

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070518\
 Data File : VX003165.D
 Acq On : 05 Jul 2018 11:04
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

sam
 7/6/2018 4:20:10 PM

Quant Time: Jul 05 17:35:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	271092	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	360310	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	345206	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	224300	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	165971	44.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.58%	
35) Dibromofluoromethane	5.51	113	142398	49.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.82%	
50) Toluene-d8	8.72	98	504835	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.90%	
62) 4-Bromofluorobenzene	11.14	95	200005	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	130898	54.11	ug/l	98
3) Chloromethane	1.32	50	138048	55.05	ug/l	97
4) Vinyl Chloride	1.41	62	151196	49.32	ug/l	99
5) Bromomethane	1.64	94	72774	50.90	ug/l	99
6) Chloroethane	1.72	64	96834	54.01	ug/l	100
7) Trichlorofluoromethane	1.93	101	239012	46.22	ug/l	98
8) Diethyl Ether	2.19	74	88676	47.17	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.38	101	144377	48.18	ug/l	96
10) Methyl Iodide	2.51	142	149457	49.28	ug/l	97
11) Tert butyl alcohol	3.08	59	161286	216.07	ug/l	100
12) 1,1-Dichloroethene	2.37	96	127486	47.68	ug/l	93
13) Acrolein	2.30	56	109354	264.01	ug/l	100
14) Allyl chloride	2.73	41	247968	47.05	ug/l	95
15) Acrylonitrile	3.15	53	366708	230.00	ug/l	99
16) Acetone	2.45	43	318868	205.49	ug/l	95
17) Carbon Disulfide	2.57	76	345990	48.57	ug/l	99
18) Methyl Acetate	2.78	43	176837	40.76	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	444828	46.28	ug/l	99
20) Methylene Chloride	2.86	84	142197	47.09	ug/l	92
21) trans-1,2-Dichloroethene	3.17	96	138351	47.51	ug/l	94
22) Diisopropyl ether	3.87	45	467123	46.37	ug/l	95
23) Vinyl Acetate	3.83	43	2039001	239.03	ug/l	99
24) 1,1-Dichloroethane	3.70	63	252600	46.13	ug/l	100
25) 2-Butanone	4.71	43	539982	234.47	ug/l	95
26) 1,2-Dichloropropane	4.59	77	227681	51.14	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	159752	48.93	ug/l	94
28) Bromochloromethane	5.02	49	123386	47.08	ug/l	90
29) Tetrahydrofuran	5.17	42	349602	236.73	ug/l	96
30) Chloroform	5.21	83	274612	48.87	ug/l	99
31) Cyclohexane	5.57	56	235757	50.17	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	243994	49.35	ug/l	98
36) 1,1-Dichloropropene	5.80	75	201955	51.11	ug/l	99
37) Ethyl Acetate	4.87	43	213390	50.16	ug/l	99
38) Carbon Tetrachloride	5.78	117	222445	51.30	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX070518\
 Data File : VX003165.D
 Acq On : 05 Jul 2018 11:04
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

sam
 7/6/2018 4:20:10 PM

Quant Time: Jul 05 17:35:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	254172	55.23	ug/l	97
40) Benzene	6.15	78	590100	51.40	ug/l	100
41) Methacrylonitrile	5.07	41	120495	49.19	ug/l	97
42) 1,2-Dichloroethane	6.20	62	219094	47.24	ug/l	98
43) Isopropyl Acetate	6.47	43	348933	48.90	ug/l	98
44) Trichloroethene	7.21	130	178100	52.03	ug/l	100
45) 1,2-Dichloropropane	7.52	63	152864	50.20	ug/l	97
46) Dibromomethane	7.67	93	103896	49.16	ug/l	93
47) Bromodichloromethane	7.90	83	203574	52.10	ug/l	99
48) Methyl methacrylate	7.78	41	179606	48.85	ug/l	94
49) 1,4-Dioxane	7.76	88	74484	1041.34	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	1112015	249.10	ug/l	97
52) Toluene	8.79	92	386700	52.58	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	242525	54.81	ug/l	100
54) cis-1,3-Dichloropropene	9.04	75	227581	53.45	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	155888	51.58	ug/l	97
56) Ethyl methacrylate	9.18	69	233044	52.76	ug/l	93
57) 1,3-Dichloropropane	9.37	76	251699	50.71	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	545334	255.92	ug/l	96
59) 2-Hexanone	9.50	43	852019	251.13	ug/l	96
60) Dibromochloromethane	9.59	129	171776	53.99	ug/l	100
61) 1,2-Dibromoethane	9.68	107	165330	52.15	ug/l	99
64) Tetrachloroethene	9.34	164	201509	52.50	ug/l	97
65) Chlorobenzene	10.14	112	451070	51.44	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	169856	53.33	ug/l	99
67) Ethyl Benzene	10.26	91	766505	52.92	ug/l	100
68) m/p-Xylenes	10.36	106	601058	107.67	ug/l	98
69) o-Xylene	10.70	106	289630	53.28	ug/l	97
70) Styrene	10.71	104	487544	55.20	ug/l	98
71) Bromoform	10.86	173	144466	50.18	ug/l	100
73) Isopropylbenzene	11.02	105	807745	53.53	ug/l	100
74) N-amyl acetate	6.47	43	348933	47.26	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	231645	49.84	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	206882m	50.92	ug/l	
77) Bromobenzene	11.26	156	220747	51.37	ug/l	95
78) n-propylbenzene	11.36	91	919985	53.56	ug/l	98
79) 2-Chlorotoluene	11.43	91	532087	51.17	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	690021	54.29	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	68456	48.96	ug/l	94
82) 4-Chlorotoluene	11.51	91	643774	52.30	ug/l	98
83) tert-Butylbenzene	11.77	119	678990	54.21	ug/l	95
84) 1,2,4-Trimethylbenzene	11.81	105	703408	53.42	ug/l	98
85) sec-Butylbenzene	11.95	105	816052	53.71	ug/l	99
86) p-Isopropyltoluene	12.07	119	746496	54.65	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	409474	52.17	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	410320	50.80	ug/l	99
89) n-Butylbenzene	12.39	91	645299	54.27	ug/l	98
90) Hexachloroethane	12.60	117	110091	54.18	ug/l	95
91) 1,2-Dichlorobenzene	12.40	146	404911	51.12	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	50819	48.63	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070518\
Data File : VX003165.D
Acq On : 05 Jul 2018 11:04
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

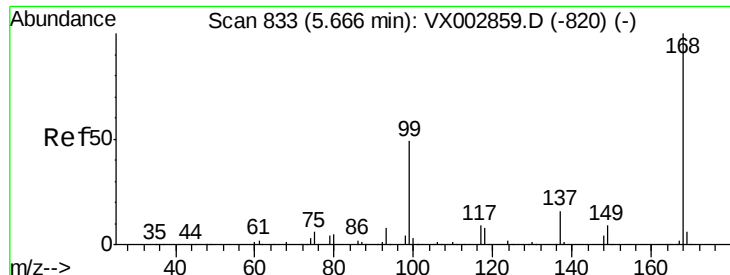
Manual Integrations
APPROVED

sam
7/6/2018 4:20:10 PM

Quant Time: Jul 05 17:35:59 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 25 14:38:05 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	315469	54.72	ug/l	100
94) Hexachlorobutadiene	13.79	225	172512	60.00	ug/l	98
95) Naphthalene	13.83	128	822268	53.55	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	312381	54.25	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003165.D

