROVED

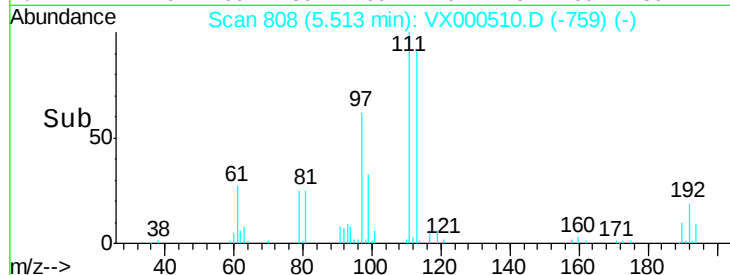
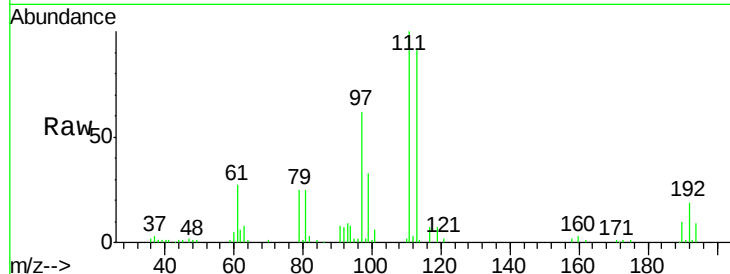
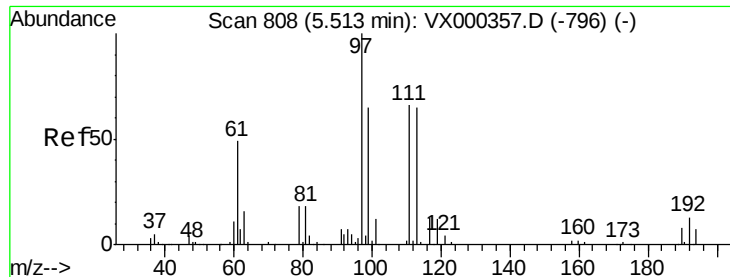
sam
 3/30/2018 4:10:25 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.00 min
 Lab File: VX000510.D
 Acq: 29 Mar 2018 14:16

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	38.4
88	14.7	0.0	27.0





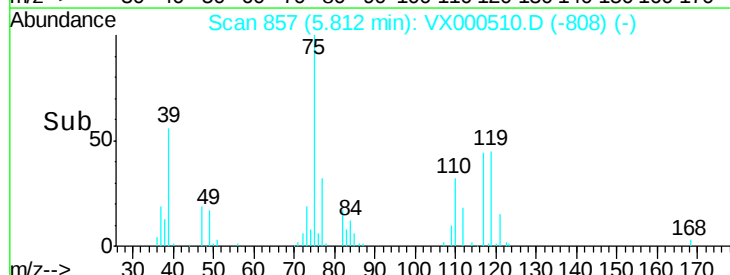
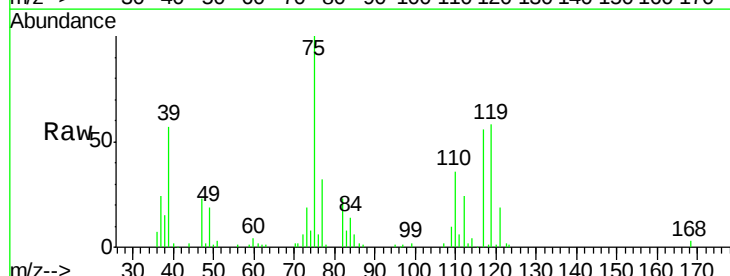
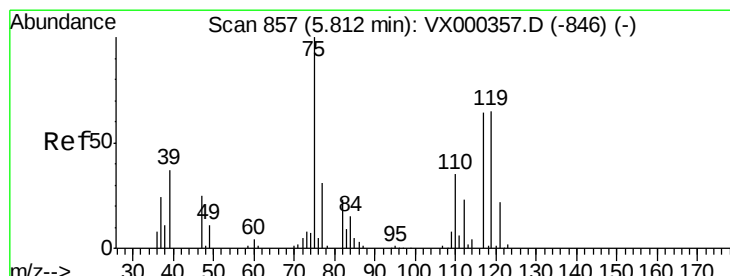
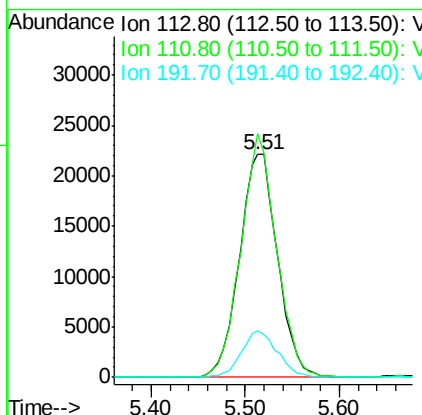
#35
Dibromofluoromethane
Concen: 48.03 ug/l
RT: 5.51 min Scan# 808
Delta R.T. 0.00 min
Lab File: VX000510.D
Acq: 29 Mar 2018 14:16

Tot Ion	Ratio	Resp	Lower	Upper
113	100	62640		
111	101.9	82.4	123.6	
192	19.8	15.8	23.6	

Instrument :
MSVOA_X
ClientSampleId :
VX0329MBS01

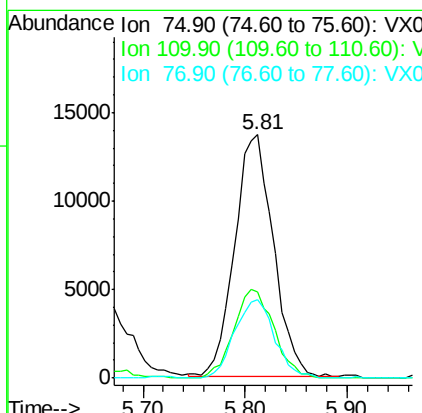
Manual Integrations
APPROVED

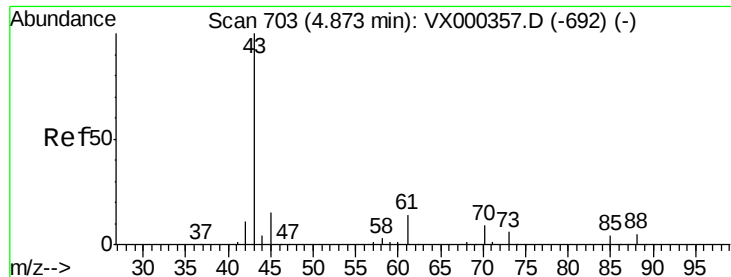
sam
3/30/2018 4:10:25 PM



#36
1,1-Dichloropropene
Concen: 18.61 ug/l
RT: 5.81 min Scan# 857
Delta R.T. 0.00 min
Lab File: VX000510.D
Acq: 29 Mar 2018 14:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	36089		
110	37.9	17.9	53.7	
77	33.4	24.0	36.0	





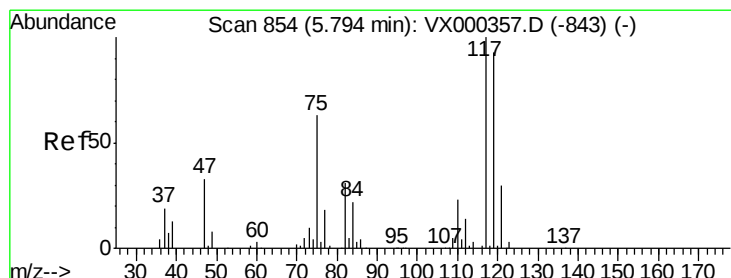
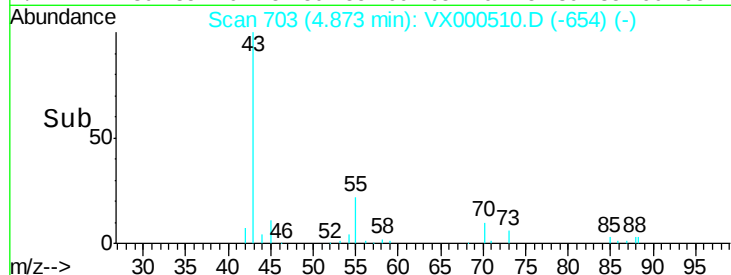
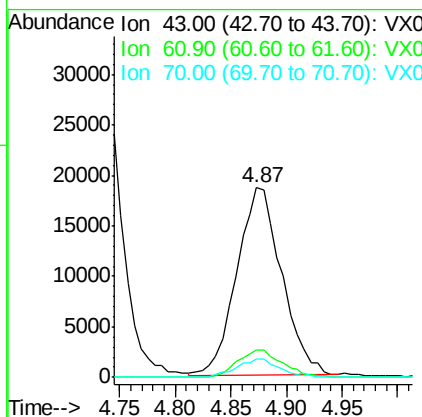
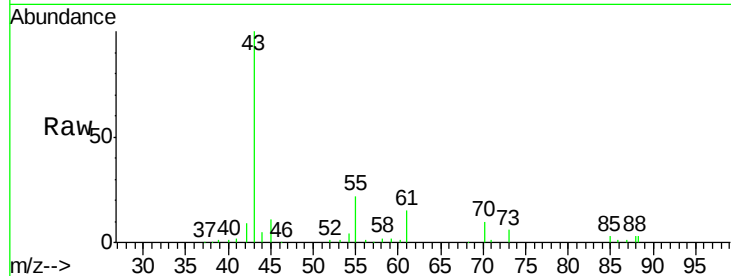
#37
Ethyl Acetate
Concen: 19.65 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.00 min
Lab File: VX000510.D
Acq: 29 Mar 2018 14:16

Instrument :
MSVOA_X
ClientSampleId :
VX0329MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.1	16.7
70	9.6	7.7	11.5

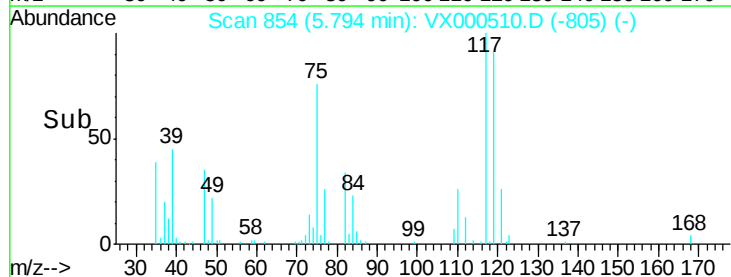
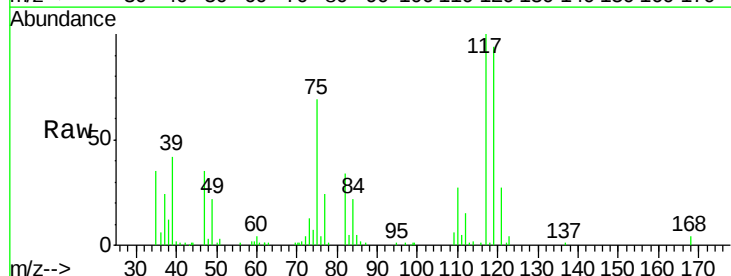
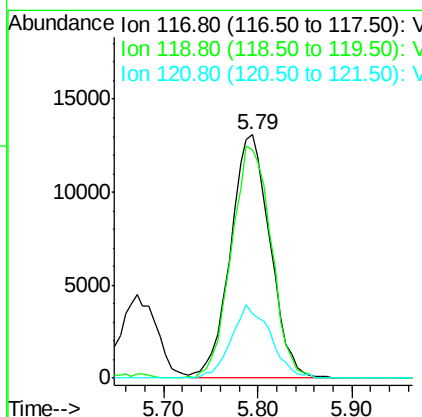
Manual Integrations
APPROVED

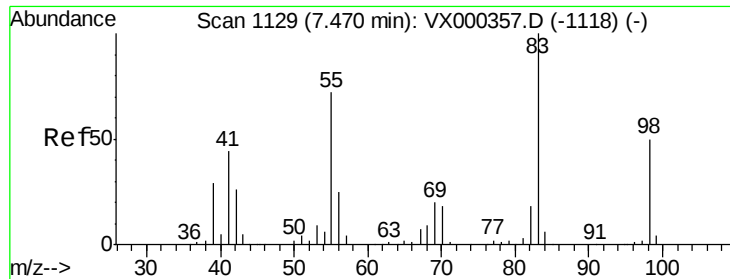
sam
3/30/2018 4:10:25 PM



#38
Carbon Tetrachloride
Concen: 18.75 ug/l
RT: 5.79 min Scan# 854
Delta R.T. 0.00 min
Lab File: VX000510.D
Acq: 29 Mar 2018 14:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.6	77.4	116.2
121	26.6	24.8	37.2





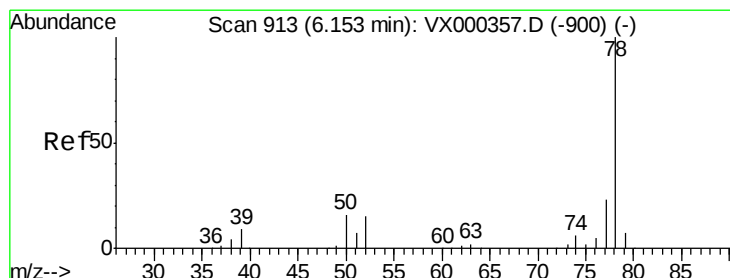
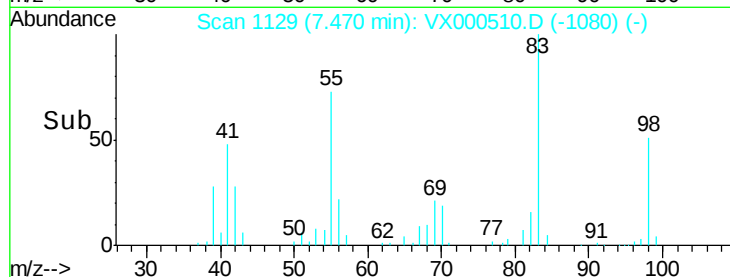
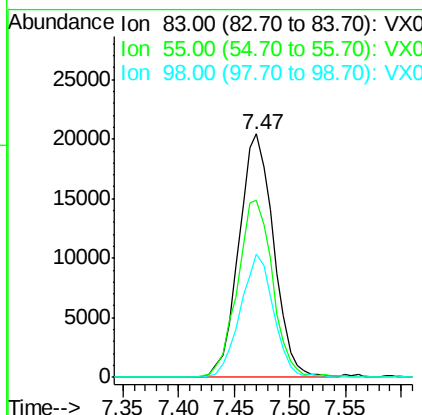
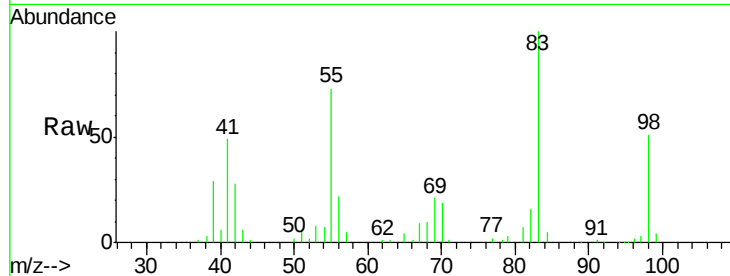
#39
Methvlcvclohexane
Concen: 18.87 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VX000510.D
Acq: 29 Mar 2018 14:16

Instrument :
MSVOA_X
ClientSampleId :
VX0329MBS01

Tot Ion	83	Resp	44494
Ion Ratio	100	Lower	Upper
83	100		
55	72.6	55.5	83.3
98	50.8	38.2	57.4

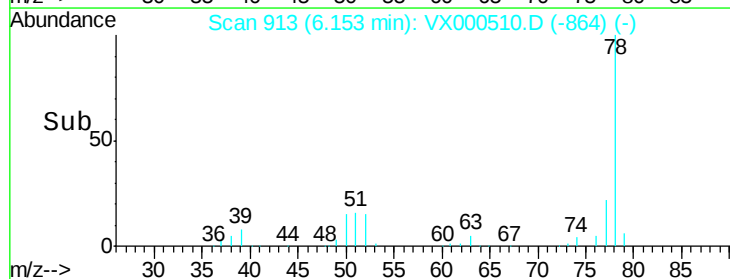
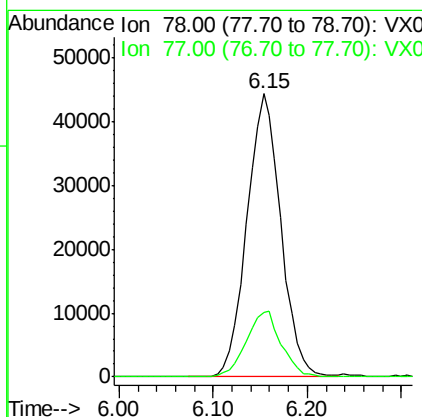
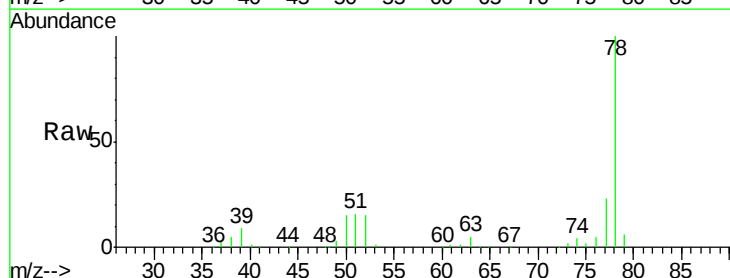
Manual Integrations
APPROVED

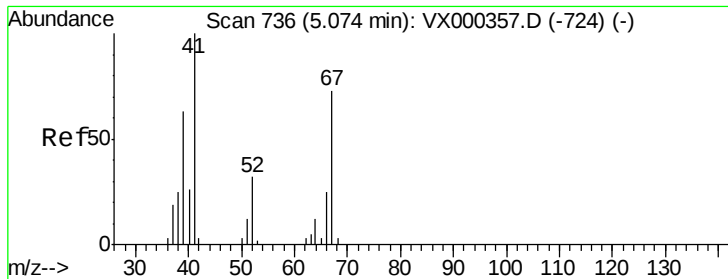
sam
3/30/2018 4:10:25 PM



#40
Benzene
Concen: 19.87 ug/l
RT: 6.15 min Scan# 913
Delta R.T. 0.00 min
Lab File: VX000510.D
Acq: 29 Mar 2018 14:16

Tgt Ion	78	Resp	111877
Ion Ratio	100	Lower	Upper
78	100		
77	22.7	18.7	28.1





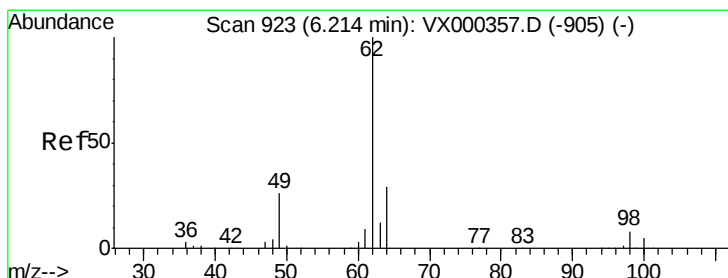
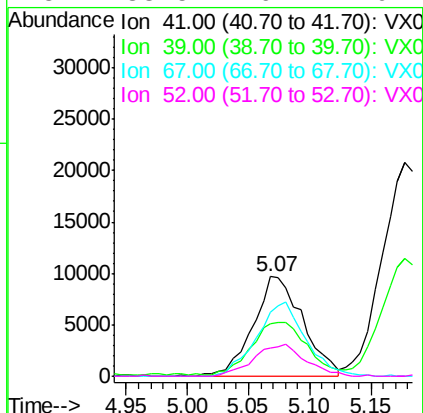
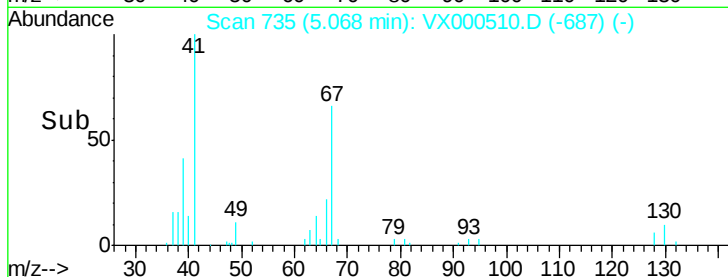
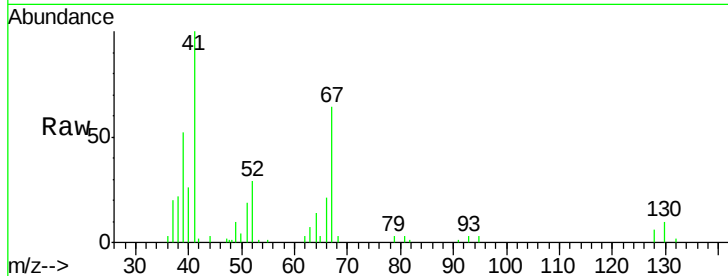
#41
Methacrylonitrile
Concen: 19.63 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.01 min
Lab File: VX000510.D
Acq: 29 Mar 2018 14:16

Instrument :
MSVOA_X
ClientSampleId :
VX0329MBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	58.3	45.7	68.5	
67	73.2	57.8	86.8	
52	33.5	26.7	40.1	

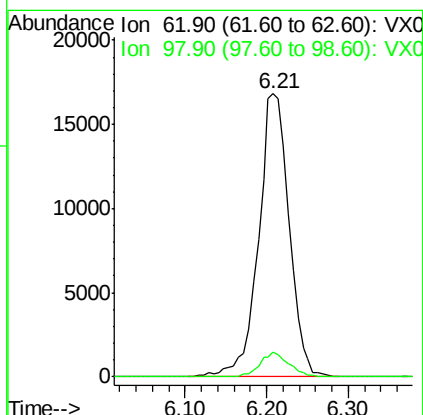
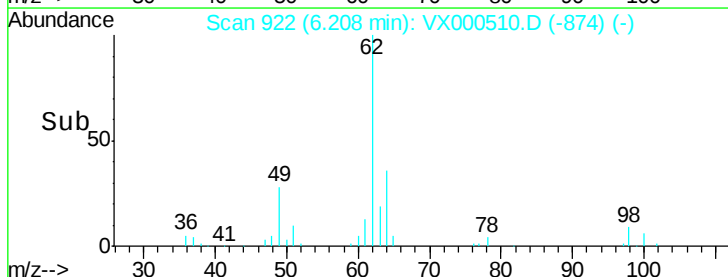
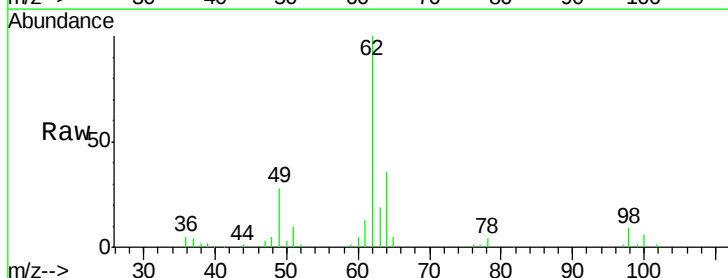
Manual Integrations
APPROVED

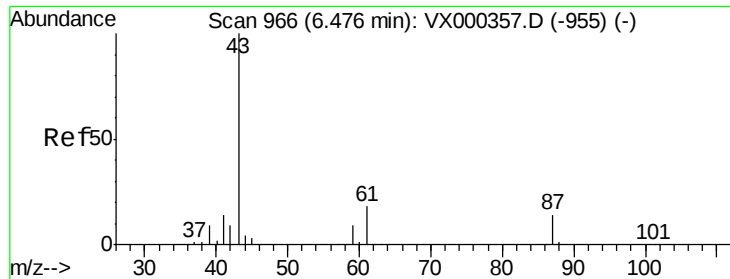
sam
3/30/2018 4:10:25 PM



#42
1,2-Dichloroethane
Concen: 19.87 ug/l
RT: 6.21 min Scan# 922
Delta R.T. -0.01 min
Lab File: VX000510.D
Acq: 29 Mar 2018 14:16

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.1	0.0	15.8	





#43

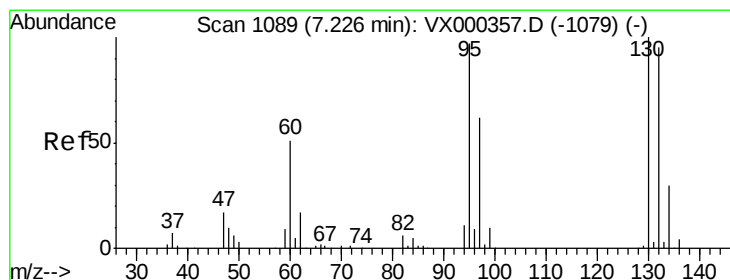
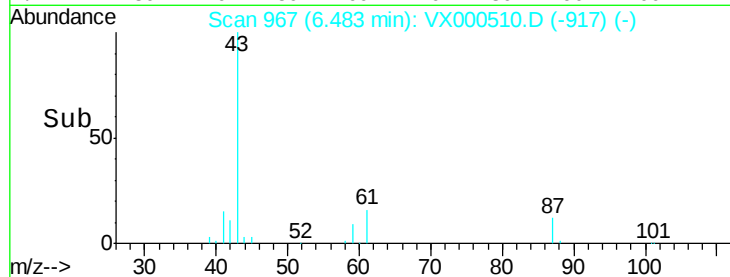
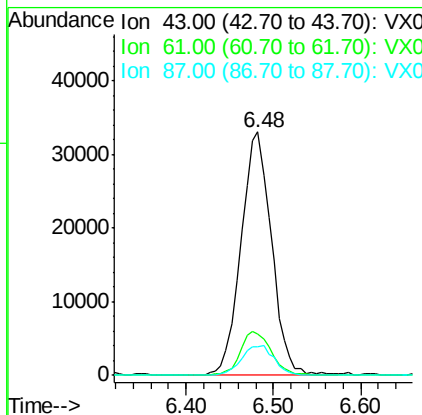
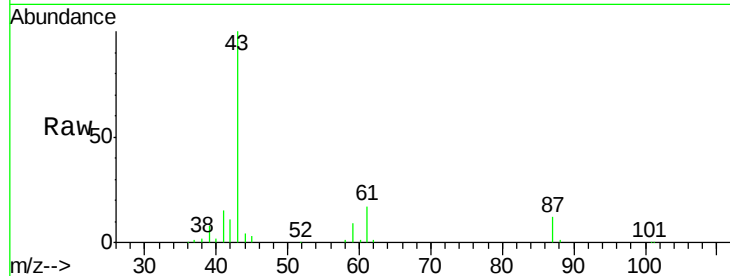
Isopropyl Acetate
 Concen: 20.35 ug/l
 RT: 6.48 min Scan# 967
 Delta R.T. 0.01 min
 Lab File: VX000510.D
 Acq: 29 Mar 2018 14:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0329MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.3	14.4	21.6
87	13.3	11.0	16.4

Manual Integrations
 APPROVED

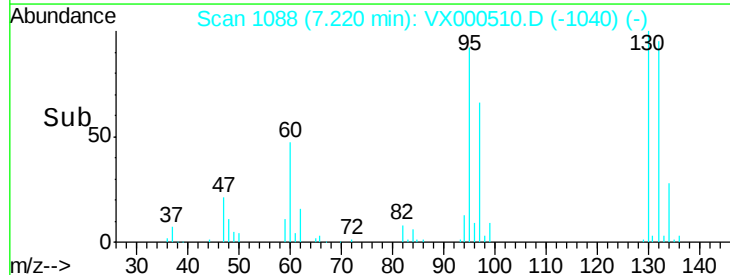
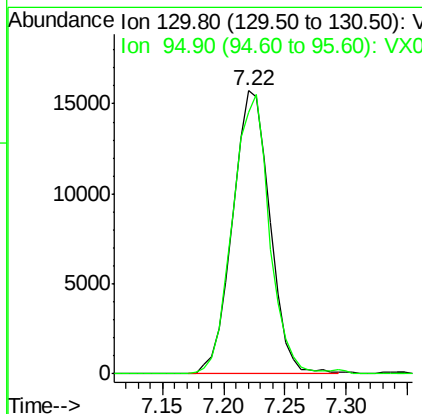
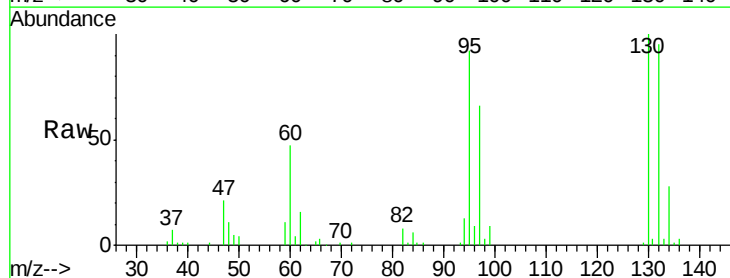
sam
 3/30/2018 4:10:25 PM



#44

Trichloroethene
 Concen: 20.55 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.01 min
 Lab File: VX000510.D
 Acq: 29 Mar 2018 14:16

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.4	0.0	186.0





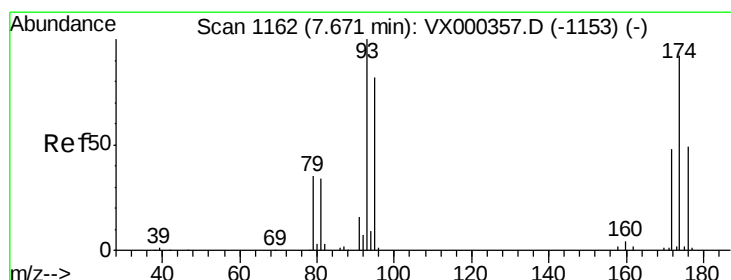
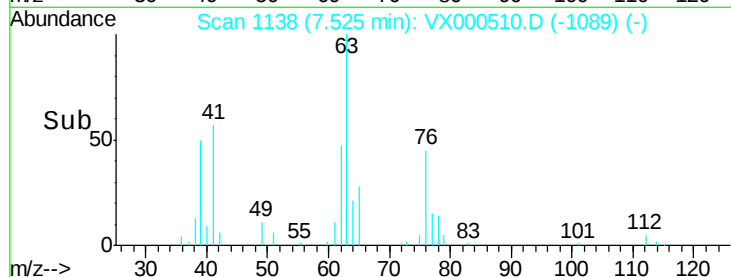
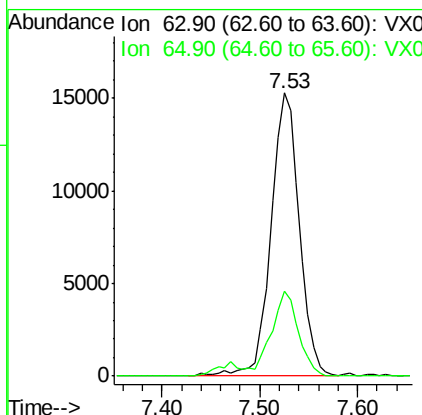
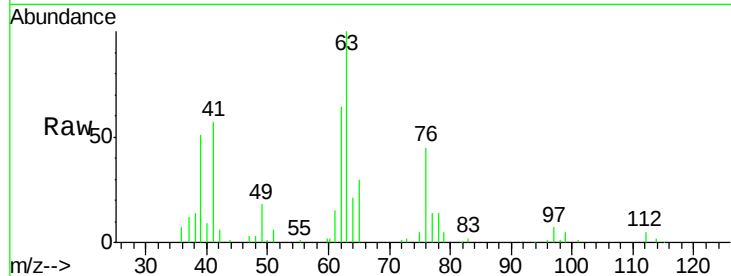
#45
1,2-Dichloropropane
Concen: 21.40 ug/l
RT: 7.53 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VX000510.D
Acq: 29 Mar 2018 14:16

Instrument :
MSVOA_X
ClientSampleId :
VX0329MBS01

Tot Ion: 63 Resp: 30842
Ion Ratio Lower Upper
63 100
65 29.9 24.6 36.8

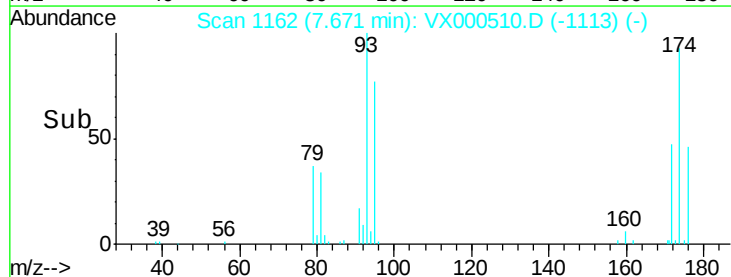
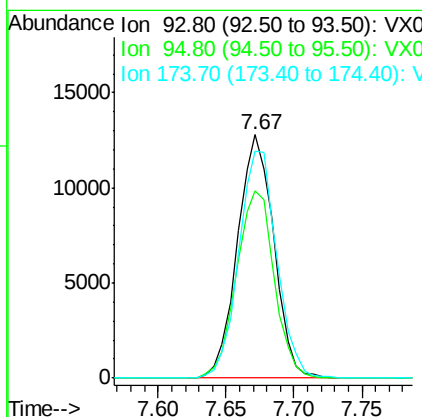
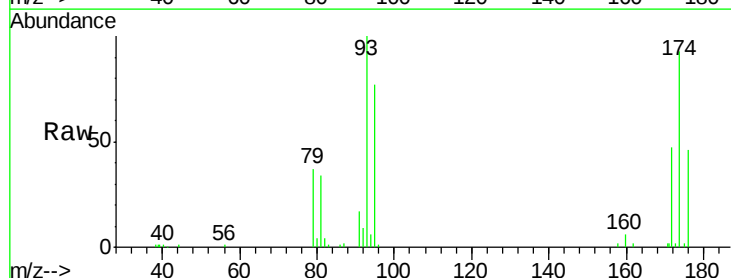
Manual Integrations
APPROVED

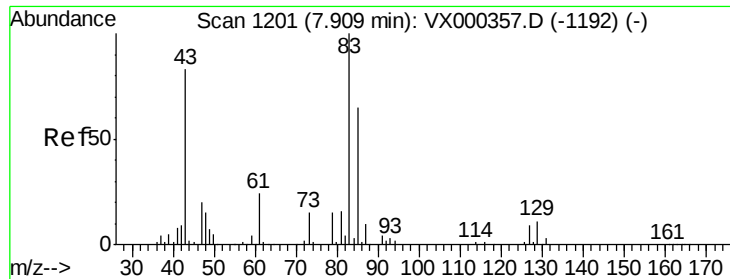
sam
3/30/2018 4:10:25 PM



#46
Dibromomethane
Concen: 21.12 ug/l
RT: 7.67 min Scan# 1162
Delta R.T. 0.00 min
Lab File: VX000510.D
Acq: 29 Mar 2018 14:16

Tgt Ion: 93 Resp: 23891
Ion Ratio Lower Upper
93 100
95 79.6 66.5 99.7
174 97.7 76.0 114.0





#47

Bromodichloromethane

Concen: 21.11 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VX000510.D

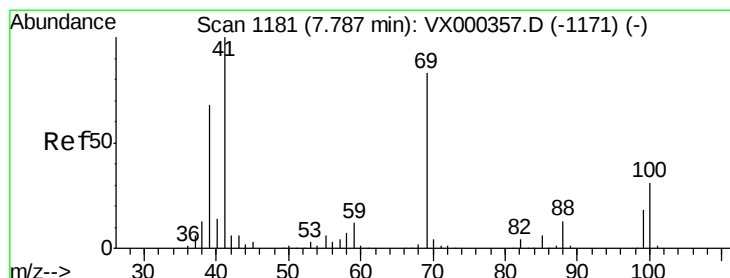
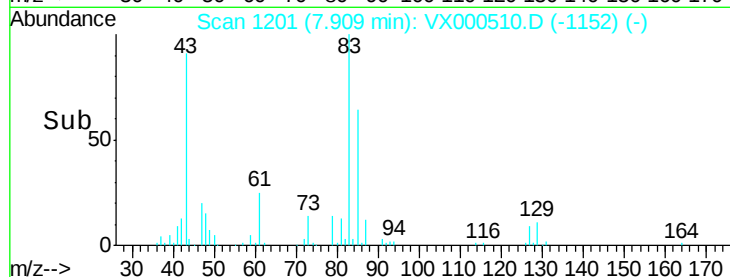
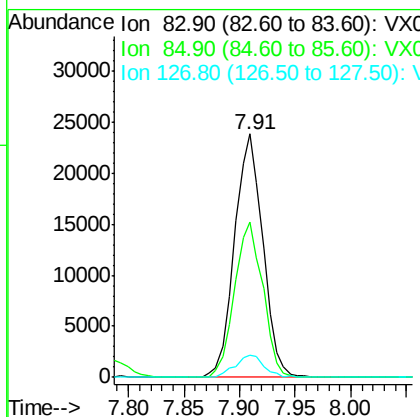
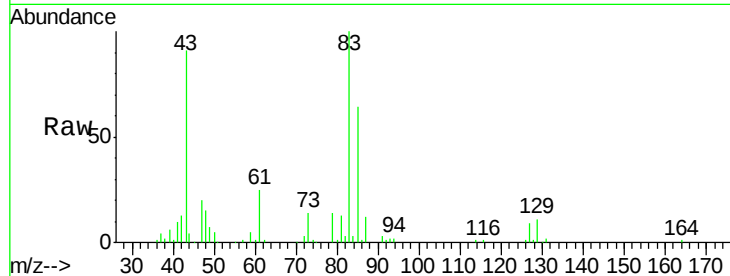
Acq: 29 Mar 2018 14:16

Tot Ion:	83	Resp:	42022
Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.4	77.0
127	9.3	7.0	10.6

Instrument :
MSVOA_X
ClientSampleId :
VX0329MBS01

Manual Integrations
APPROVED

sam
3/30/2018 4:10:25 PM



#48

Methyl methacrylate

Concen: 21.26 ug/l

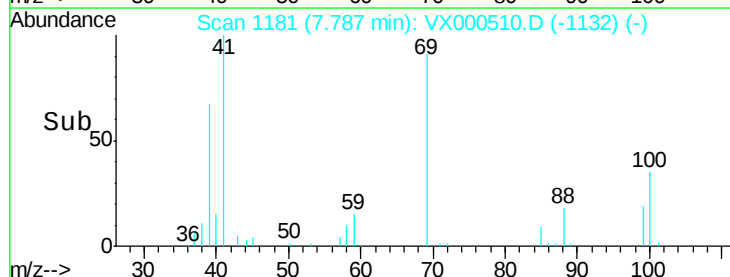
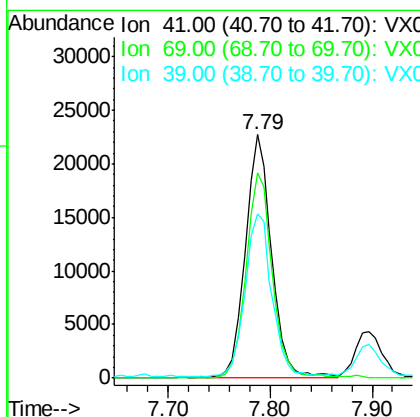
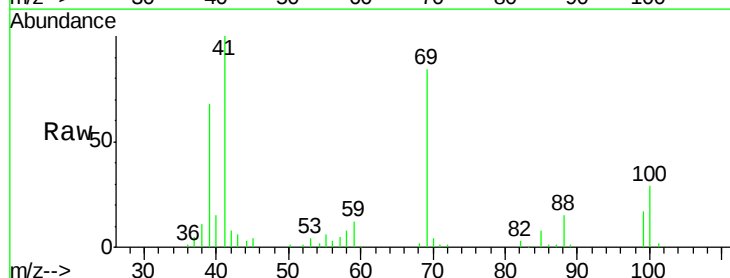
RT: 7.79 min Scan# 1181

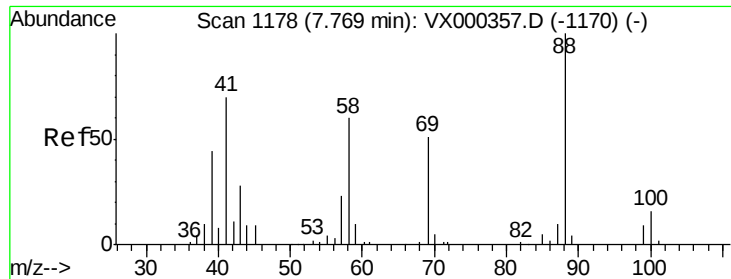
Delta R.T. 0.00 min

Lab File: VX000510.D

Acq: 29 Mar 2018 14:16

Tgt Ion:	41	Resp:	40683
Ion	Ratio	Lower	Upper
41	100		
69	84.1	68.2	102.4
39	67.7	54.6	81.8