Acq: 05 Jul 2018 11:04

Tot Ion: 168 Resp: 271092

Ion Ratio Lower Upper

168 100

99 47.0 39.3 58.9

Instrument :

MSVOA_X

ClientSampleId :

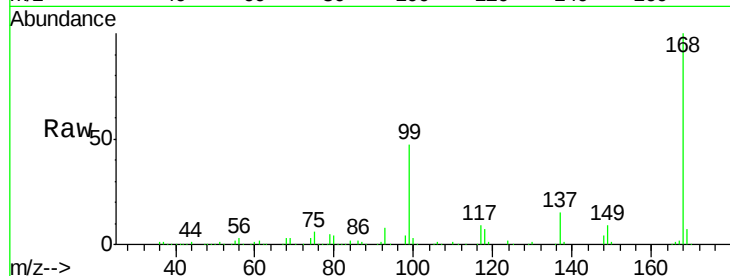
VSTDCCC050

Manual Integrations

APPROVED

sam

7/6/2018 4:20:10 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

100000

80000

60000

40000

20000

0

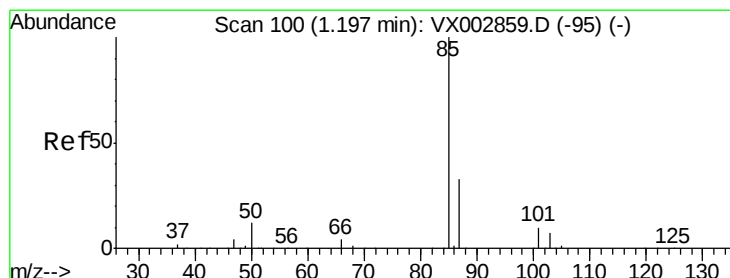
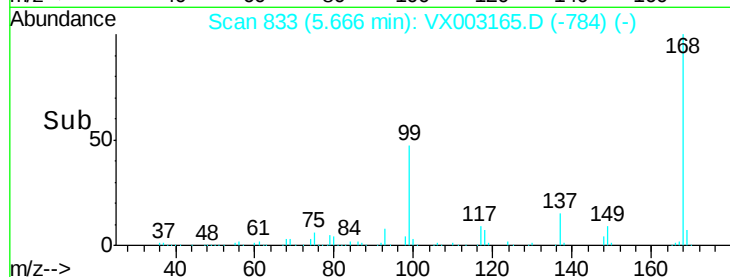
5.50

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 54.11 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003165.D

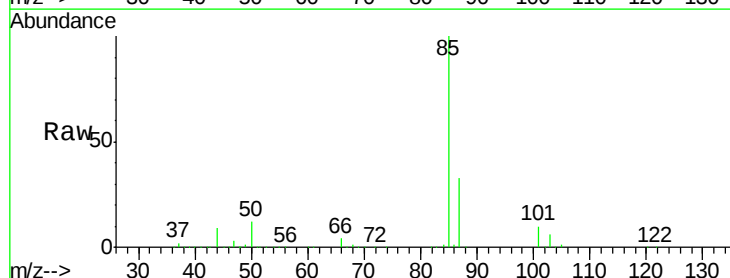
Acq: 05 Jul 2018 11:04

Tgt Ion: 85 Resp: 130898

Ion Ratio Lower Upper

85 100

87 33.1 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

100000

50000

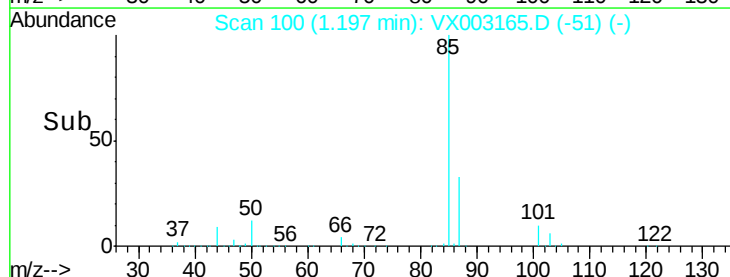
0

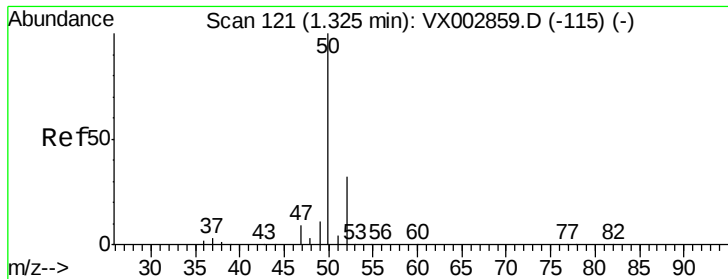
1.10

1.20

1.30

Time-->





#3

Chloromethane

Concen: 55.05 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003165.D

Acq: 05 Jul 2018 11:04

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 50 Resp: 138048

Ion Ratio Lower Upper

50 100

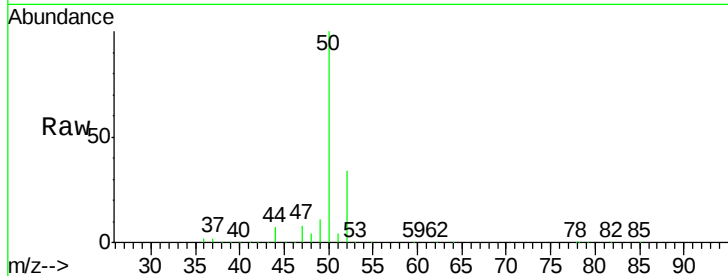
52 33.6 25.7 38.5

Manual Integrations

APPROVED

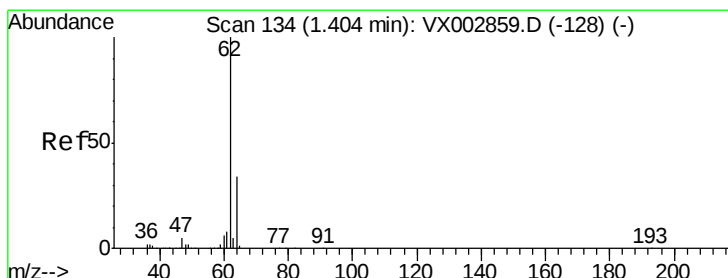
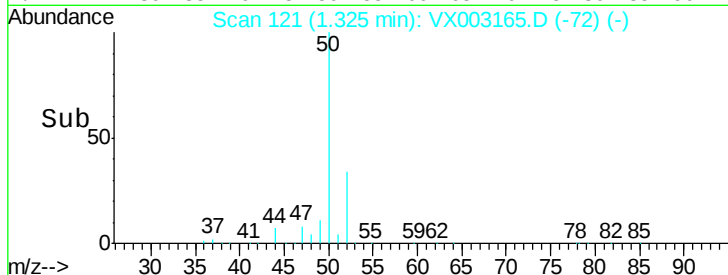
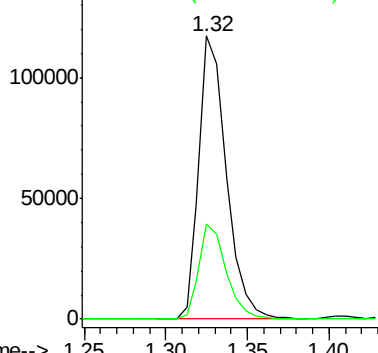
sam

7/6/2018 4:20:10 PM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 49.32 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX003165.D