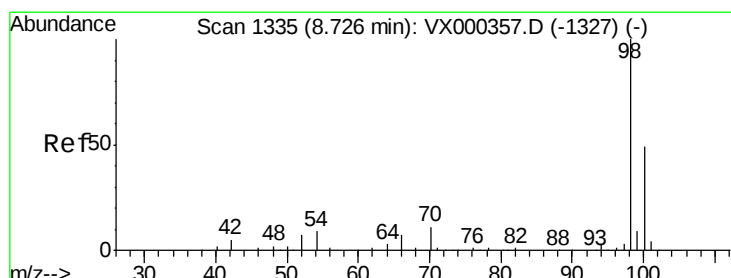
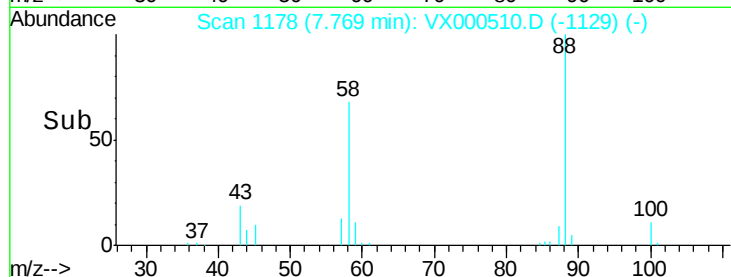
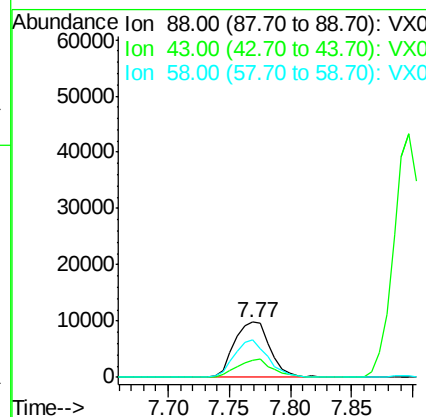
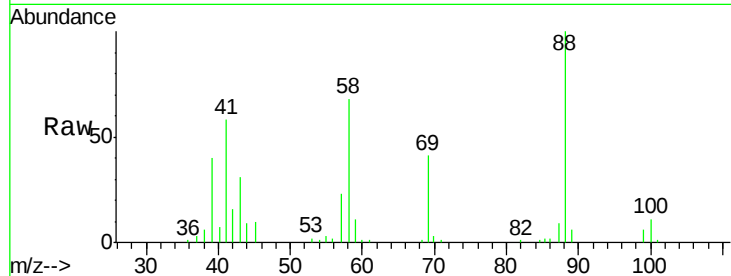
#49
1,4-Dioxane
Concen: 495.26 ug/l
RT: 7.77 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VX000510.D
Acq: 29 Mar 2018 14:16

Instrument :
MSVOA_X
ClientSampleId :
VX0329MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.0	26.8	40.2
58	64.2	52.2	78.2

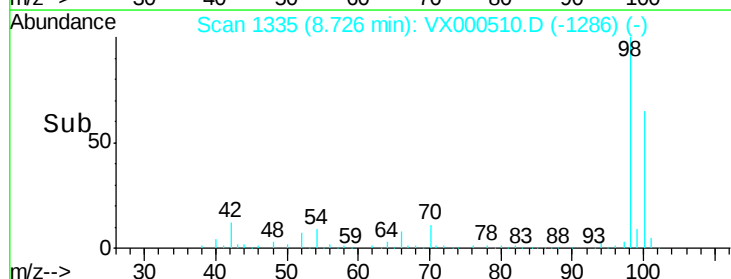
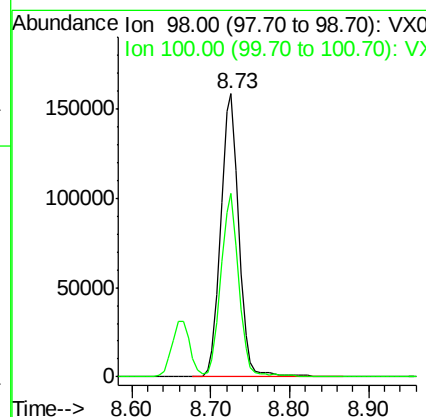
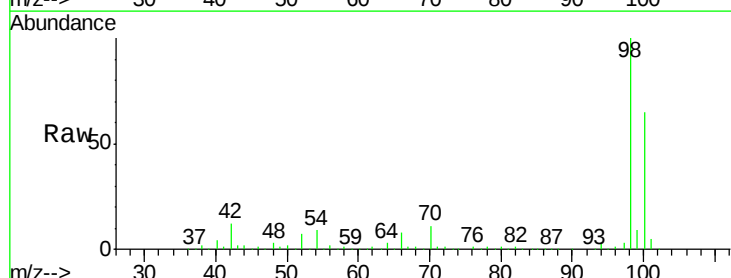
Manual Integrations
APPROVED

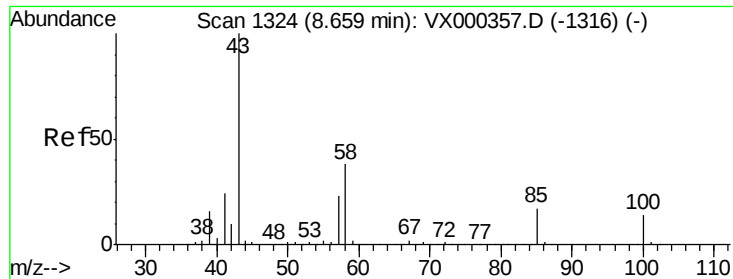
sam
3/30/2018 4:10:25 PM



#50
Toluene-d8
Concen: 47.02 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VX000510.D
Acq: 29 Mar 2018 14:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 109.48 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX000510.D

Acq: 29 Mar 2018 14:16

Instrument :

MSVOA_X

ClientSampleId :

VX0329MBS01

Tot Ion: 43 Resp: 334036

Ion Ratio Lower Upper

43 100

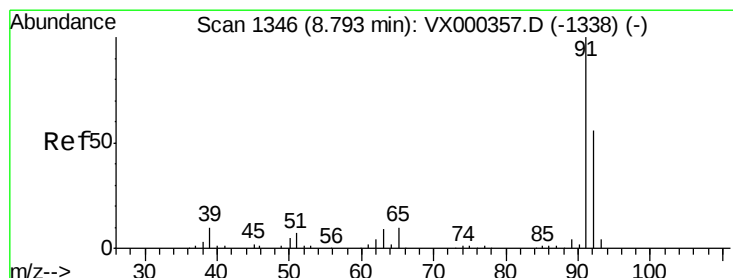
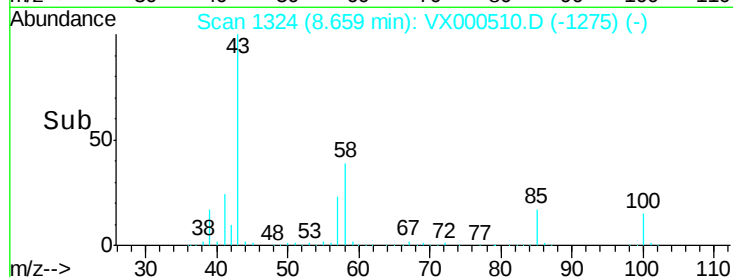
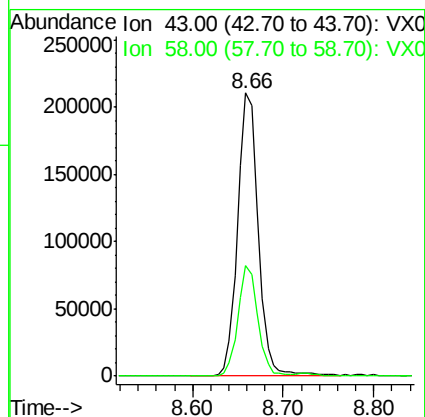
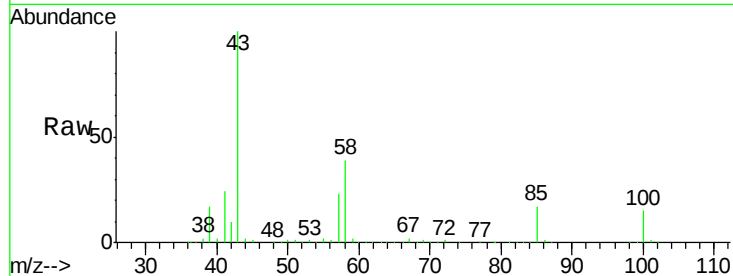
58 37.3 30.3 45.5

Manual Integrations

APPROVED

sam

3/30/2018 4:10:25 PM



#52

Toluene

Concen: 20.19 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VX000510.D

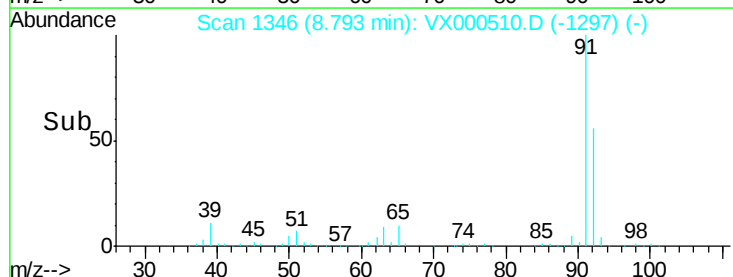
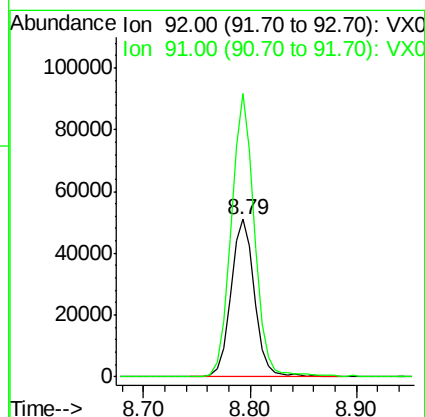
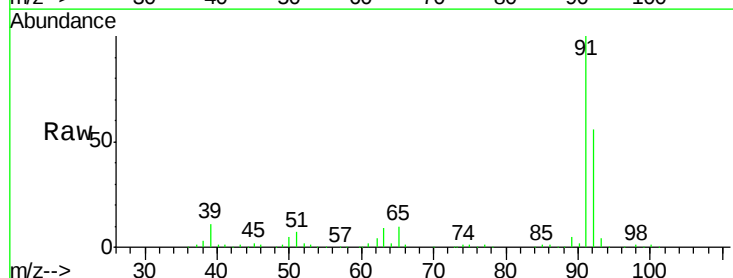
Acq: 29 Mar 2018 14:16

Tgt Ion: 92 Resp: 79485

Ion Ratio Lower Upper

92 100

91 176.5 140.2 210.2





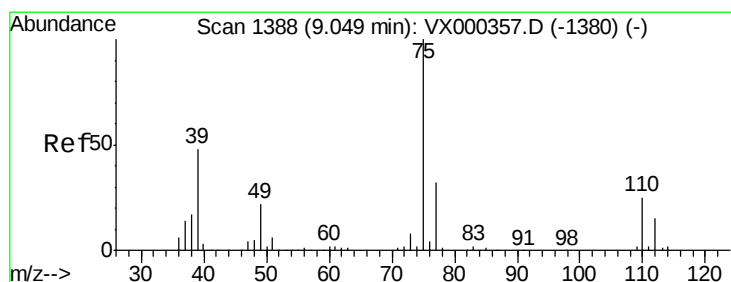
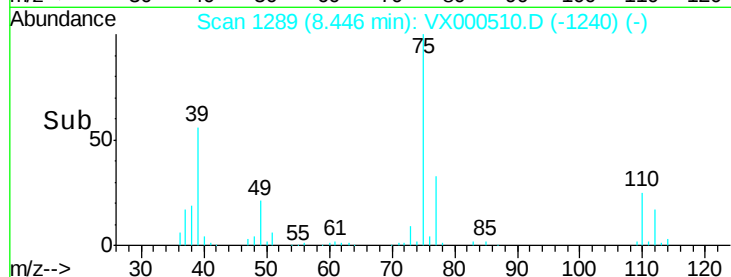
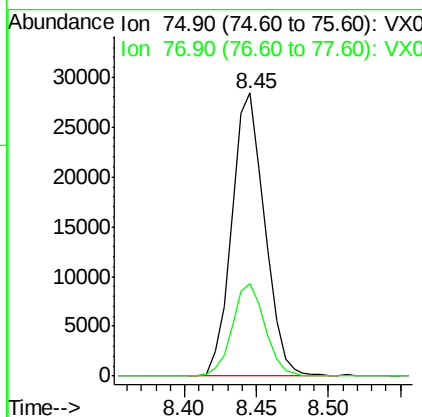
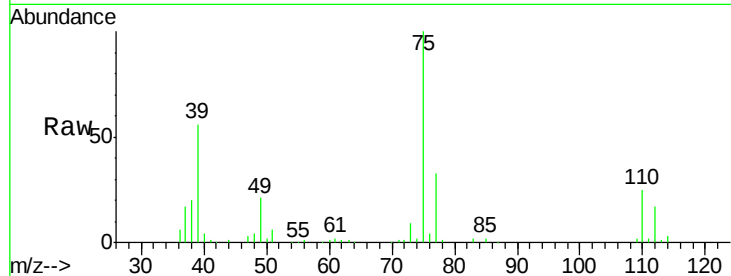
#53
t-1,3-Dichloropropene
Concen: 19.68 ug/l
RT: 8.45 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VX000510.D
Acq: 29 Mar 2018 14:16

Instrument :
MSVOA_X
ClientSampleId :
VX0329MBS01

Tot Ion: 75 Resp: 45376
Ion Ratio Lower Upper
75 100
77 32.6 24.0 36.0

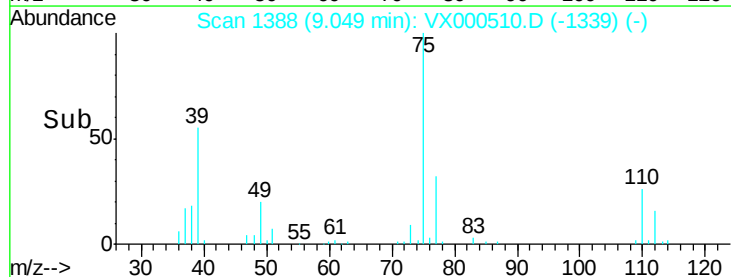
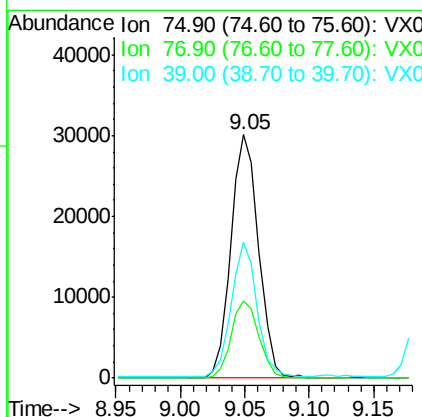
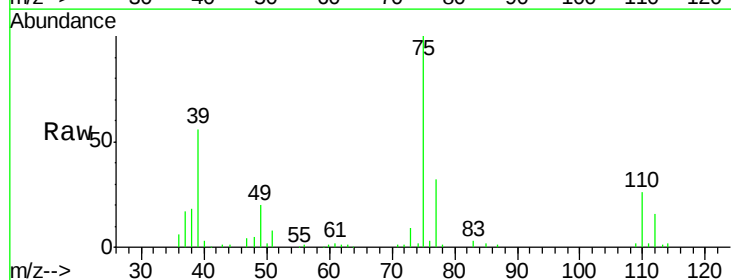
Manual Integrations
APPROVED

sam
3/30/2018 4:10:25 PM



#54
cis-1,3-Dichloropropene
Concen: 20.19 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VX000510.D
Acq: 29 Mar 2018 14:16

Tgt Ion: 75 Resp: 45166
Ion Ratio Lower Upper
75 100
77 31.6 26.1 39.1
39 55.1 39.8 59.6





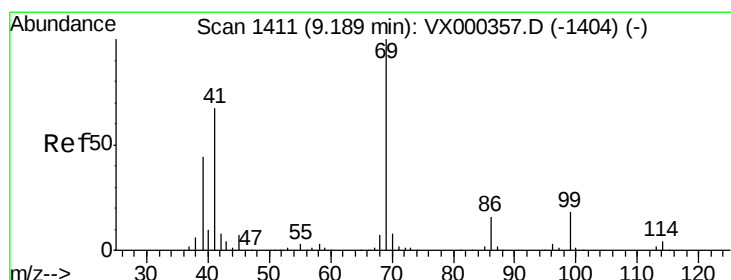
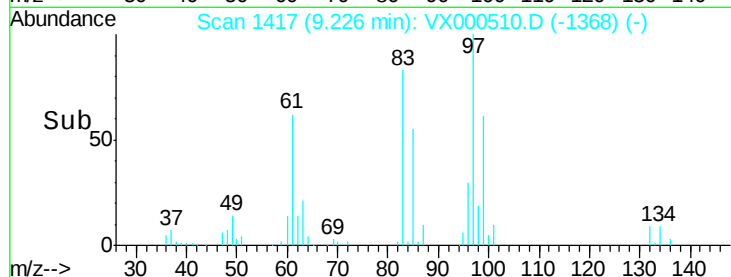
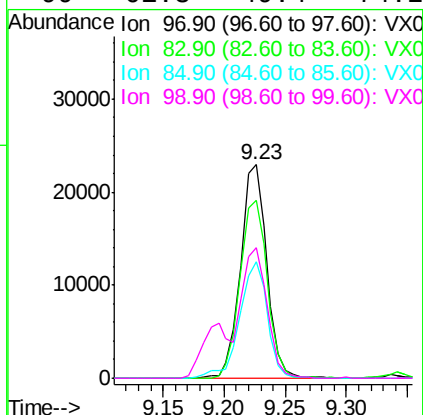
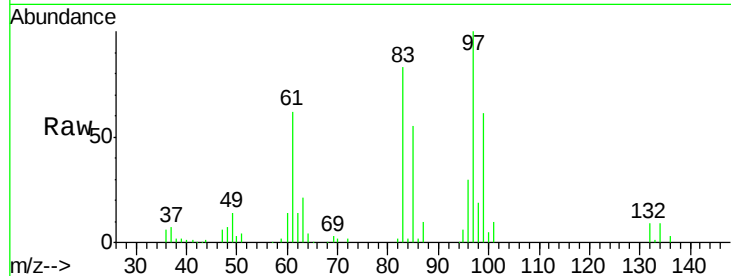
#55
 1,1,2-Trichloroethane
 Concen: 21.03 ug/l
 RT: 9.23 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VX000510.D
 Acq: 29 Mar 2018 14:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0329MBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	83.2	67.9	101.9
85	54.7	42.8	64.2
99	61.3	49.4	74.2

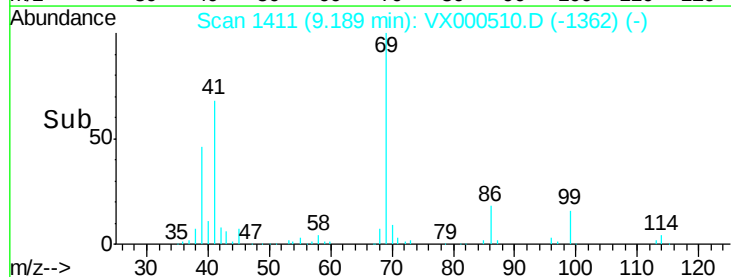
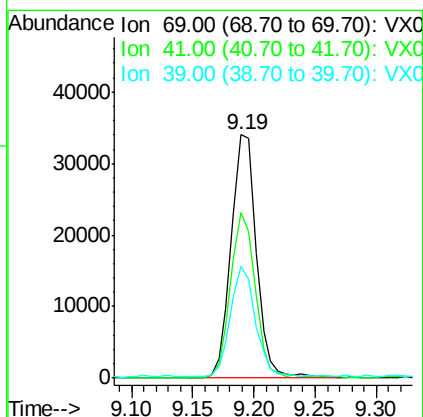
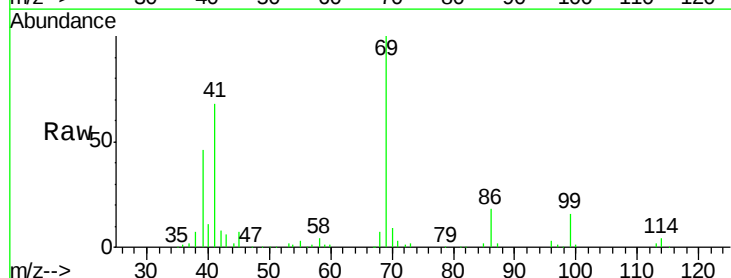
Manual Integrations
 APPROVED

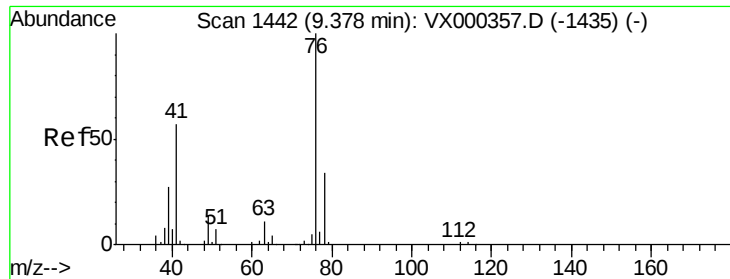
sam
 3/30/2018 4:10:25 PM



#56
 Ethyl methacrylate
 Concen: 19.91 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX000510.D
 Acq: 29 Mar 2018 14:16

Tgt Ion	Ratio	Lower	Upper
69	100		
41	66.9	53.0	79.6
39	44.6	35.3	52.9





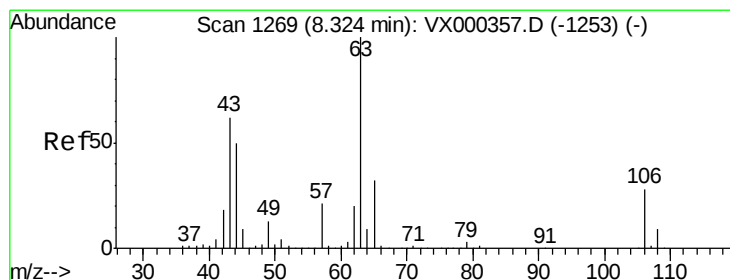
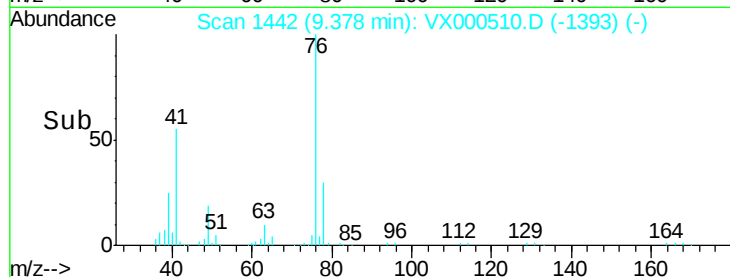
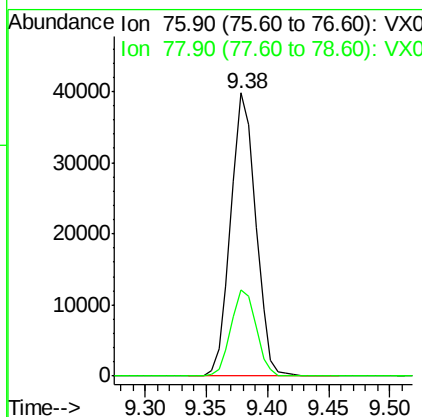
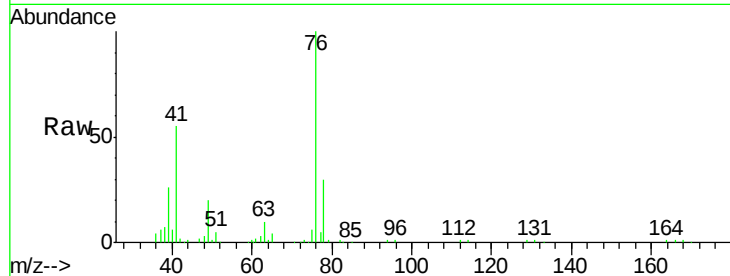
#57
 1,3-Dichloropropane
 Concen: 21.79 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX000510.D
 Acq: 29 Mar 2018 14:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0329MBS01

Tot Ion: 76 Resp: 56414
 Ion Ratio Lower Upper
 76 100
 78 30.6 26.4 39.6

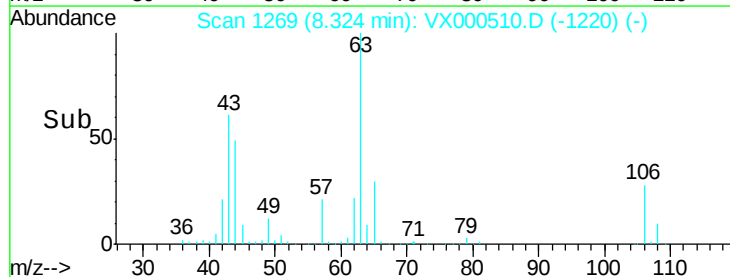
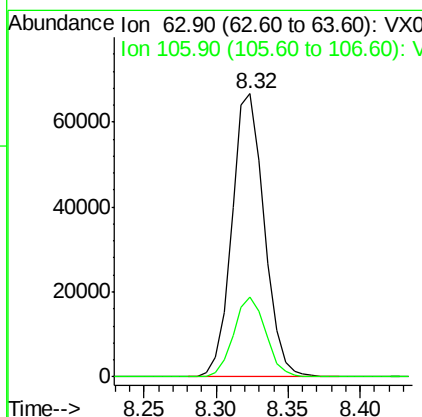
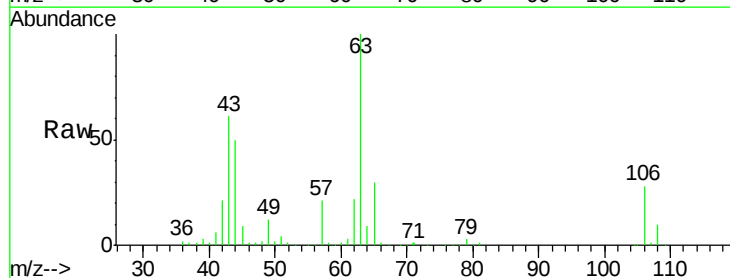
Manual Integrations
 APPROVED

sam
 3/30/2018 4:10:25 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 89.15 ug/l
 RT: 8.32 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VX000510.D
 Acq: 29 Mar 2018 14:16

Tgt Ion: 63 Resp: 104940
 Ion Ratio Lower Upper
 63 100
 106 28.0 23.2 34.8





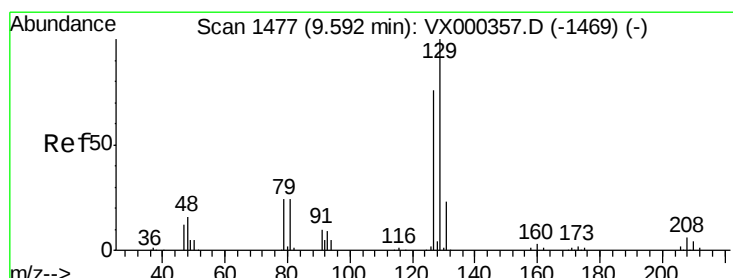
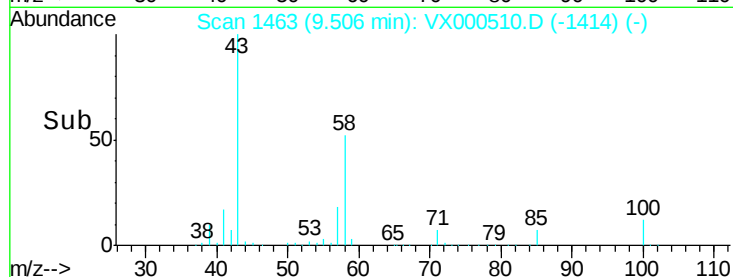
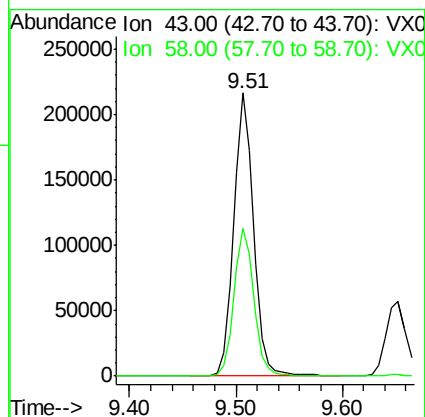
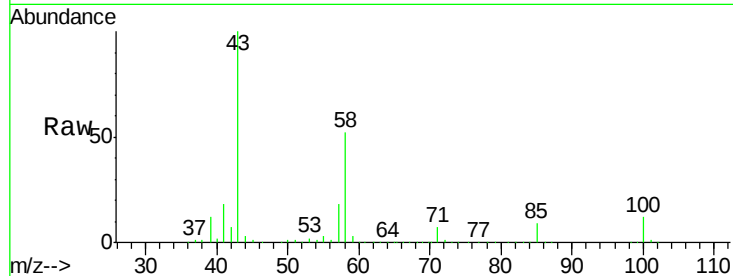
#59
2-Hexanone
Concen: 109.69 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX000510.D
Acq: 29 Mar 2018 14:16

Instrument :
MSVOA_X
ClientSampleId :
VX0329MBS01

Tot Ion: 43 Resp: 284195
Ion Ratio Lower Upper
43 100
58 52.4 26.6 79.7

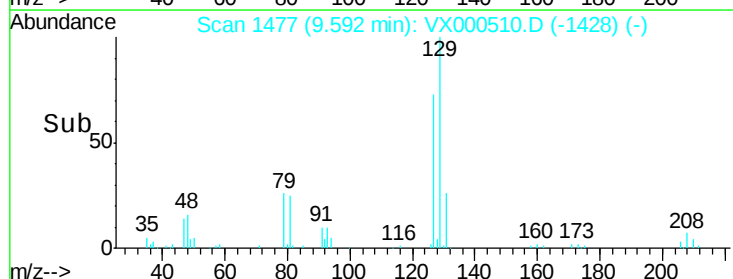
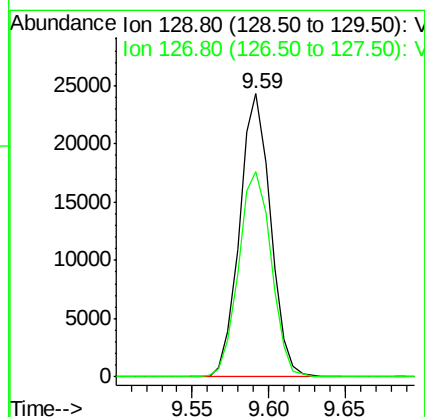
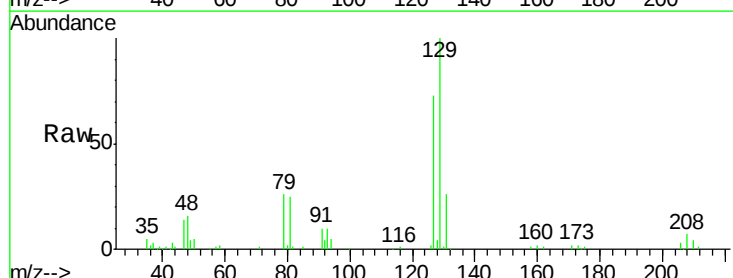
Manual Integrations
APPROVED

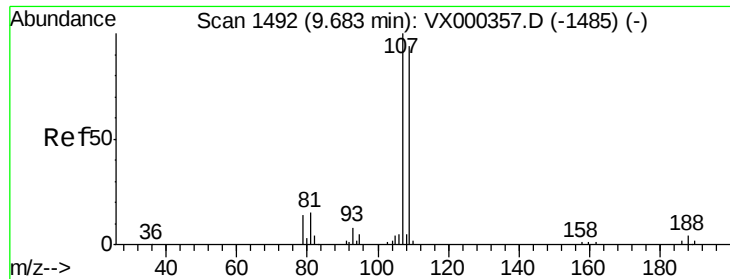
sam
3/30/2018 4:10:25 PM



#60
Dibromochloromethane
Concen: 20.47 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX000510.D
Acq: 29 Mar 2018 14:16

Tgt Ion: 129 Resp: 34131
Ion Ratio Lower Upper
129 100
127 76.4 37.9 113.6





#61

1,2-Dibromoethane

Concen: 21.41 ug/l

RT: 9.68 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX000510.D

Acq: 29 Mar 2018 14:16

Instrument :

MSVOA_X

ClientSampleId :

VX0329MBS01

Tot Ion:107 Resp: 37170

Ion Ratio Lower Upper

107 100

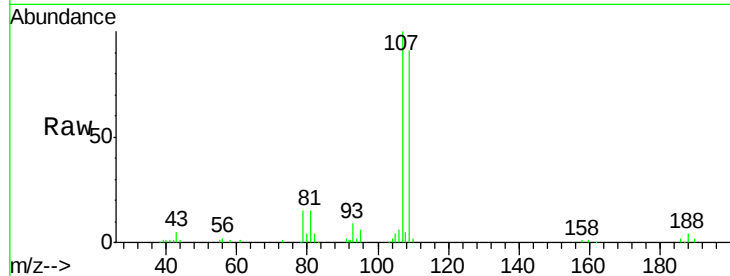
109 93.1 76.1 114.1

Manual Integrations

APPROVED

sam

3/30/2018 4:10:25 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

25000

20000

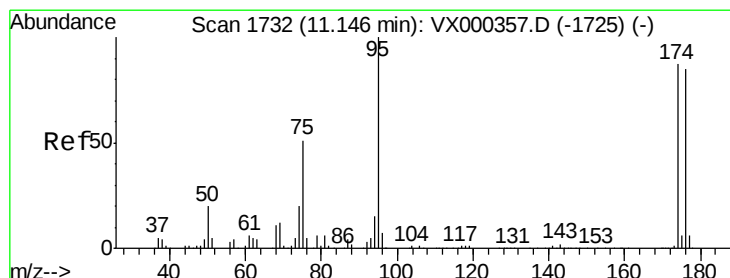
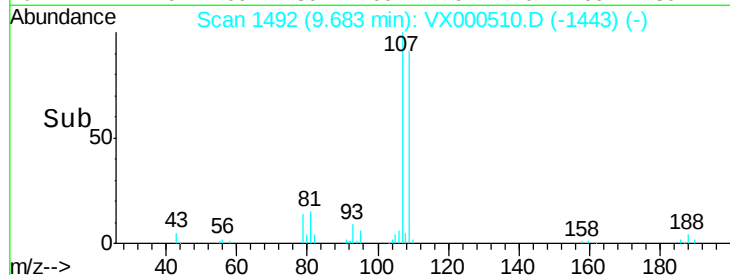
15000

10000

5000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 42.58 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000510.D

Acq: 29 Mar 2018 14:16

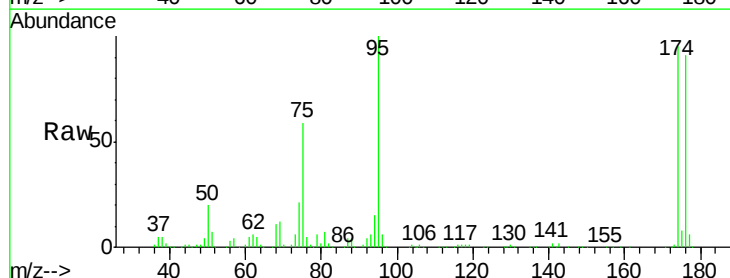
Tgt Ion: 95 Resp: 94789

Ion Ratio Lower Upper

95 100

174 90.5 0.0 173.6

176 88.6 0.0 164.6



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

100000

80000

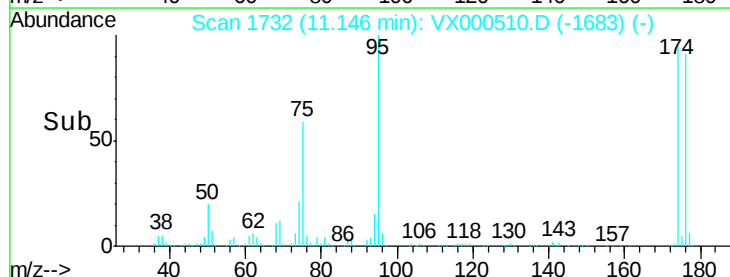
60000

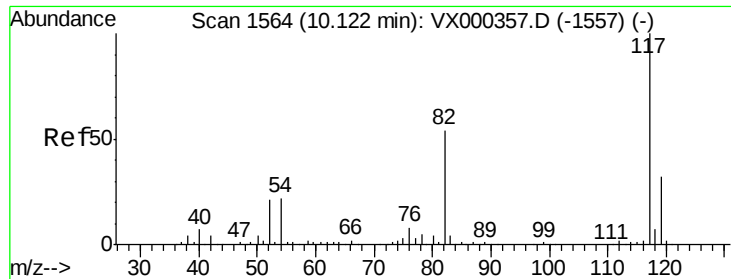
40000

20000

0

Time-->





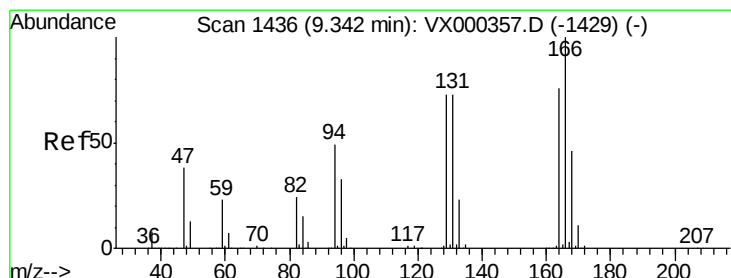
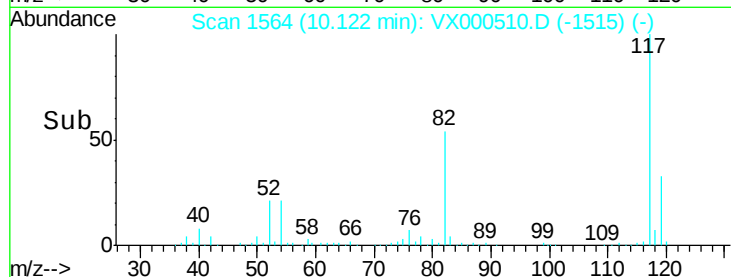
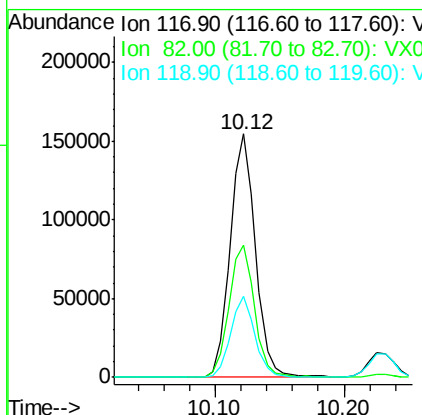
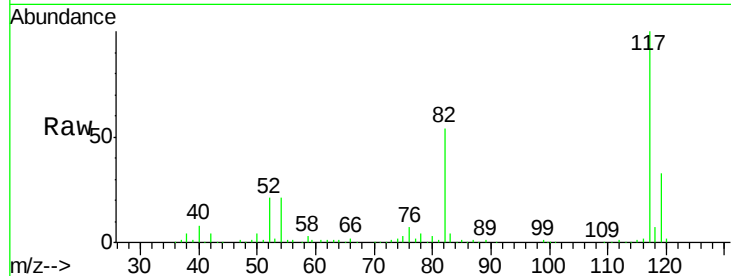
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX000510.D
Acq: 29 Mar 2018 14:16

Instrument :
MSVOA_X
ClientSampleId :
VX0329MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.1	43.8	65.8
119	33.1	24.9	37.3

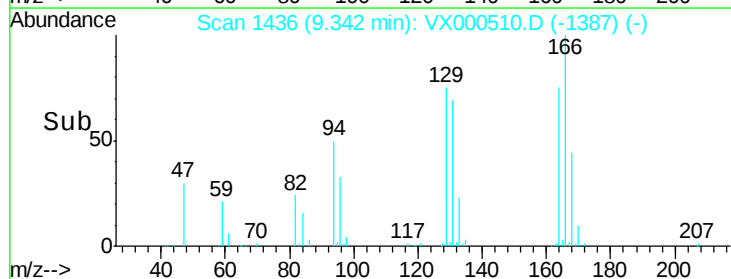
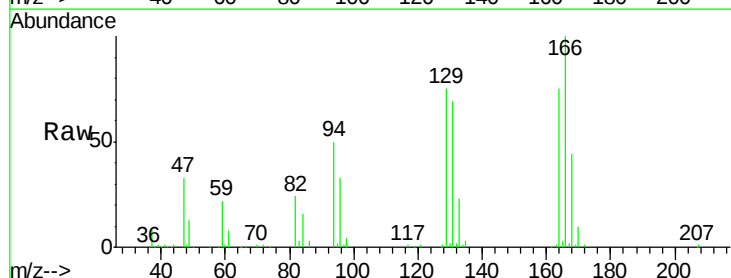
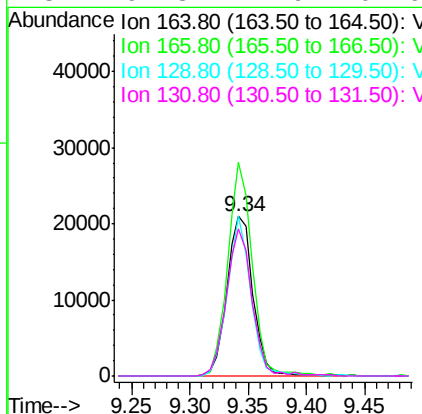
Manual Integrations
APPROVED