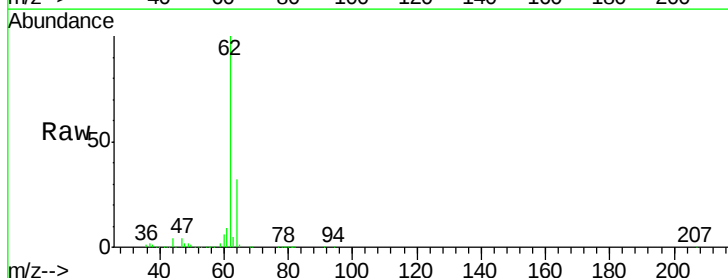
Acq: 05 Jul 2018 11:04

Tgt Ion: 62 Resp: 151196

Ion Ratio Lower Upper

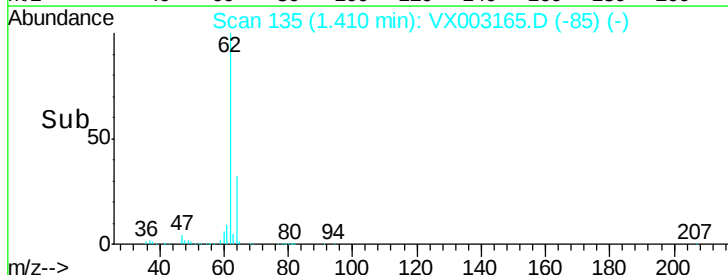
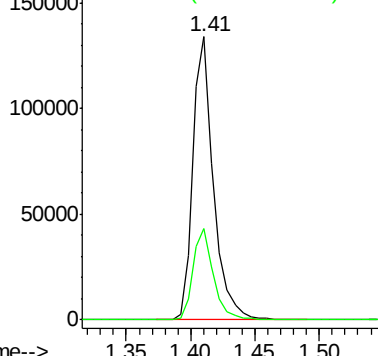
62 100

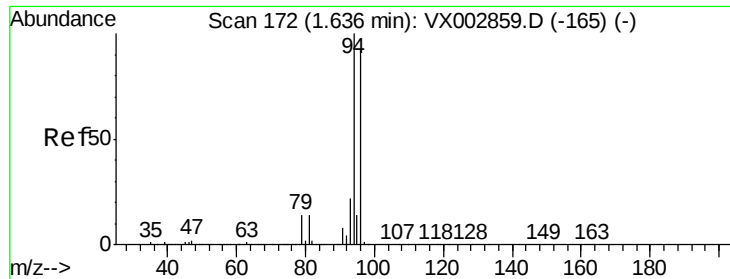
64 32.2 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 50.90 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003165.D

Acq: 05 Jul 2018 11:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 72774

Ion Ratio Lower Upper

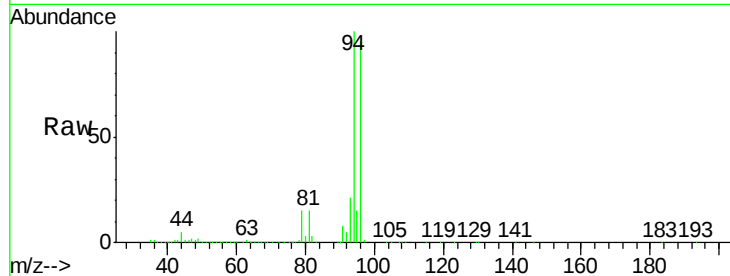
94 100

96 94.7 74.9 112.3

Manual Integrations
APPROVED

sam

7/6/2018 4:20:10 PM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

80000

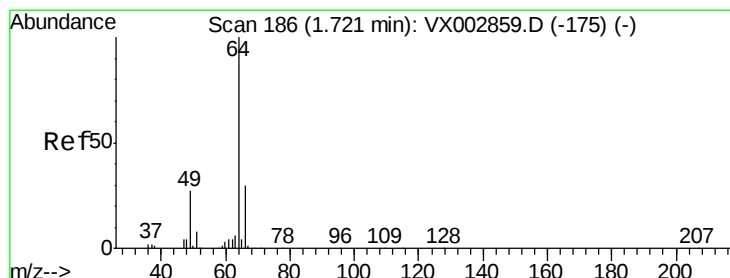
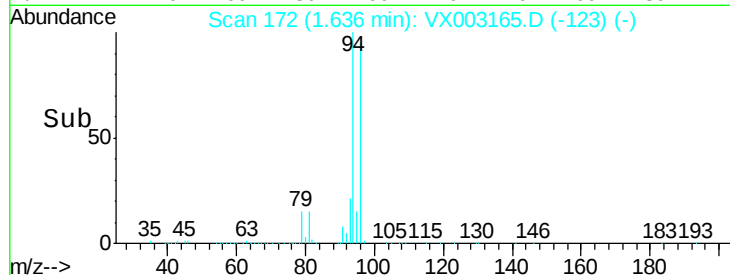
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 54.01 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX003165.D