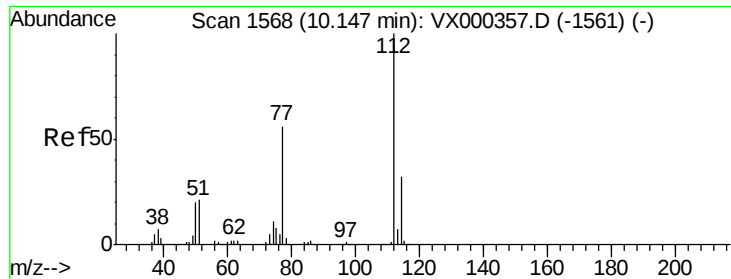
sam
3/30/2018 4:10:25 PM



#64
Tetrachloroethene
Concen: 19.81 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX000510.D
Acq: 29 Mar 2018 14:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.7	101.0	151.6
129	100.2	79.0	118.4
131	92.3	71.9	107.9





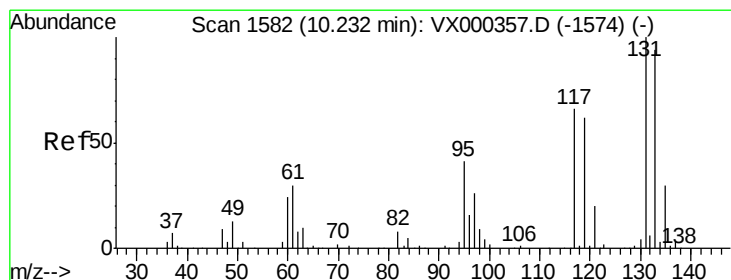
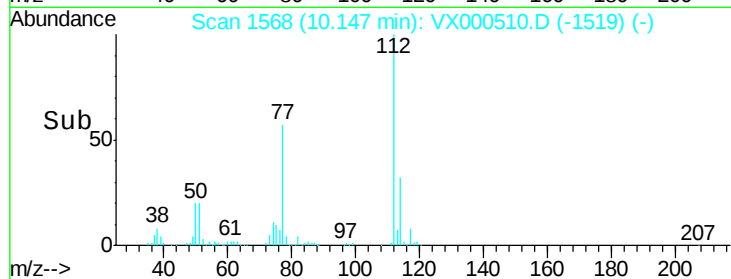
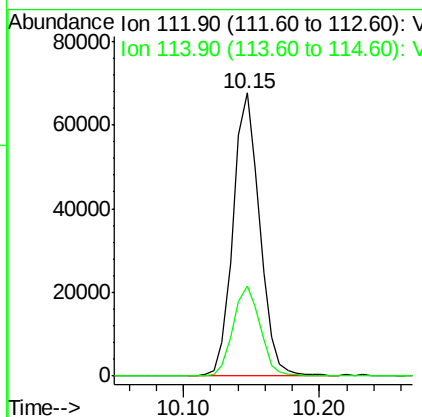
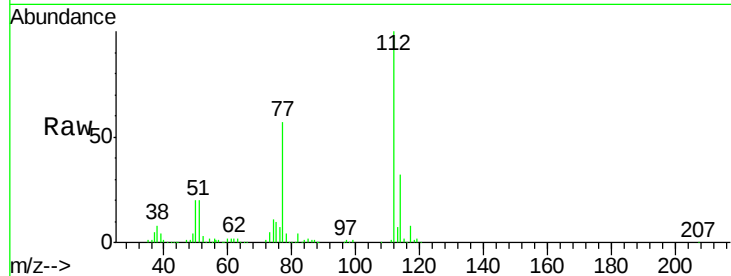
#65
Chlorobenzene
Concen: 19.50 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX000510.D
Acq: 29 Mar 2018 14:16

Instrument :
MSVOA_X
ClientSampleId :
VX0329MBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.7	38.5

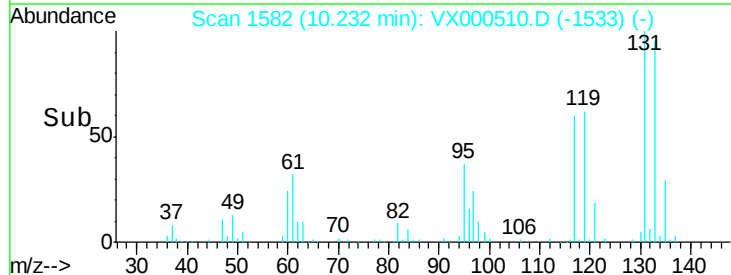
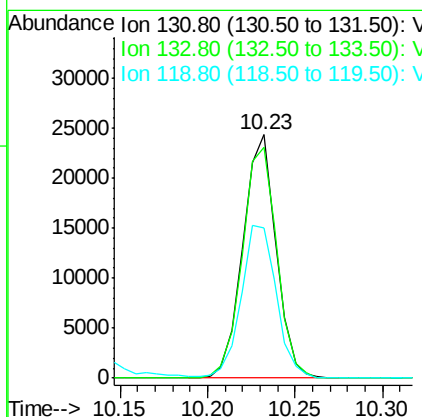
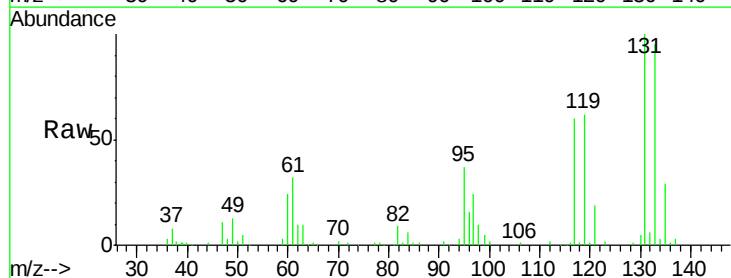
Manual Integrations
APPROVED

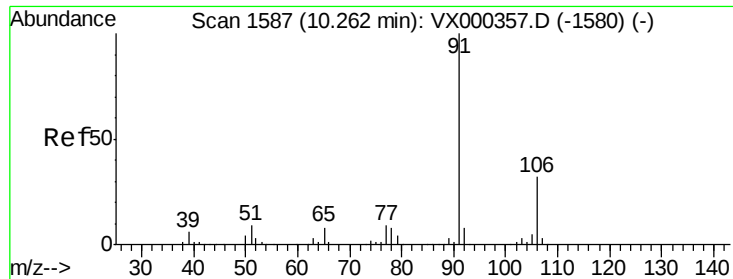
sam
3/30/2018 4:10:25 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.93 ug/l
RT: 10.23 min Scan# 1582
Delta R.T. 0.00 min
Lab File: VX000510.D
Acq: 29 Mar 2018 14:16

Tgt Ion	Ratio	Lower	Upper
131	100		
133	99.0	47.1	141.3
119	66.8	33.1	99.2





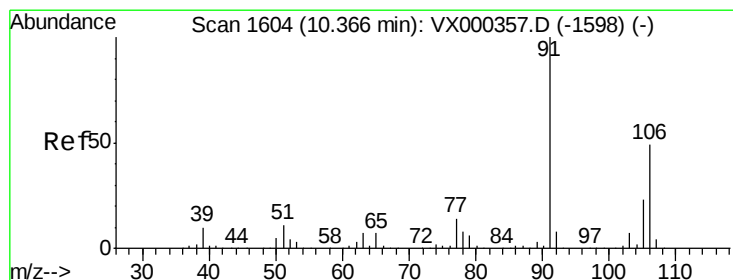
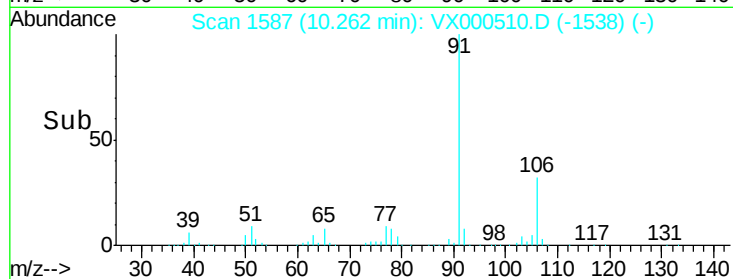
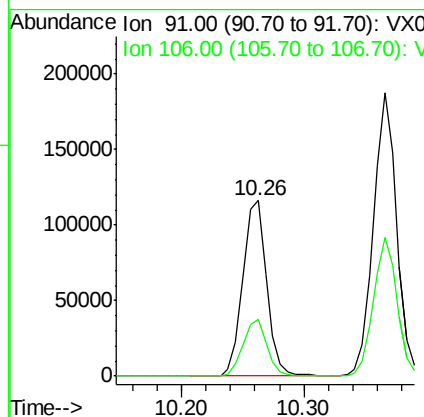
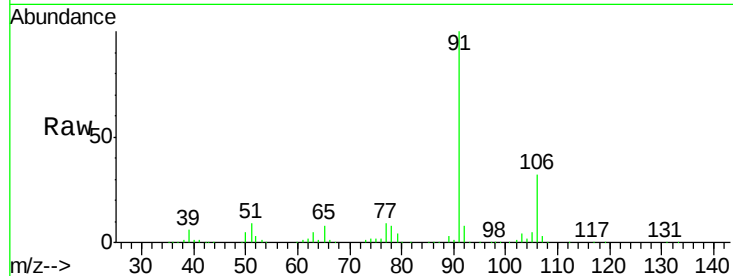
#67
Ethyl Benzene
Concen: 19.63 ug/l
RT: 10.26 min Scan# 1587
Delta R.T. 0.00 min
Lab File: VX000510.D
Acq: 29 Mar 2018 14:16

Instrument :
MSVOA_X
ClientSampleId :
VX0329MBS01

Tot Ion: 91 Resp: 157677
Ion Ratio Lower Upper
91 100
106 32.3 25.0 37.6

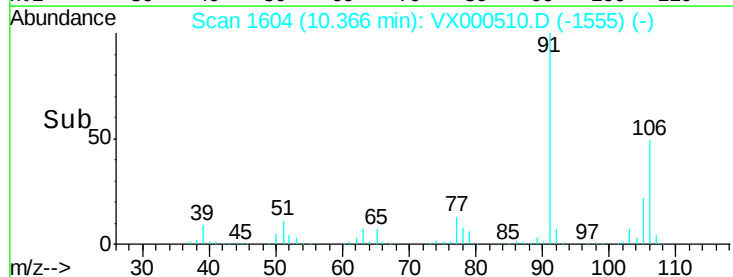
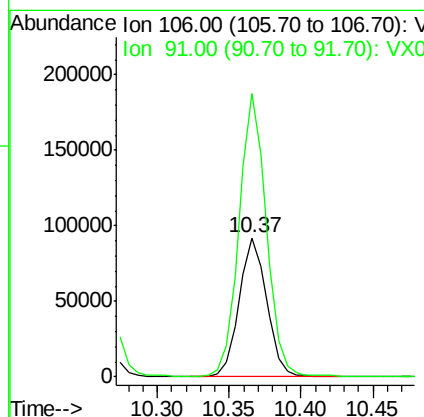
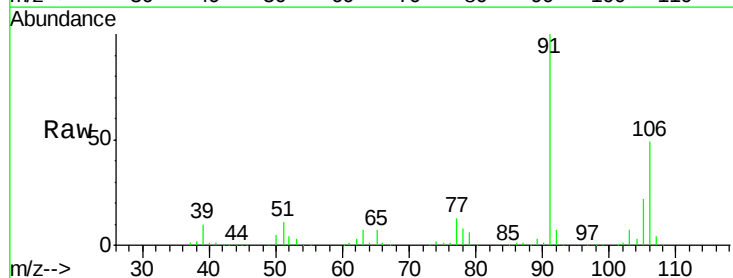
Manual Integrations
APPROVED

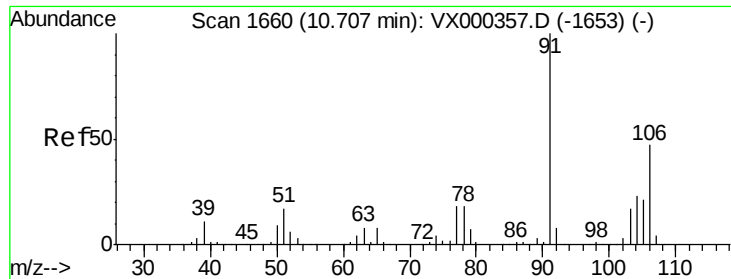
sam
3/30/2018 4:10:25 PM



#68
m/p-Xylenes
Concen: 38.89 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX000510.D
Acq: 29 Mar 2018 14:16

Tgt Ion: 106 Resp: 122920
Ion Ratio Lower Upper
106 100
91 201.6 163.4 245.2





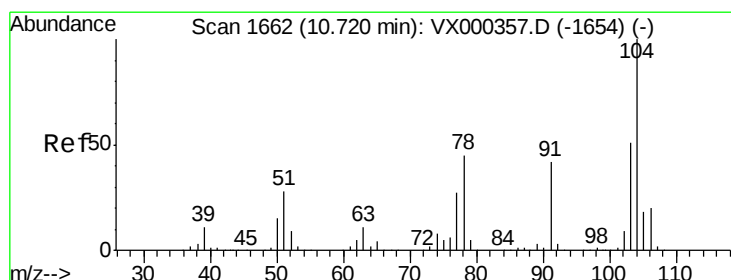
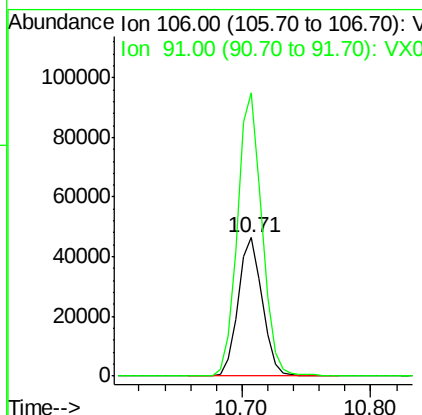
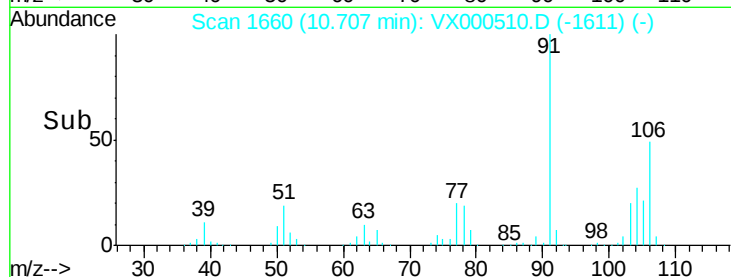
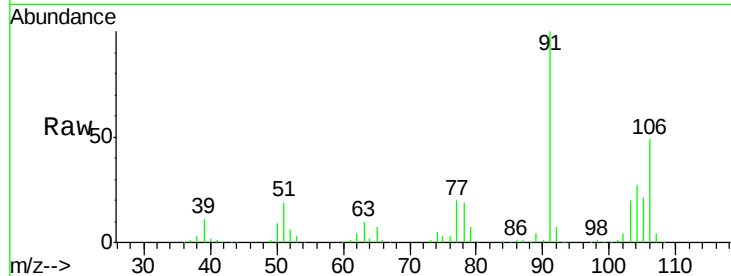
#69
o-Xylene
Concen: 19.77 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX000510.D
Acq: 29 Mar 2018 14:16

Instrument :
MSVOA_X
ClientSampled :
VX0329MBS01

Tot Ion:106 Resp: 60505
Ion Ratio Lower Upper
106 100
91 207.8 106.5 319.6

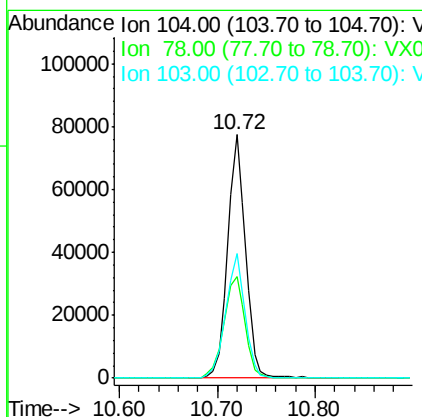
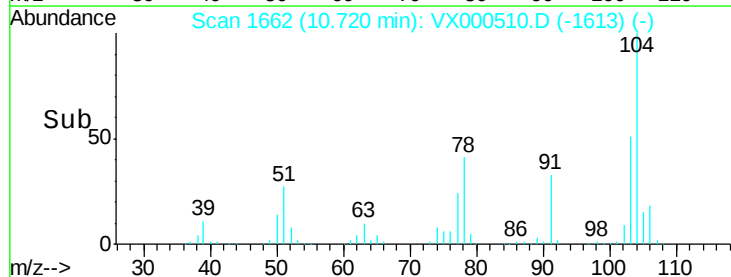
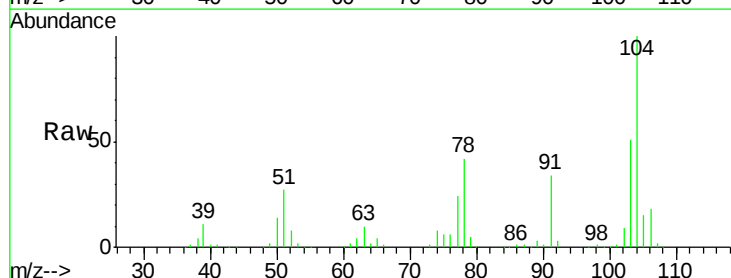
Manual Integrations
APPROVED

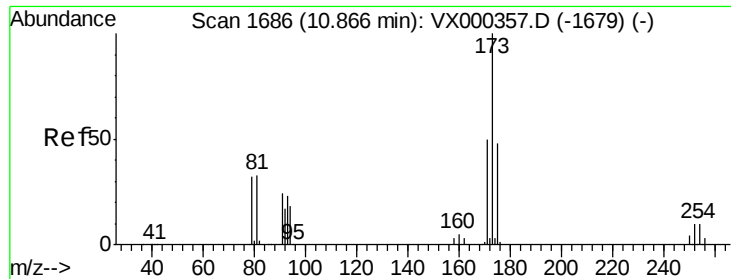
sam
3/30/2018 4:10:25 PM



#70
Styrene
Concen: 19.44 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX000510.D
Acq: 29 Mar 2018 14:16

Tgt Ion:104 Resp: 98453
Ion Ratio Lower Upper
104 100
78 49.5 40.5 60.7
103 55.5 45.7 68.5





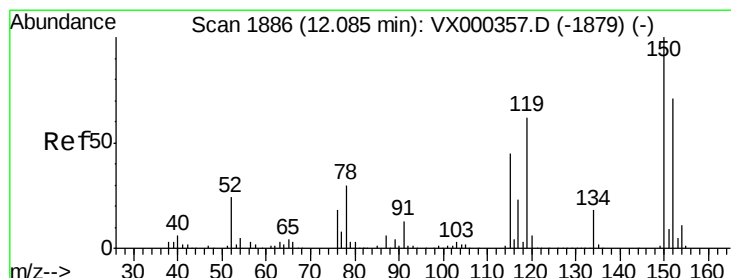
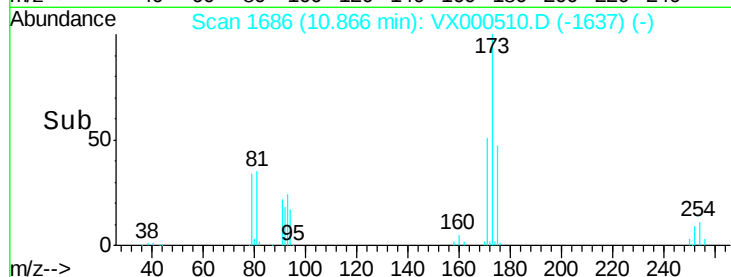
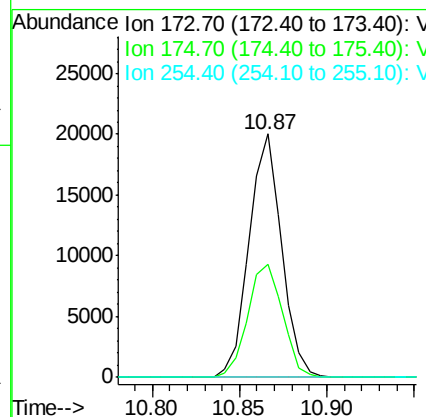
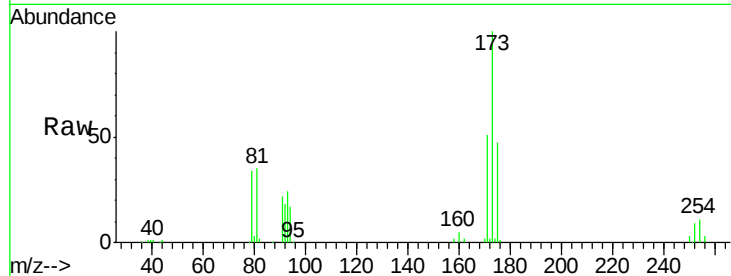
#71
Bromoform
Concen: 18.84 ug/l
RT: 10.87 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VX000510.D
Acq: 29 Mar 2018 14:16

Instrument :
MSVOA_X
ClientSampleId :
VX0329MBS01

Tot Ion:173 Resp: 26074
Ion Ratio Lower Upper
173 100
175 49.7 25.4 76.4
254 0.0 0.0 0.0

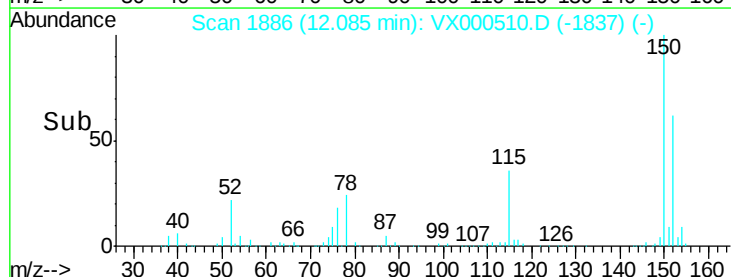
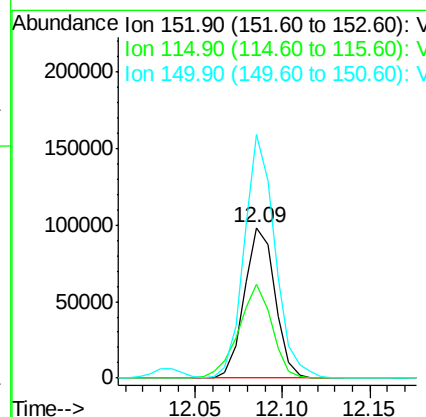
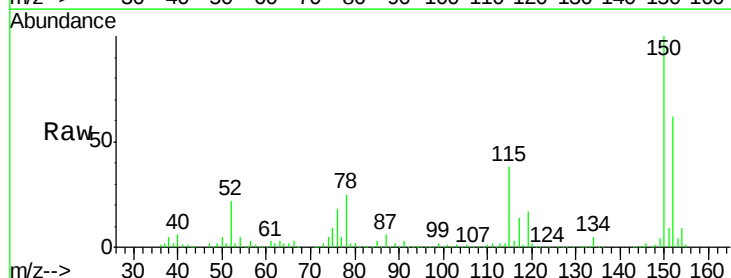
Manual Integrations
APPROVED

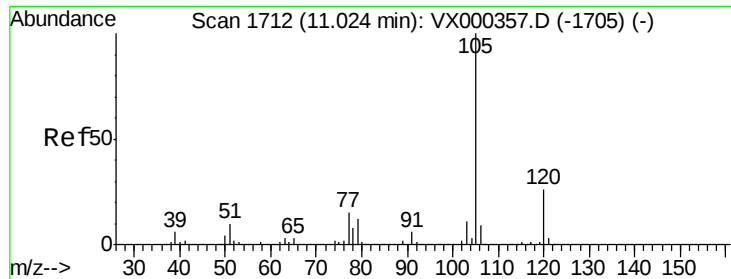
sam
3/30/2018 4:10:25 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX000510.D
Acq: 29 Mar 2018 14:16

Tgt Ion:152 Resp: 119572
Ion Ratio Lower Upper
152 100
115 67.4 39.8 119.3
150 163.0 0.0 344.4





#73

Isopropylbenzene

Concen: 20.22 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX000510.D

Acq: 29 Mar 2018 14:16

Instrument :

MSVOA_X

ClientSampleId :

VX0329MBS01

Tot Ion:105 Resp: 160224

Ion Ratio Lower Upper

105 100

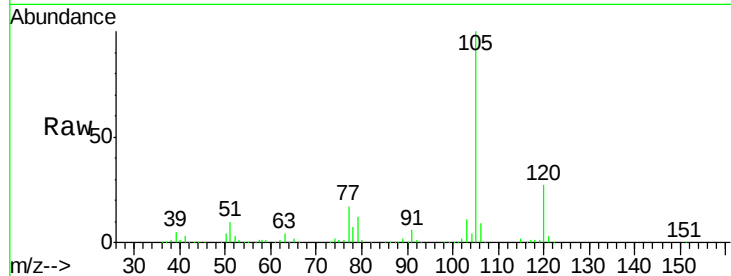
120 26.5 13.6 40.7

Manual Integrations

APPROVED

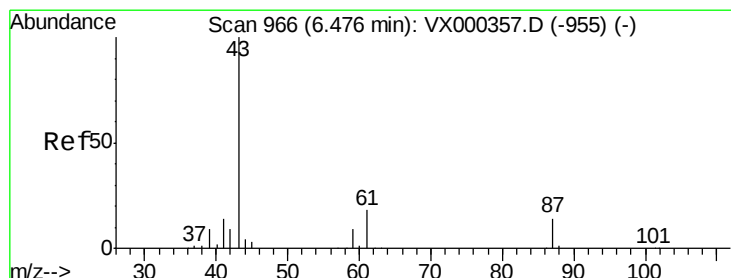
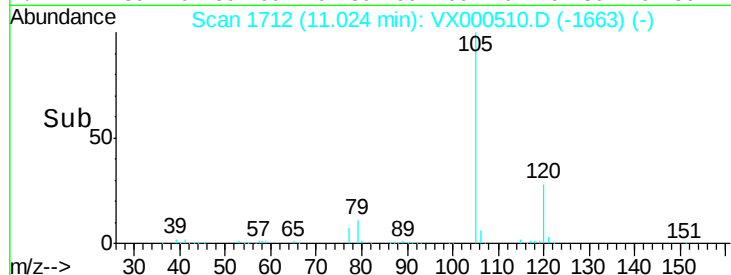
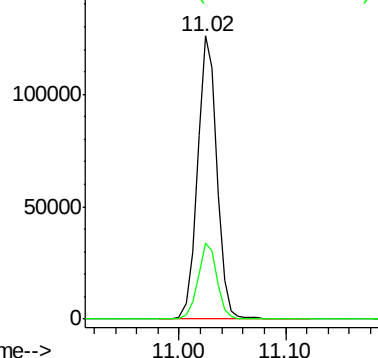
sam

3/30/2018 4:10:25 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.34 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX000510.D

Acq: 29 Mar 2018 14:16

Tgt Ion: 43 Resp: 80210

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

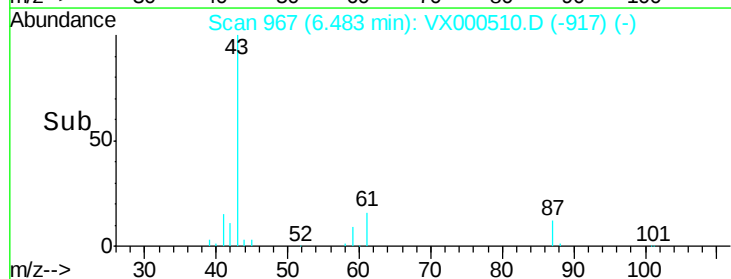
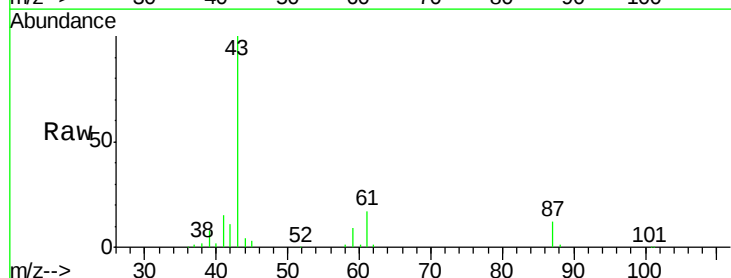
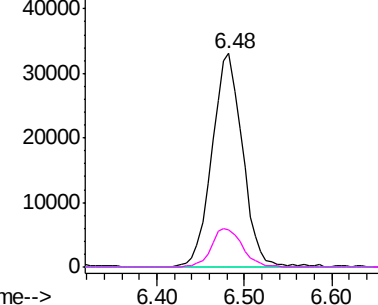
61 18.3 14.4 21.6

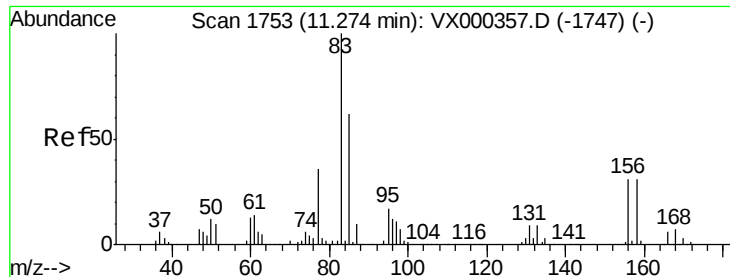
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.33 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX000510.D

Acq: 29 Mar 2018 14:16

Instrument :

MSVOA_X

ClientSampleId :

VX0329MBS01

Tot Ion: 83 Resp: 59757

Ion Ratio Lower Upper

83 100

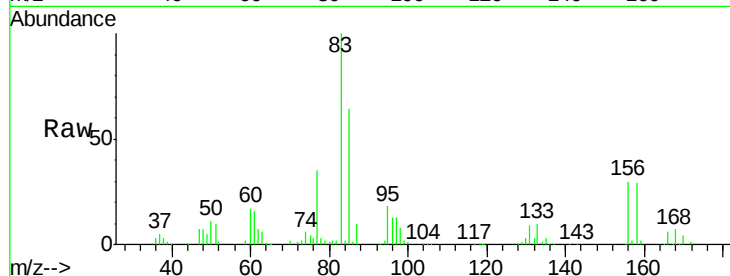
131 10.1 5.0 14.9

85 64.0 32.5 97.5

Manual Integrations
APPROVED

sam

3/30/2018 4:10:25 PM



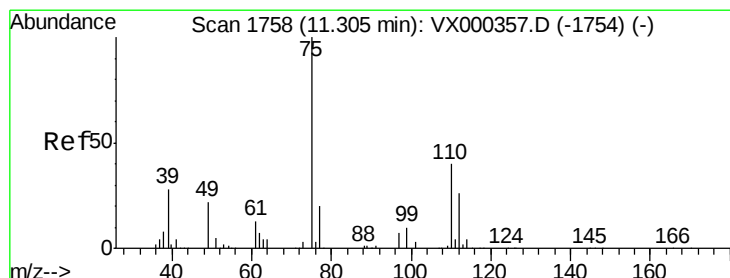
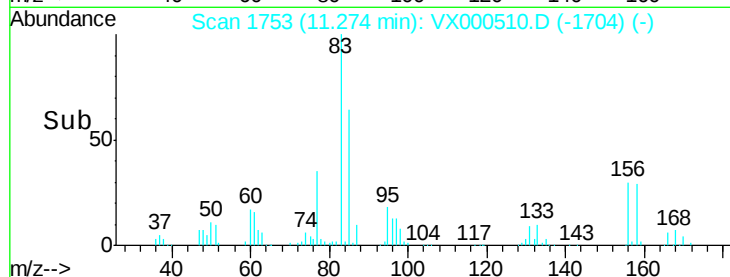
Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0

11.27

Time-->



#76

1,2,3-Trichloropropane

Concen: 21.57 ug/l m

RT: 11.30 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VX000510.D

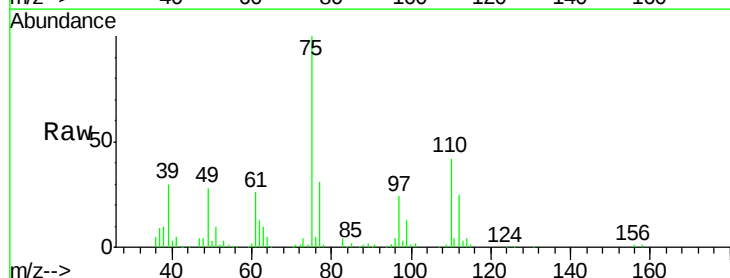
Acq: 29 Mar 2018 14:16

Tgt Ion: 75 Resp: 55424

Ion Ratio Lower Upper

75 100

77 39.4 21.4 64.2

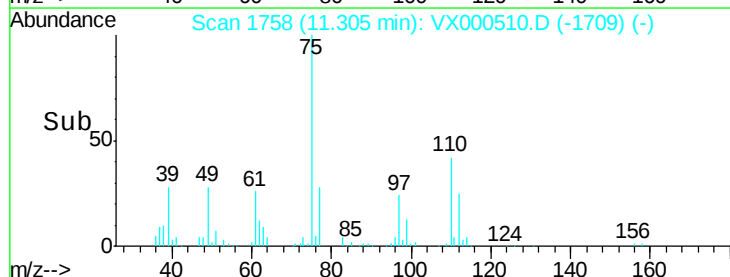


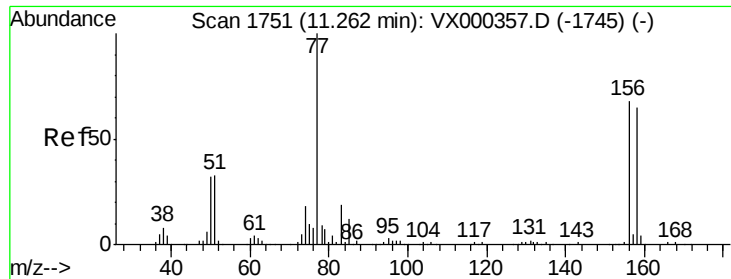
Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.30

Time-->





#77

Bromobenzene

Concen: 19.54 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX000510.D

Acq: 29 Mar 2018 14:16

Instrument :

MSVOA_X

ClientSampleId :

VX0329MBS01

Tot Ion:156 Resp: 41241

Ion Ratio Lower Upper

156 100

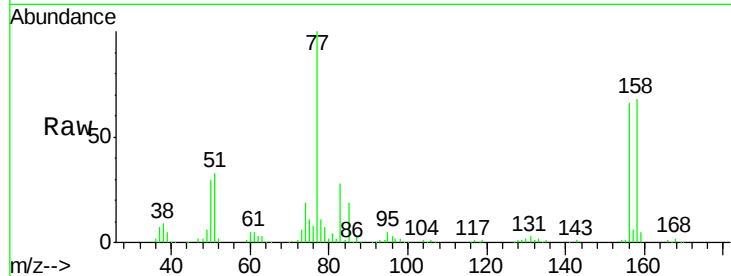
77 150.6 73.4 220.2

158 101.2 48.5 145.6

Manual Integrations
APPROVED

sam

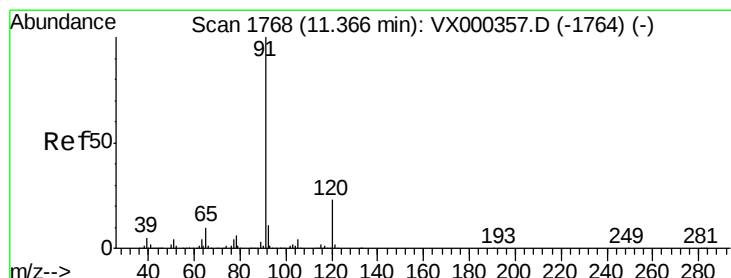
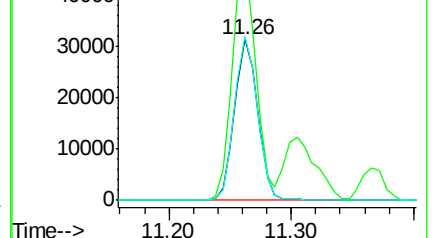
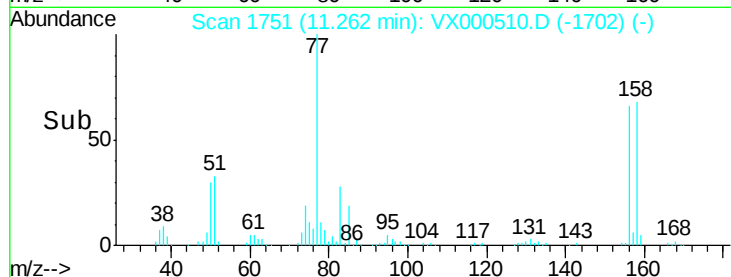
3/30/2018 4:10:25 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.23 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX000510.D

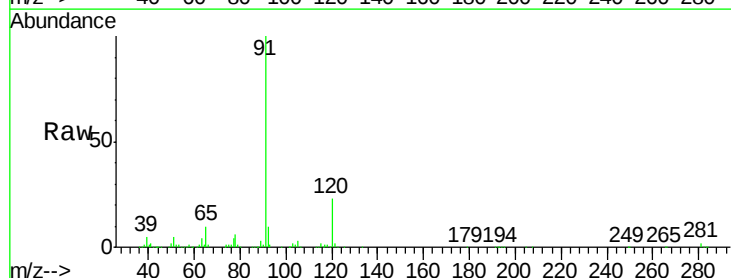
Acq: 29 Mar 2018 14:16

Tgt Ion: 91 Resp: 191097

Ion Ratio Lower Upper

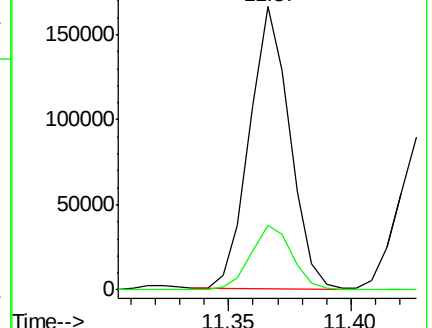
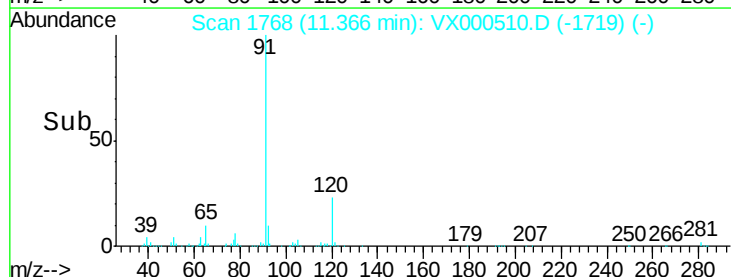
91 100

120 23.6 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.33 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX000510.D

Acq: 29 Mar 2018 14:16

Instrument :

MSVOA_X

ClientSampled :

VX0329MBS01

Tot Ion: 91 Resp: 110944

Ion Ratio Lower Upper

91 100

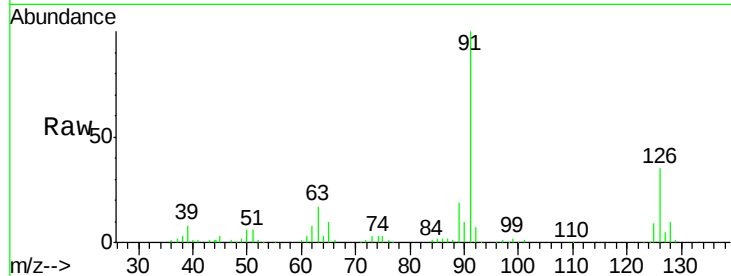
126 35.7 17.7 53.1

Manual Integrations

APPROVED

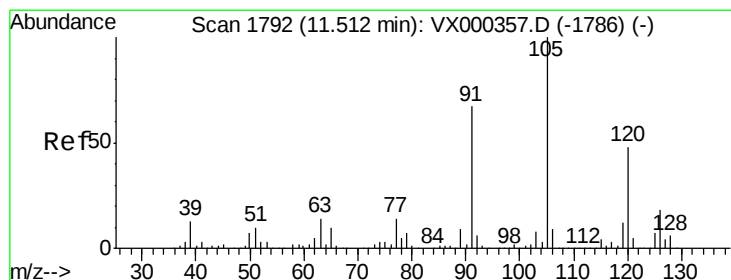
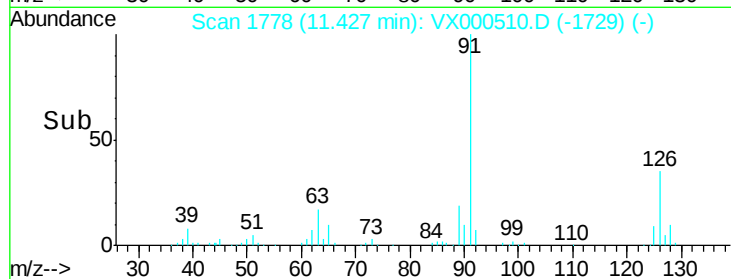
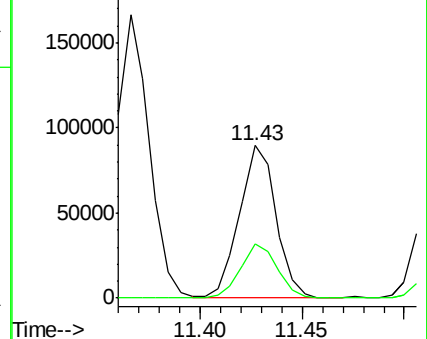
sam

3/30/2018 4:10:25 PM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.35 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX000510.D