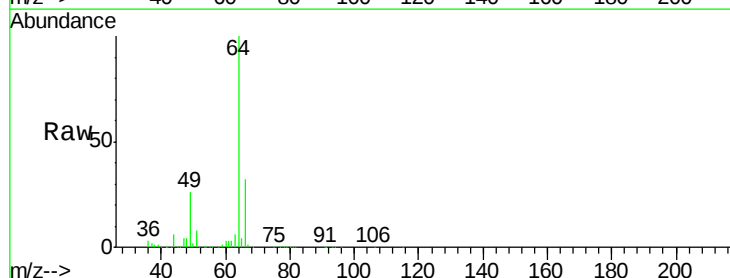
Acq: 05 Jul 2018 11:04

Tgt Ion: 64 Resp: 96834

Ion Ratio Lower Upper

64 100

66 32.0 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

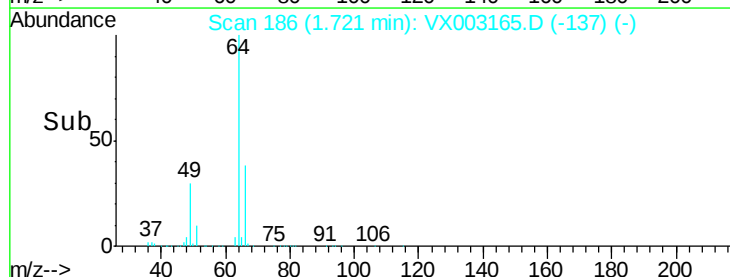
60000

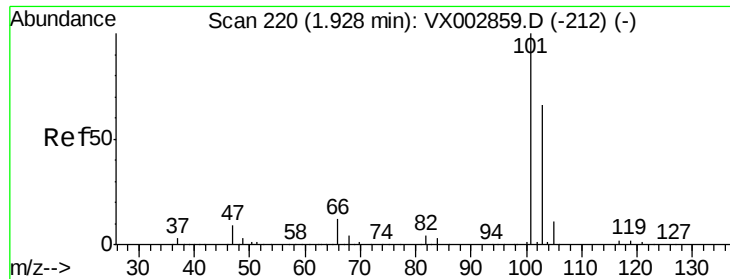
40000

20000

0

Time-->





#7

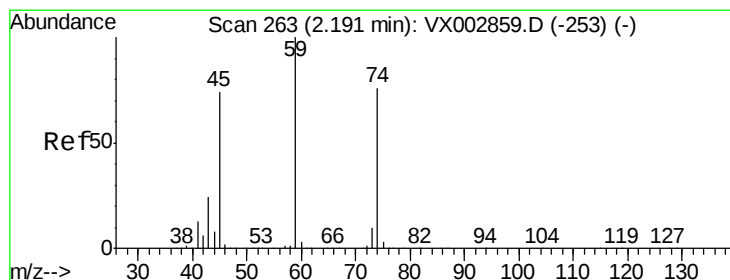
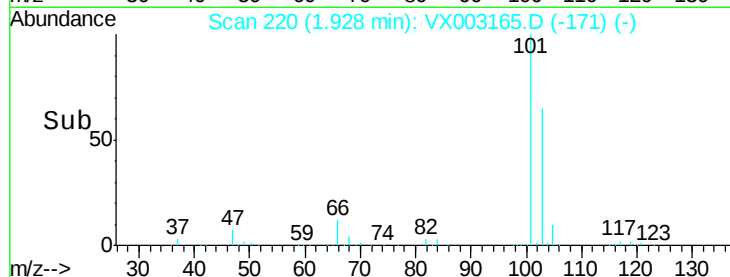
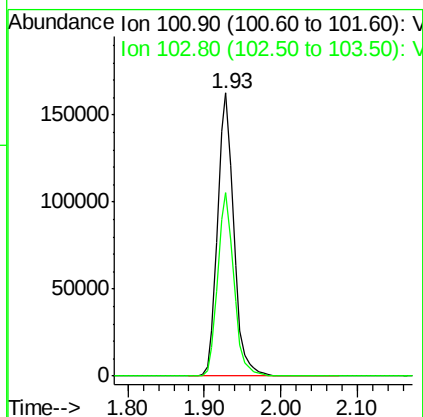
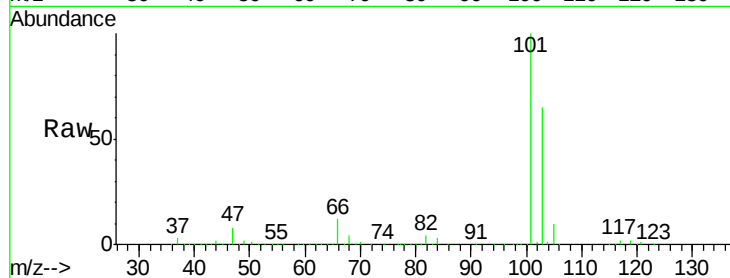
Trichlorofluoromethane
Concen: 46.22 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.00 min
Lab File: VX003165.D
Acq: 05 Jul 2018 11:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	52.8	79.2

Manual Integrations
APPROVED

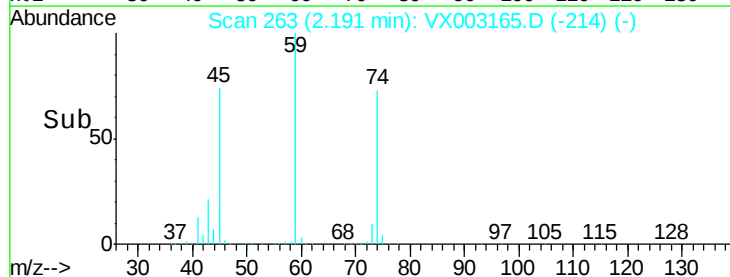
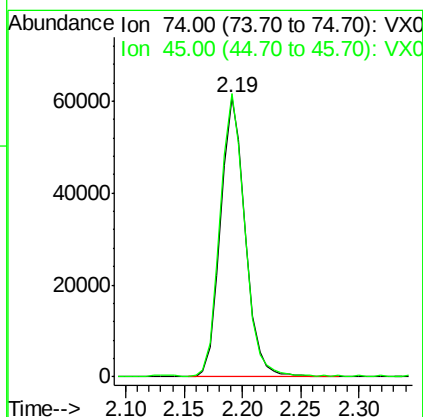
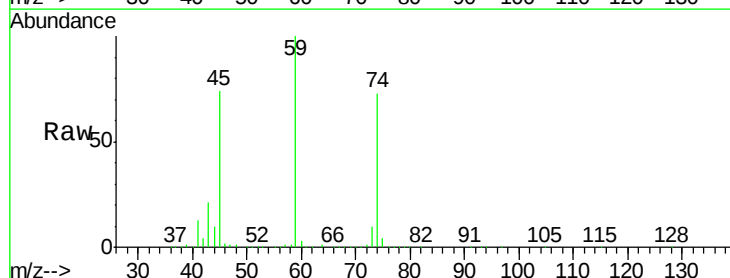
sam
7/6/2018 4:20:10 PM



#8

Diethyl Ether
Concen: 47.17 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX003165.D
Acq: 05 Jul 2018 11:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.3	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.18 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX003165.D

Acq: 05 Jul 2018 11:04

Instrument :

MSVOA_X

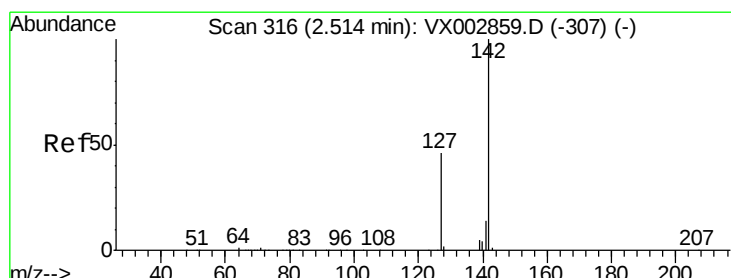
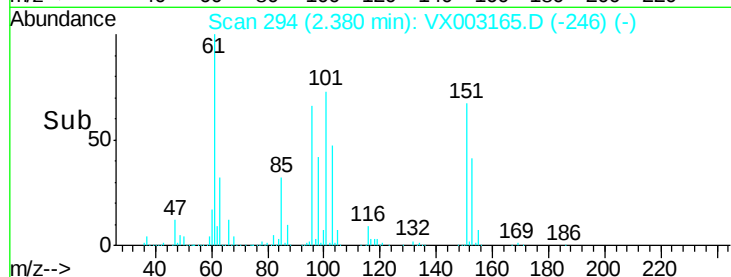
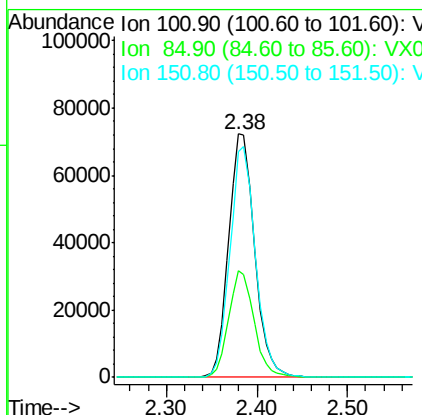
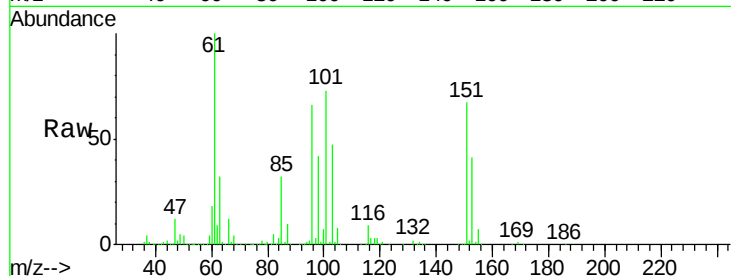
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	144377
Ion Ratio	Lower	Upper	
101	100		
85	42.6	36.0	54.0
151	93.1	70.9	106.3