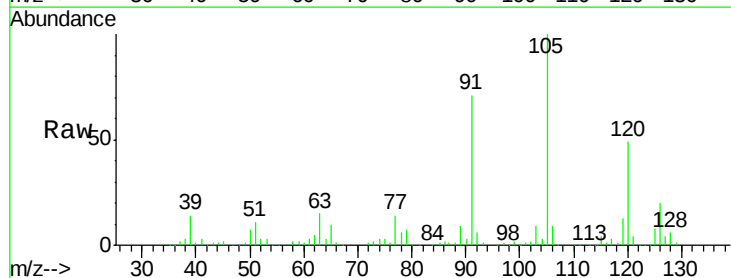
Acq: 29 Mar 2018 14:16

Tgt Ion: 105 Resp: 135578

Ion Ratio Lower Upper

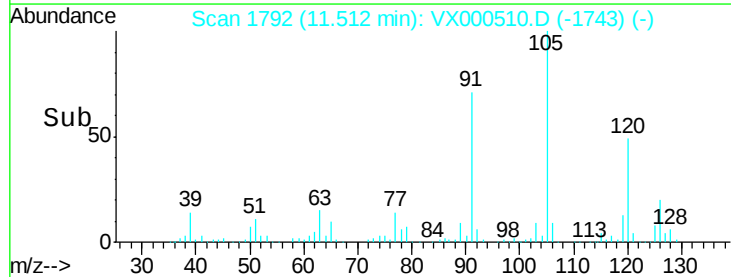
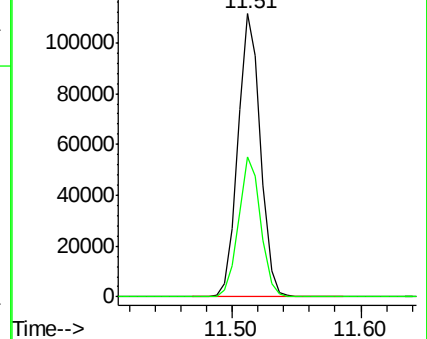
105 100

120 48.7 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





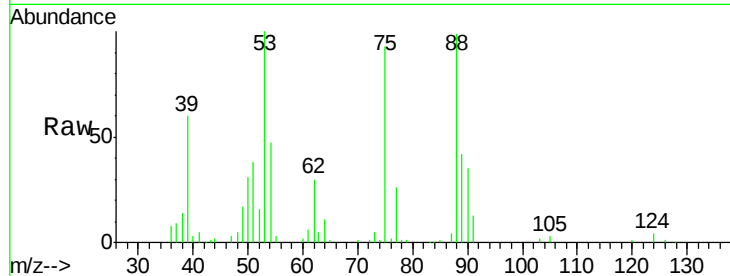
#81
trans-1,4-Dichloro-2-butene
Concen: 19.37 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.01 min
Lab File: VX000510.D
Acq: 29 Mar 2018 14:16

Instrument :
MSVOA_X
ClientSampleId :
VX0329MBS01

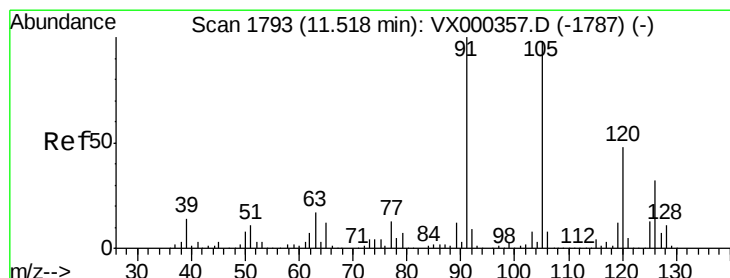
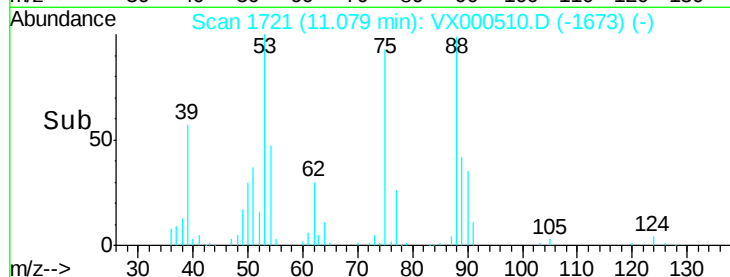
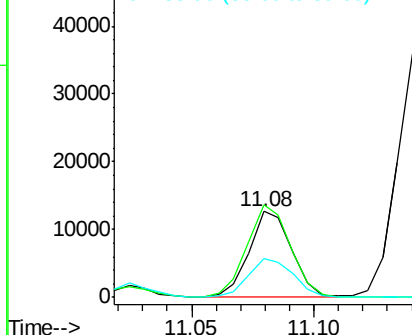
Tot Ion: 75 Resp: 15373
Ion Ratio Lower Upper
75 100
53 110.9 80.7 121.1
89 48.4 39.4 59.0

Manual Integrations
APPROVED

sam
3/30/2018 4:10:25 PM

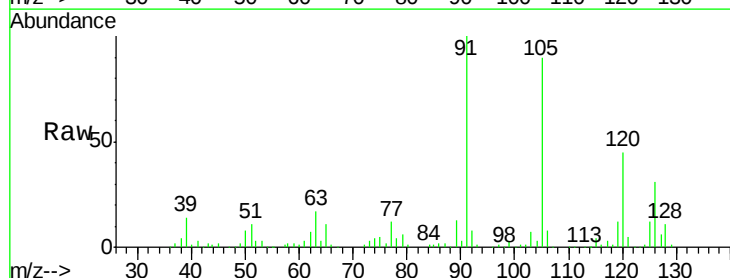


Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0

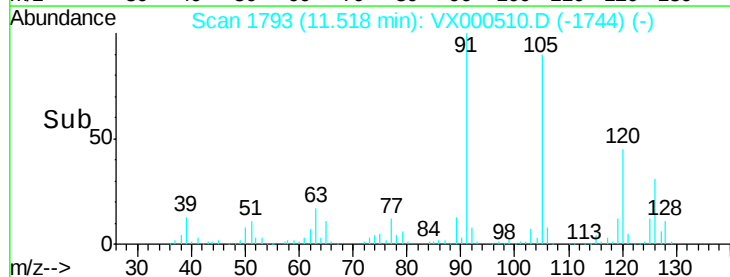
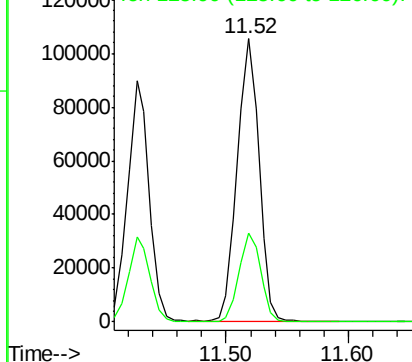


#82
4-Chlorotoluene
Concen: 20.04 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VX000510.D
Acq: 29 Mar 2018 14:16

Tgt Ion: 91 Resp: 130597
Ion Ratio Lower Upper
91 100
126 31.4 15.4 46.1



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 20.14 ug/l

RT: 11.78 min Scan# 1836

Delta R.T. 0.00 min

Lab File: VX000510.D

Acq: 29 Mar 2018 14:16

Instrument :

MSVOA_X

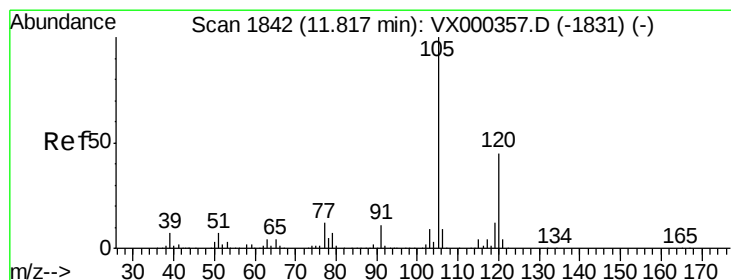
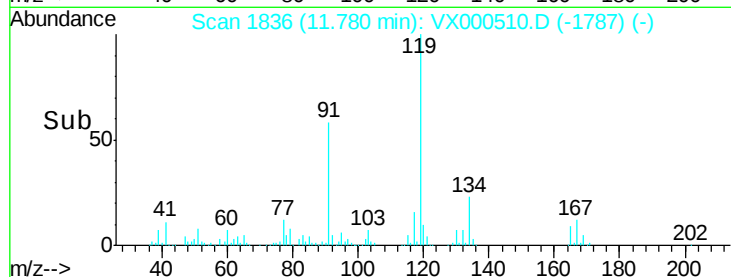
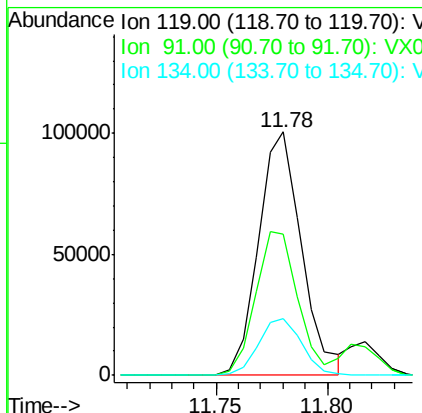
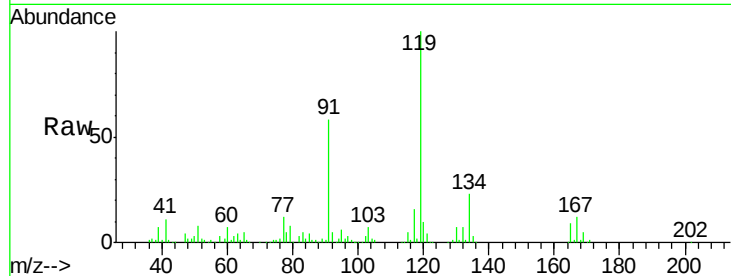
ClientSampleId :

VX0329MBS01

Tot Ion:	119	Resp:	135292
Ion Ratio	Lower	Upper	
119	100		
91	57.9	28.8	86.4
134	23.4	11.4	34.1

Manual Integrations
APPROVED

sam
3/30/2018 4:10:25 PM



#84

1,2,4-Trimethylbenzene

Concen: 20.18 ug/l

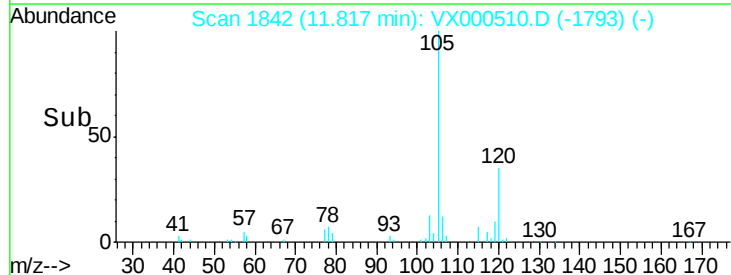
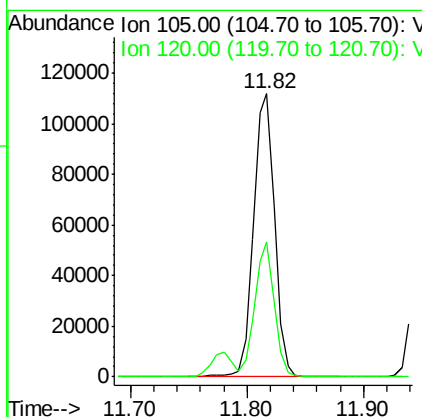
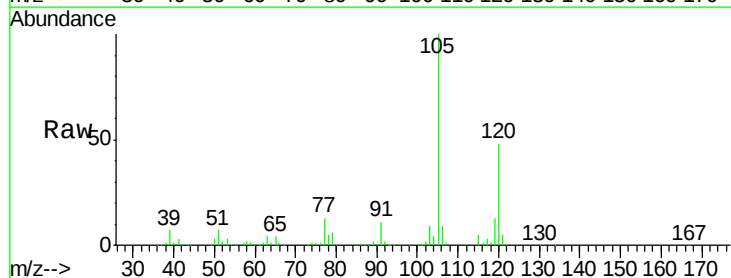
RT: 11.82 min Scan# 1842

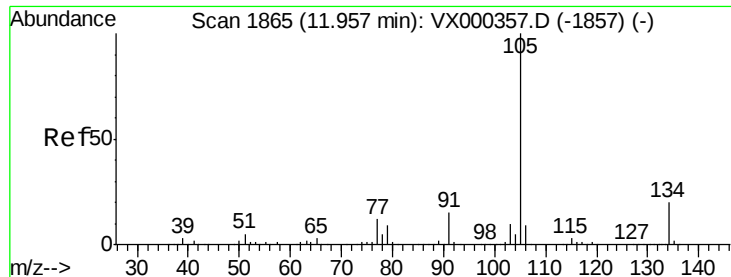
Delta R.T. 0.00 min

Lab File: VX000510.D

Acq: 29 Mar 2018 14:16

Tgt Ion:	105	Resp:	140929
Ion Ratio	Lower	Upper	
105	100		
120	44.2	22.4	67.3





#85

sec-Butylbenzene

Concen: 20.15 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.01 min

Lab File: VX000510.D

Acq: 29 Mar 2018 14:16

Instrument :

MSVOA_X

ClientSampleId :

VX0329MBS01

Tot Ion:105 Resp: 167523

Ion Ratio Lower Upper

105 100

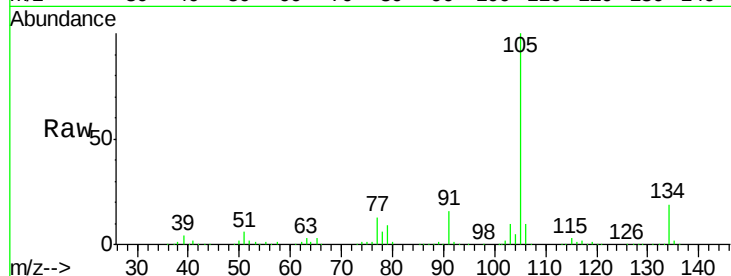
134 20.8 10.3 30.8

Manual Integrations

APPROVED

sam

3/30/2018 4:10:25 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.95

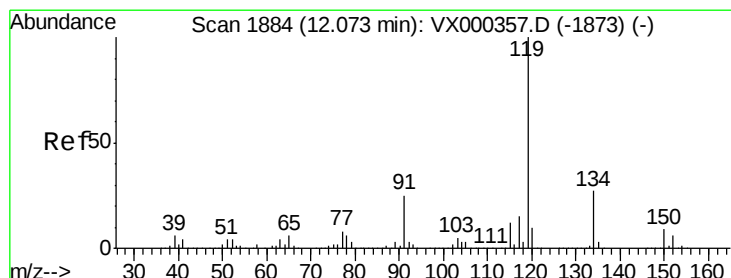
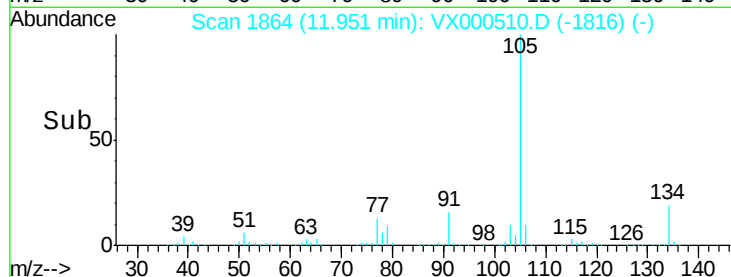
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.01 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VX000510.D

Acq: 29 Mar 2018 14:16

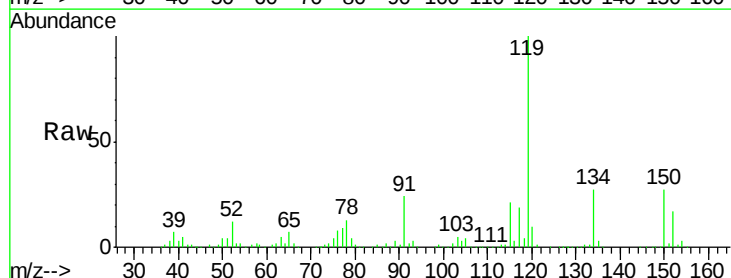
Tgt Ion:119 Resp: 147722

Ion Ratio Lower Upper

119 100

134 27.1 13.3 39.9

91 24.3 12.0 36.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.07

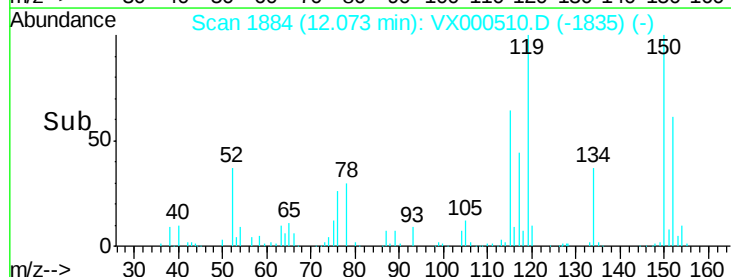
150000

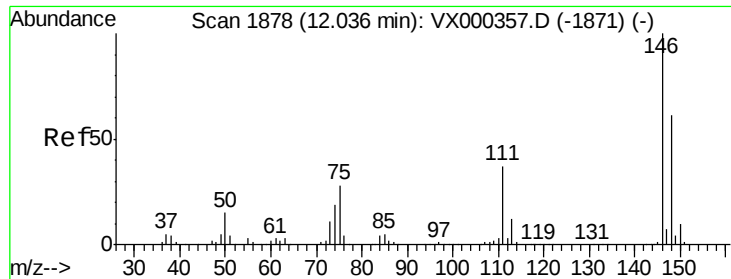
100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 20.17 ug/l

RT: 12.04 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VX000510.D

Acq: 29 Mar 2018 14:16

Instrument :

MSVOA_X

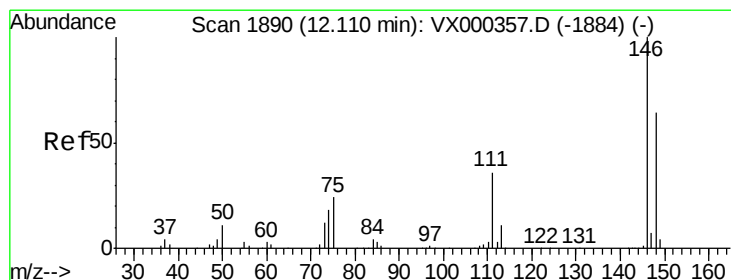
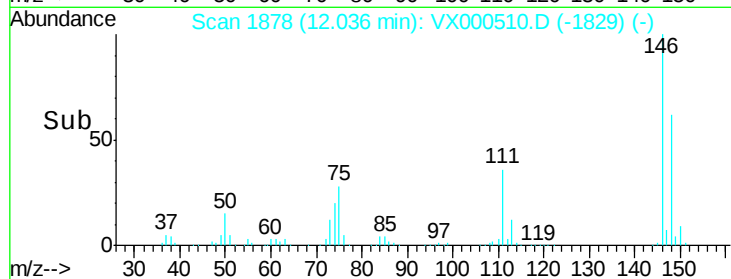
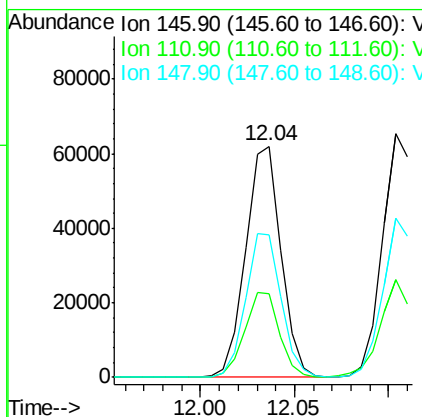
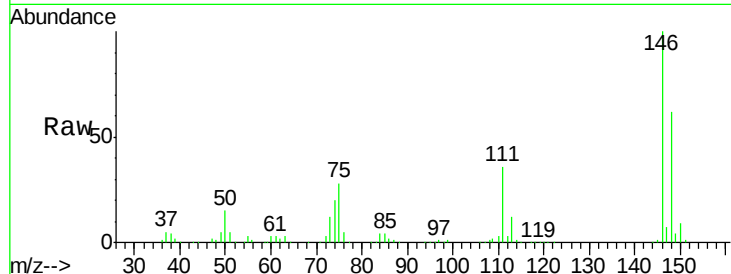
ClientSampleId :

VX0329MBS01

Tot Ion:	146	Resp:	80501
Ion Ratio	Lower	Upper	
146	100		
111	36.3	19.5	58.5
148	62.5	32.4	97.0