Manual Integrations
APPROVED

sam
7/6/2018 4:20:10 PM



#10

Methyl Iodide

Concen: 49.28 ug/l

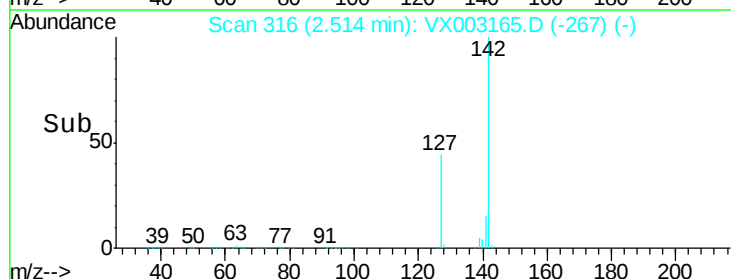
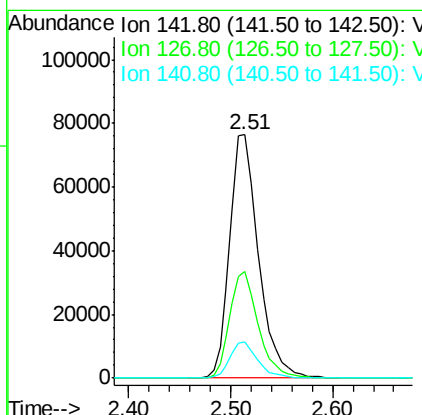
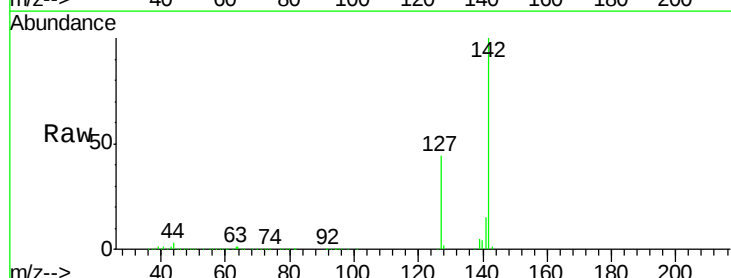
RT: 2.51 min Scan# 316

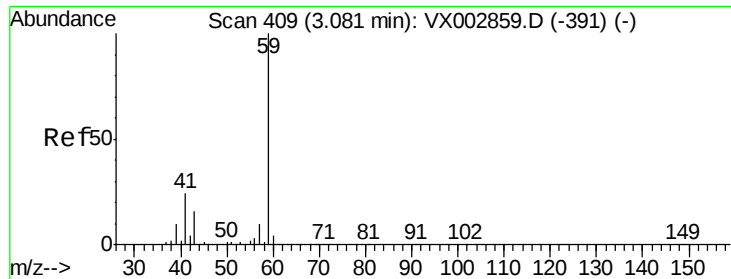
Delta R.T. 0.00 min

Lab File: VX003165.D

Acq: 05 Jul 2018 11:04

Tgt Ion:	142	Resp:	149457
Ion Ratio	Lower	Upper	
142	100		
127	43.3	36.6	55.0
141	14.3	11.3	16.9





#11

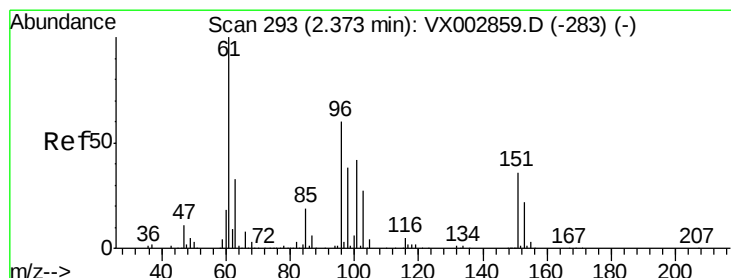
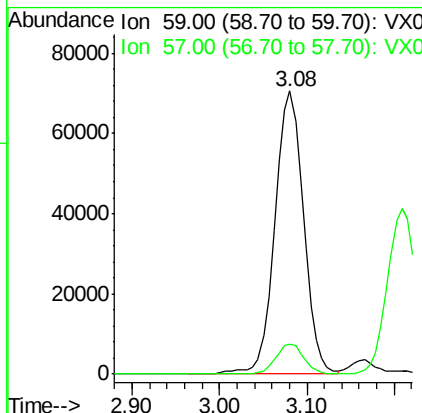
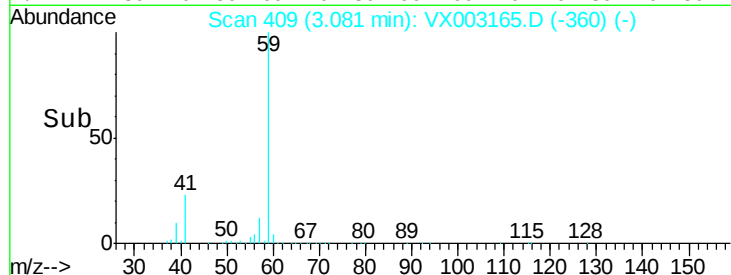
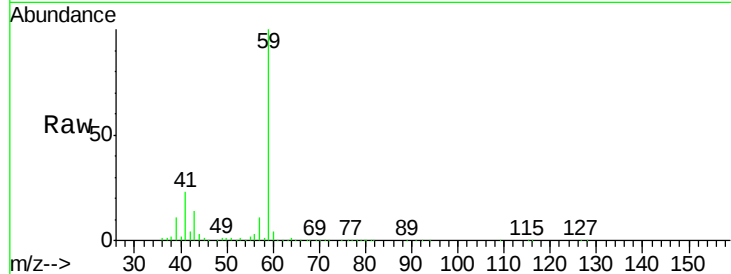
Tert butyl alcohol
 Concen: 216.07 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. 0.00 min
 Lab File: VX003165.D
 Acq: 05 Jul 2018 11:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.2

Manual Integrations
 APPROVED

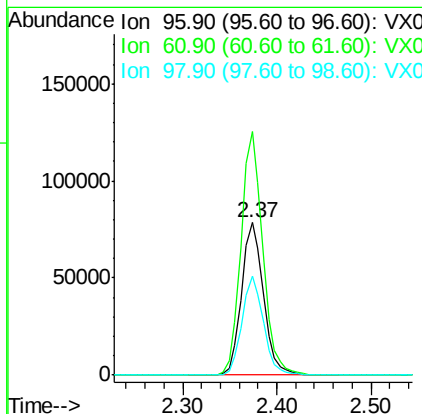
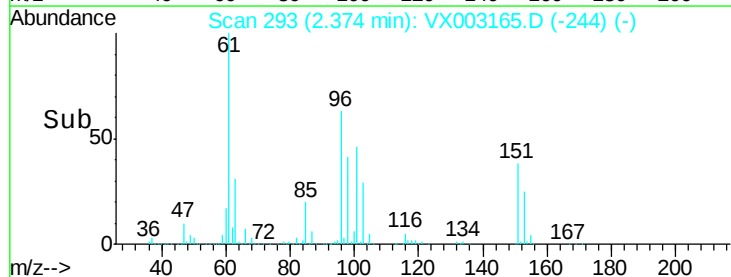
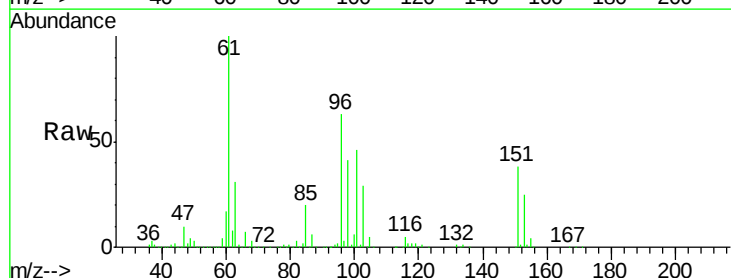
sam
 7/6/2018 4:20:10 PM



#12

1,1-Dichloroethene
 Concen: 47.68 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. 0.00 min
 Lab File: VX003165.D
 Acq: 05 Jul 2018 11:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.6	137.9	206.9
98	64.7	51.6	77.4





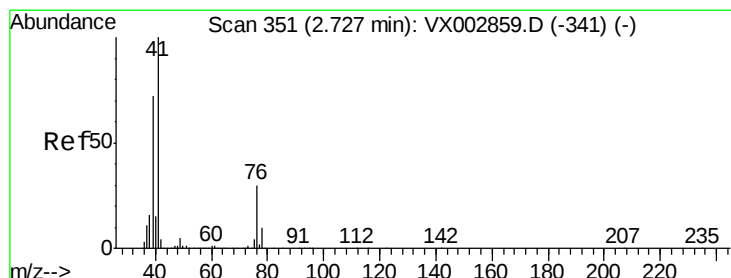
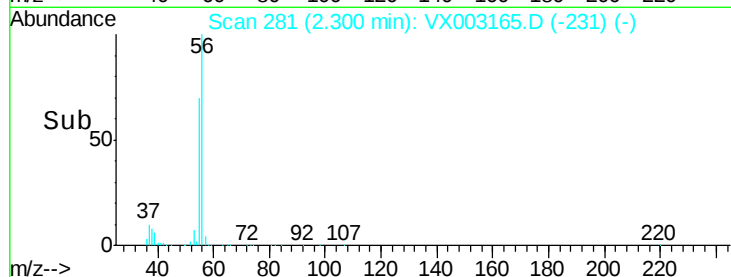
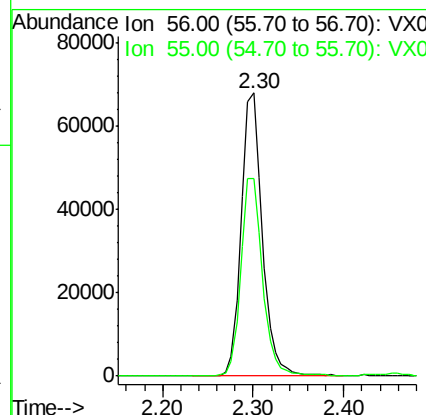
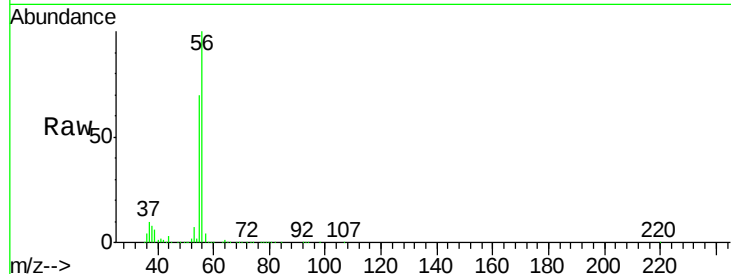
#13
Acrolein
Concen: 264.01 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX003165.D
Acq: 05 Jul 2018 11:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	109354
Ion Ratio	100	Lower	Upper
55	71.6	57.0	85.4

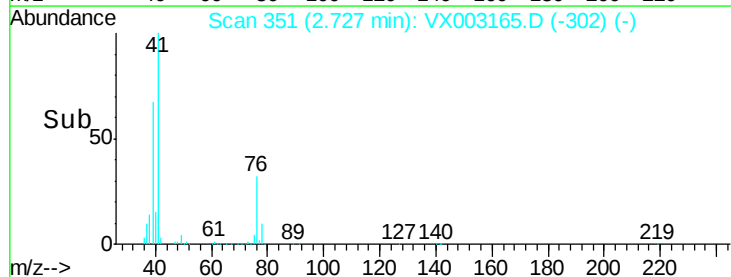
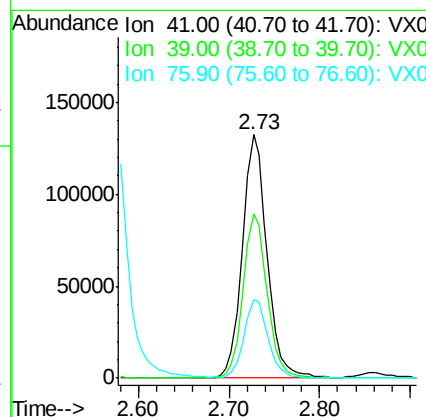
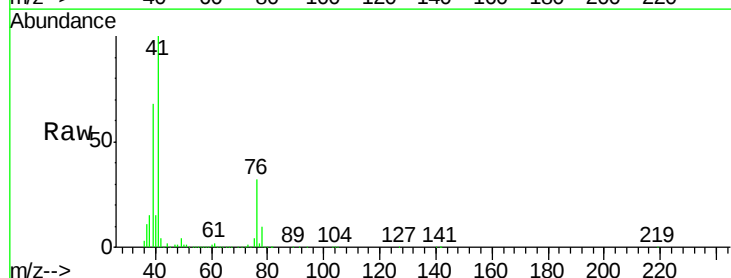
Manual Integrations
APPROVED

sam
7/6/2018 4:20:10 PM



#14
Allyl chloride
Concen: 47.05 ug/l
RT: 2.73 min Scan# 351
Delta R.T. 0.00 min
Lab File: VX003165.D
Acq: 05 Jul 2018 11:04

Tgt Ion	41	Resp	247968
Ion Ratio	100	Lower	Upper
39	65.5	56.8	85.2
76	31.2	23.8	35.8





#15

Acrylonitrile

Concen: 230.00 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003165.D

Acq: 05 Jul 2018 11:04

Instrument :