Manual Integrations
APPROVED

sam
3/30/2018 4:10:25 PM



#88

1,4-Dichlorobenzene

Concen: 19.35 ug/l

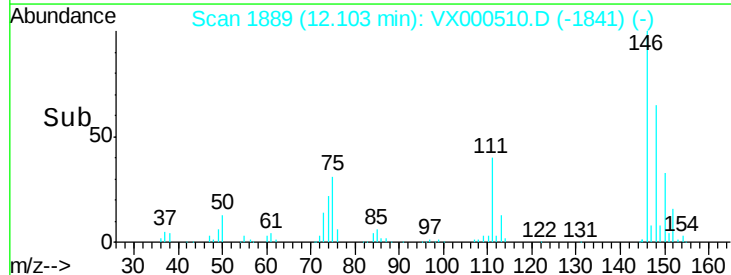
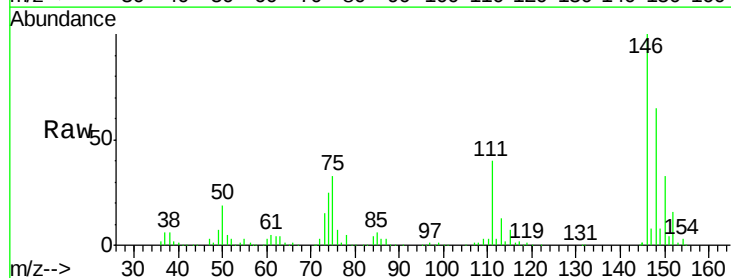
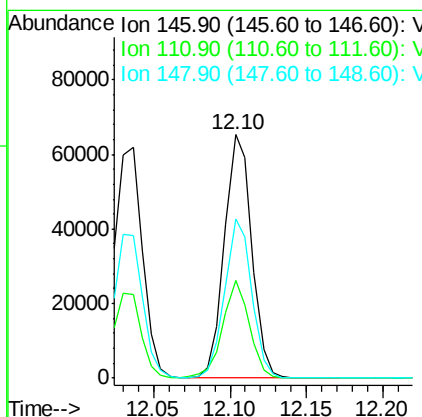
RT: 12.10 min Scan# 1889

Delta R.T. -0.01 min

Lab File: VX000510.D

Acq: 29 Mar 2018 14:16

Tgt Ion:	146	Resp:	81086
Ion Ratio	Lower	Upper	
146	100		
111	39.3	18.9	56.9
148	64.7	31.0	93.0





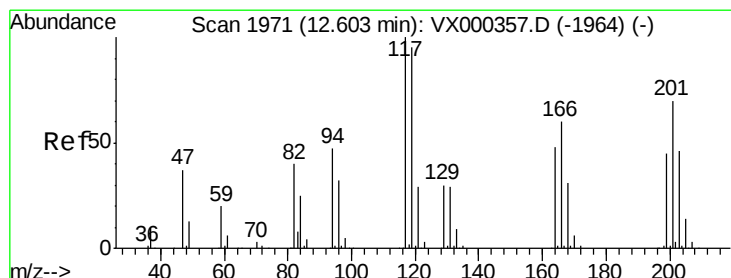
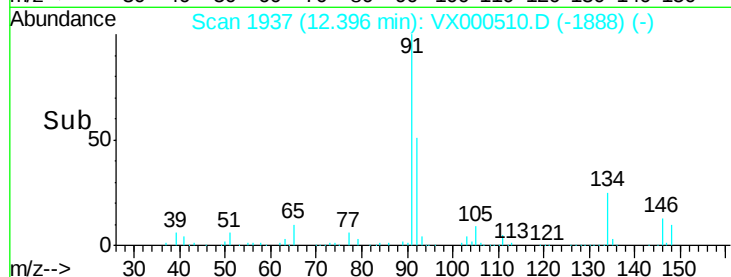
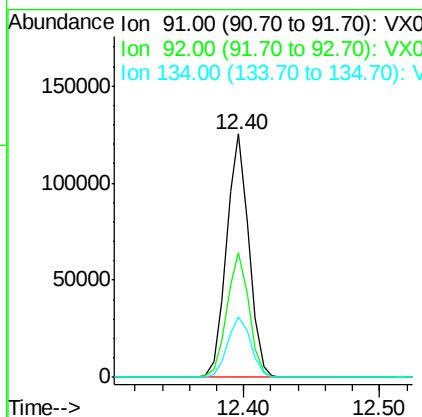
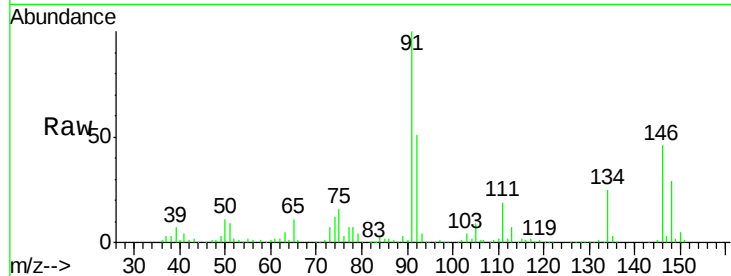
#89
n-Butylbenzene
Concen: 20.59 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX000510.D
Acq: 29 Mar 2018 14:16

Instrument :
MSVOA_X
ClientSampleId :
VX0329MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.9	25.9	77.8
134	25.7	13.1	39.3

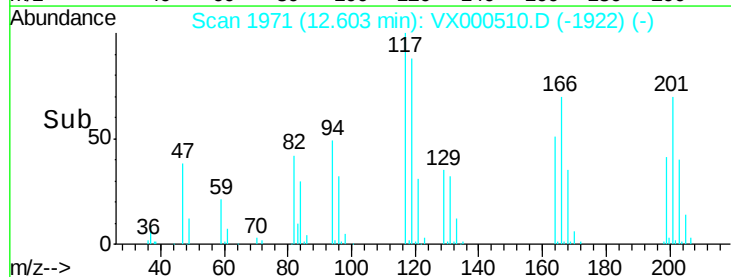
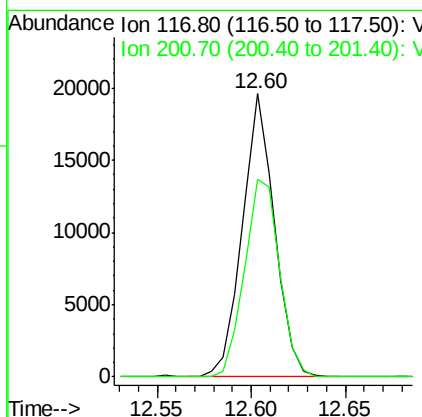
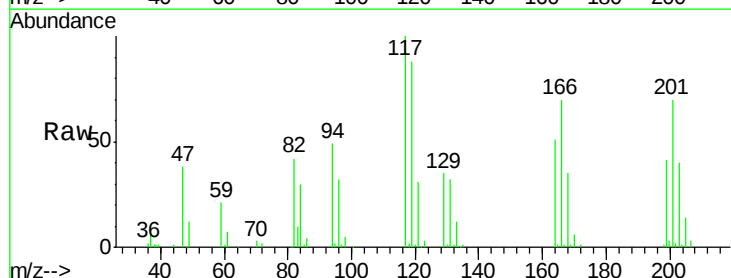
Manual Integrations
APPROVED

sam
3/30/2018 4:10:25 PM



#90
Hexachloroethane
Concen: 19.93 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX000510.D
Acq: 29 Mar 2018 14:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.8	37.9	113.6





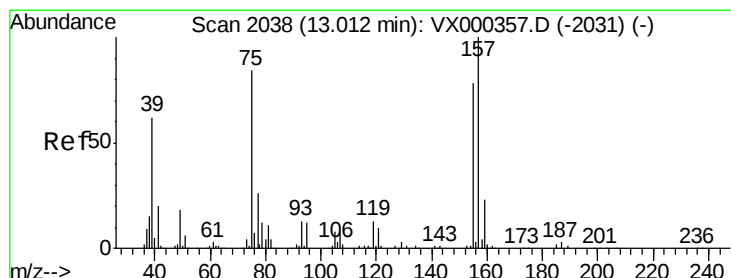
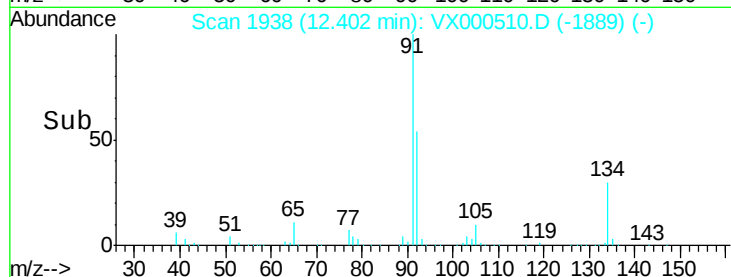
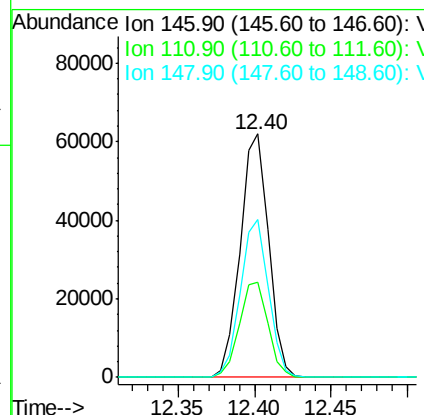
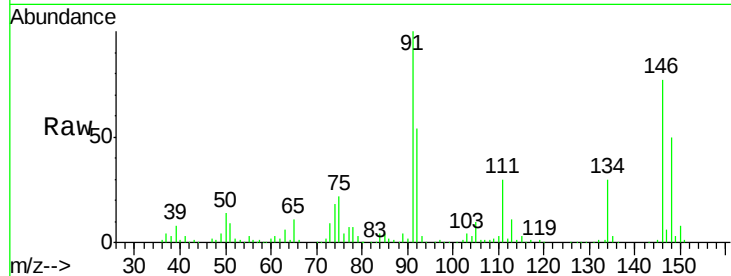
#91
 1,2-Dichlorobenzene
 Concen: 20.35 ug/l
 RT: 12.40 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VX000510.D
 Acq: 29 Mar 2018 14:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0329MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.1	60.2
148	64.1	31.2	93.6

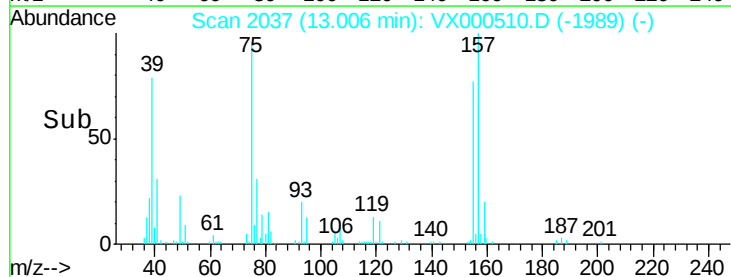
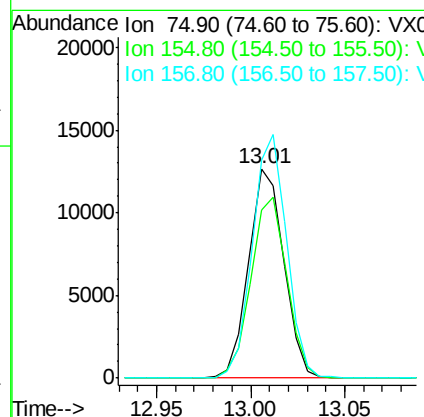
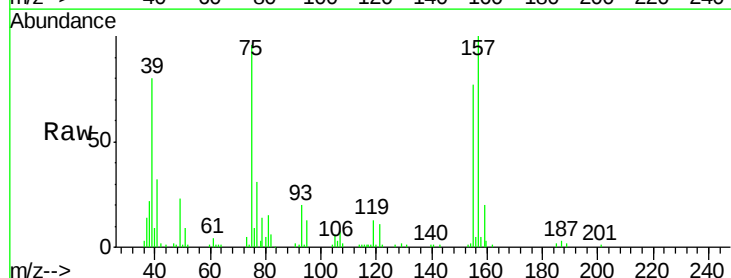
Manual Integrations
 APPROVED

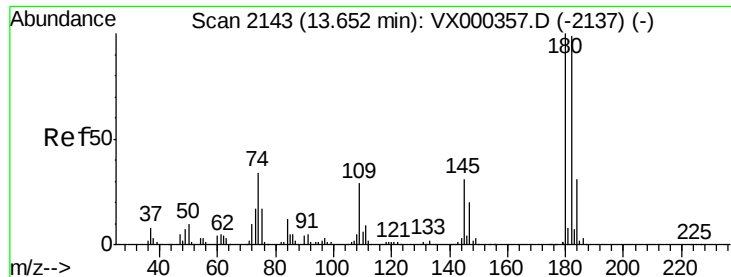
sam
 3/30/2018 4:10:25 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.02 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.01 min
 Lab File: VX000510.D
 Acq: 29 Mar 2018 14:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.2	45.0	134.8
157	112.7	58.1	174.2





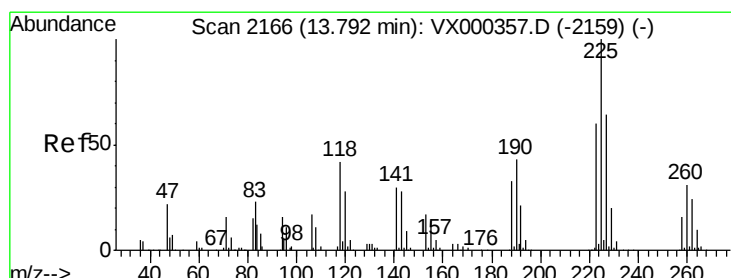
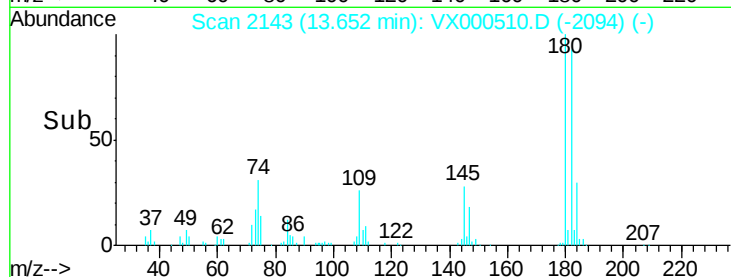
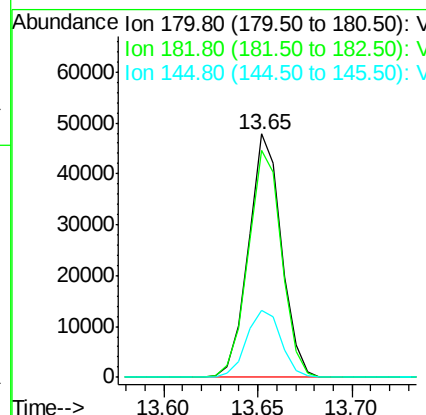
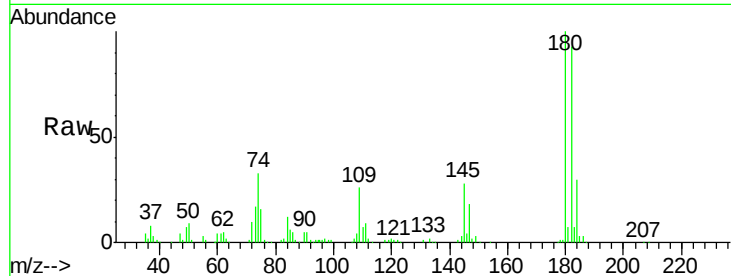
#93
 1,2,4-Trichlorobenzene
 Concen: 20.58 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX000510.D
 Acq: 29 Mar 2018 14:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0329MBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.6	142.9
145	29.1	15.1	45.3

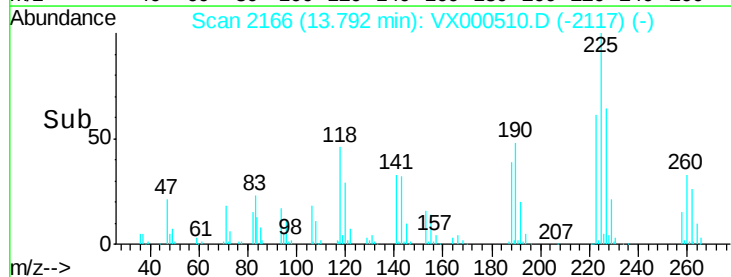
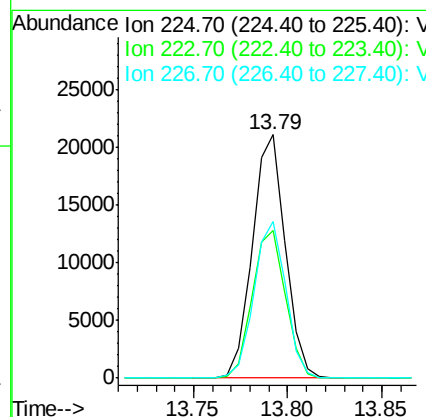
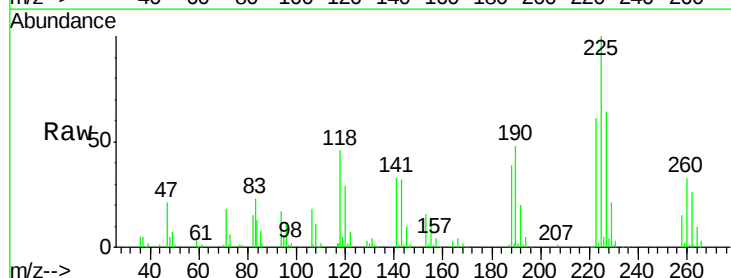
Manual Integrations
 APPROVED

sam
 3/30/2018 4:10:25 PM



#94
 Hexachlorobutadiene
 Concen: 21.93 ug/l
 RT: 13.79 min Scan# 2166
 Delta R.T. 0.00 min
 Lab File: VX000510.D
 Acq: 29 Mar 2018 14:16

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.3	32.0	96.0
227	62.1	32.6	98.0





#95

Naphthalene

Concen: 21.10 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX000510.D

Acq: 29 Mar 2018 14:16

Instrument :

MSVOA_X

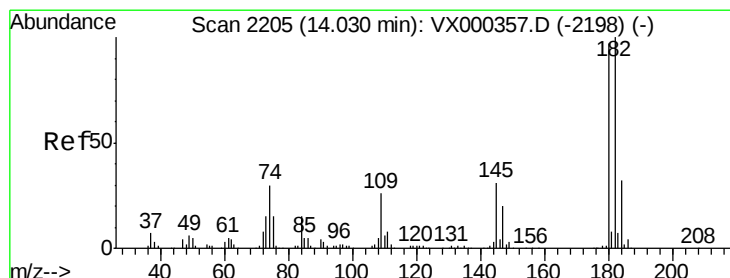
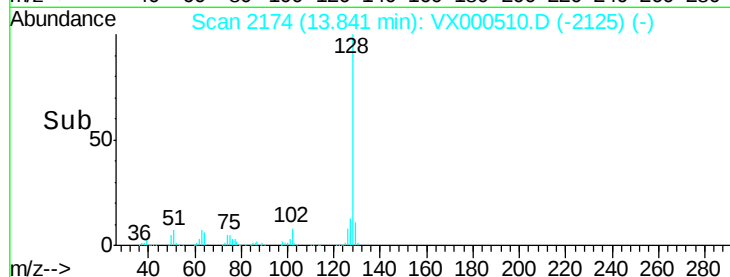
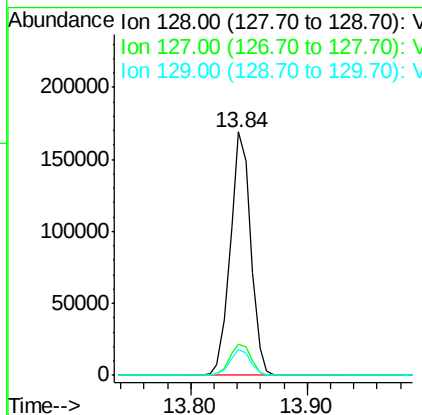
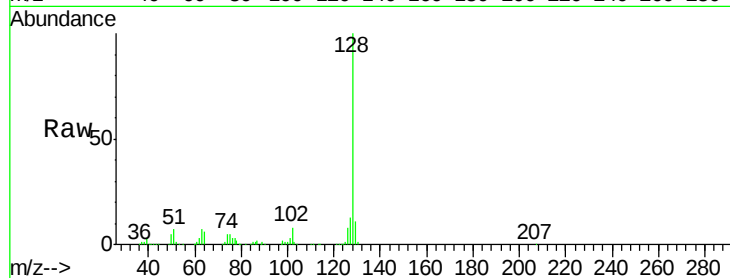
ClientSampleId :

VX0329MBS01

Tot Ion:	128	Resp:	206163
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.6	15.8
129	10.8	8.9	13.3

Manual Integrations
APPROVED

sam
3/30/2018 4:10:25 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.93 ug/l

RT: 14.03 min Scan# 2205

Delta R.T. 0.00 min

Lab File: VX000510.D

Acq: 29 Mar 2018 14:16

Tgt Ion:	180	Resp:	58012
Ion Ratio	Lower	Upper	
180	100		
182	95.8	47.4	142.3
145	32.1	15.8	47.3