MSVOA_X

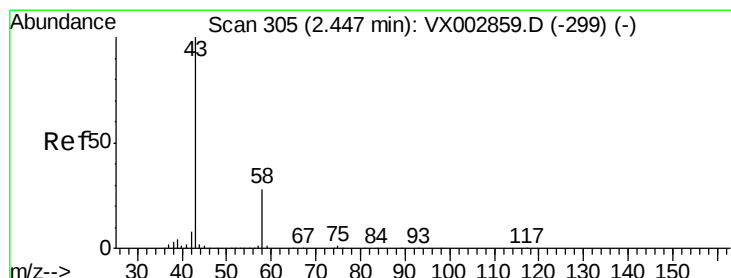
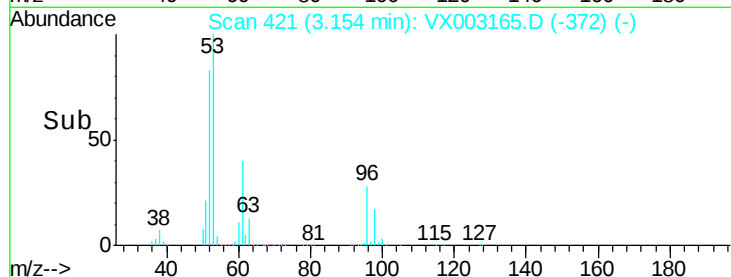
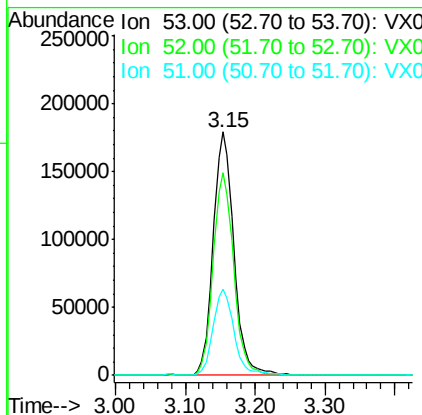
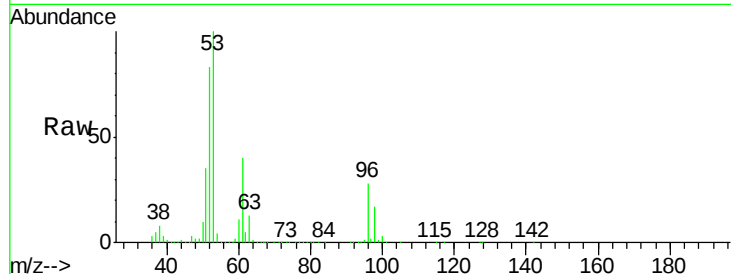
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	366708
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.7	100.1
51	36.1	29.9	44.9

Manual Integrations
APPROVED

sam
7/6/2018 4:20:10 PM



#16

Acetone

Concen: 205.49 ug/l

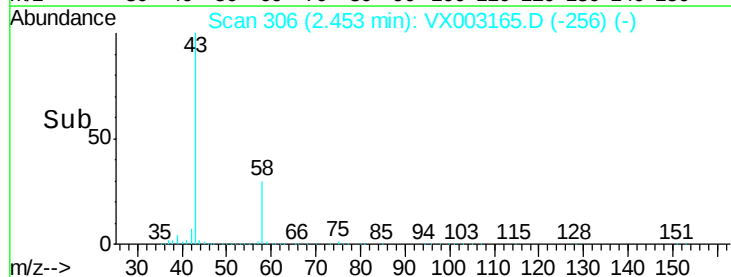
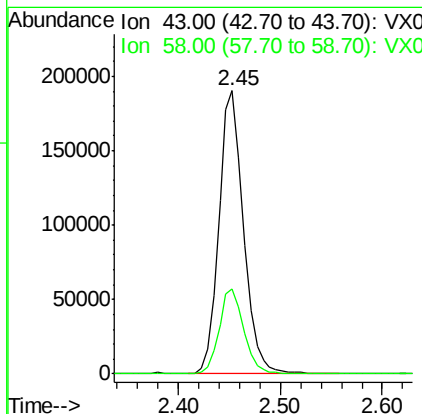
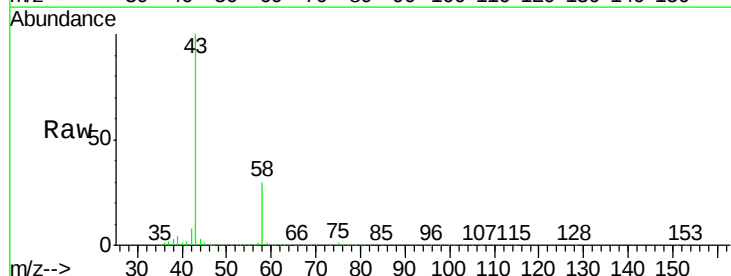
RT: 2.45 min Scan# 306

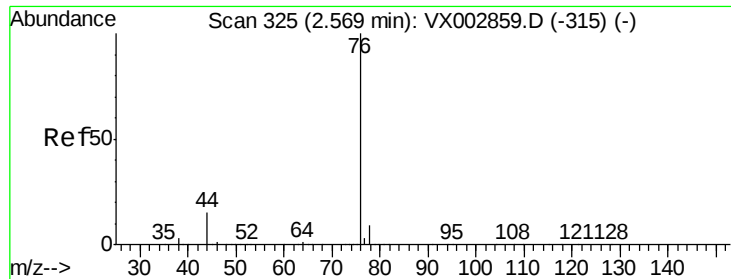
Delta R.T. 0.01 min

Lab File: VX003165.D

Acq: 05 Jul 2018 11:04

Tgt Ion:	43	Resp:	318868
Ion	Ratio	Lower	Upper
43	100		
58	30.0	22.1	33.1





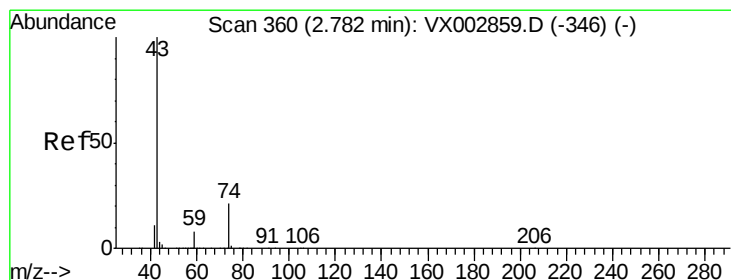
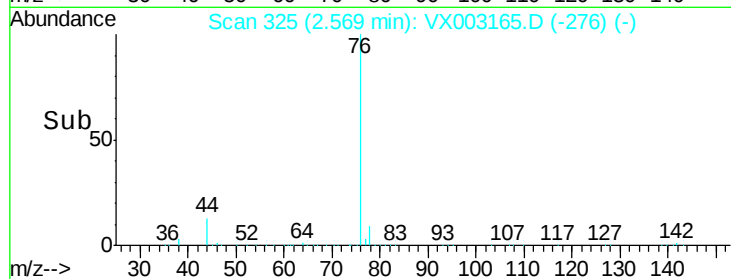
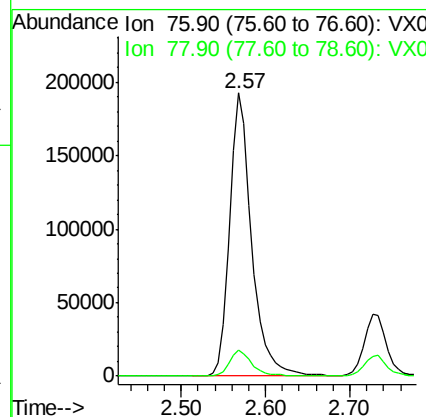
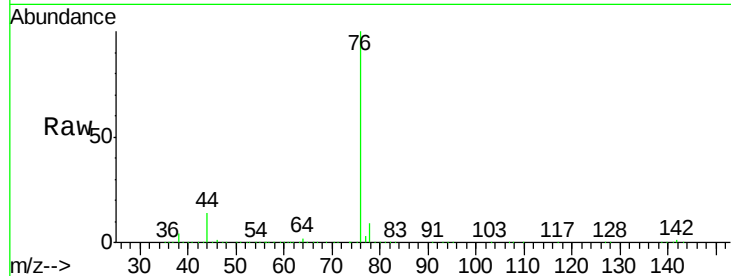
#17
Carbon Disulfide
Concen: 48.57 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX003165.D
Acq: 05 Jul 2018 11:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	6.9	10.3

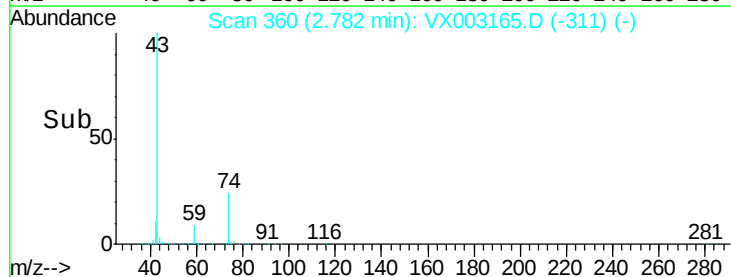
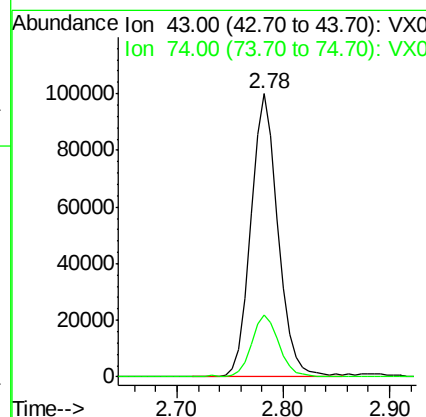
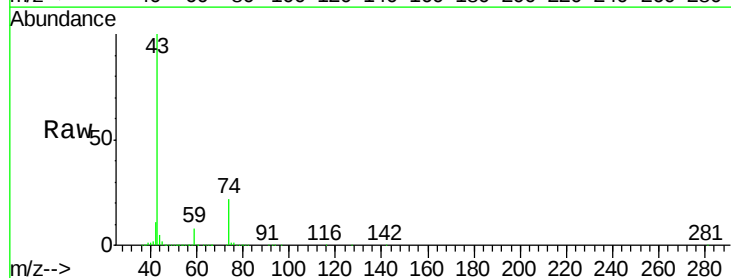
Manual Integrations
APPROVED

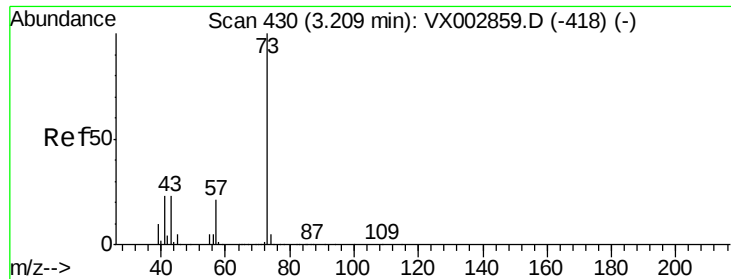
sam
7/6/2018 4:20:10 PM



#18
Methyl Acetate
Concen: 40.76 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX003165.D
Acq: 05 Jul 2018 11:04

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.6	16.7	25.1





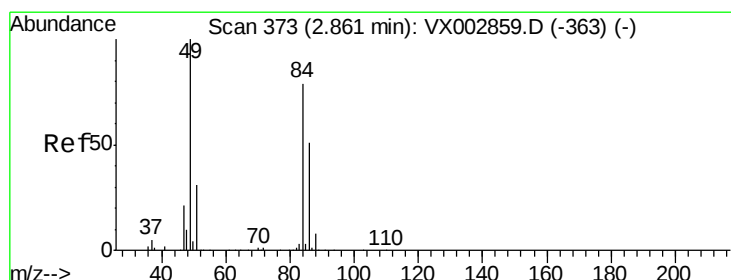
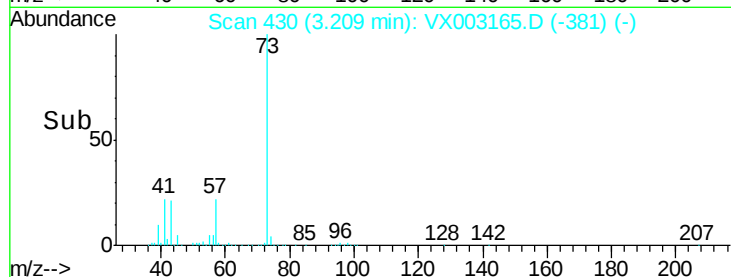
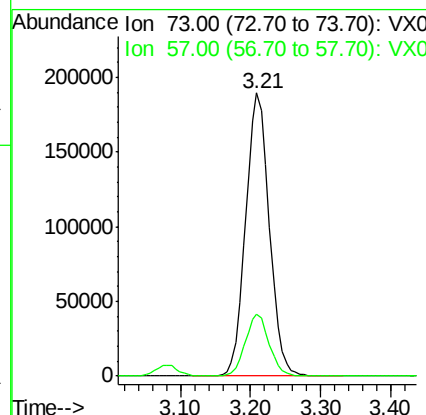
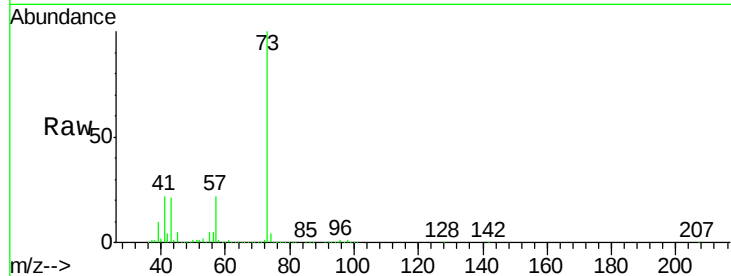
#19
Methvl tert-butvl Ether
Concen: 46.28 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX003165.D
Acq: 05 Jul 2018 11:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 444828
Ion Ratio Lower Upper
73 100
57 21.7 17.7 26.5

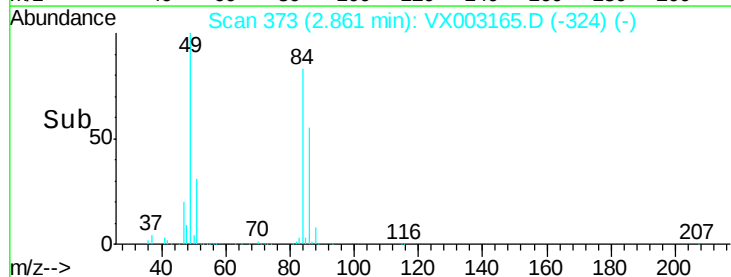
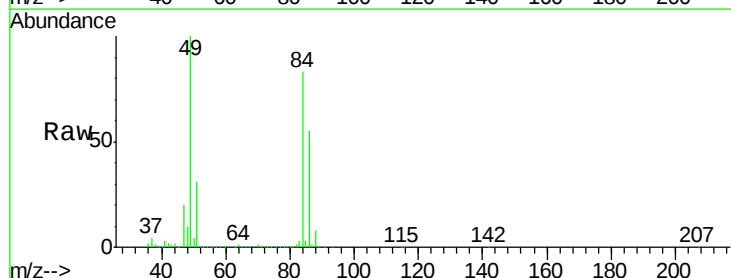
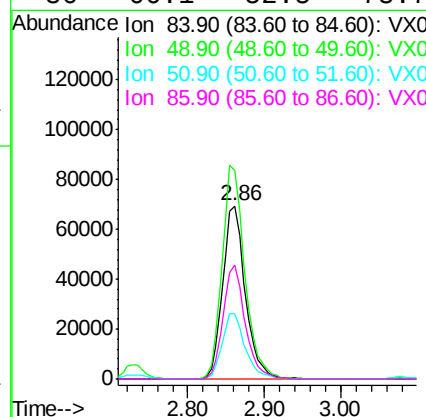
Manual Integrations
APPROVED

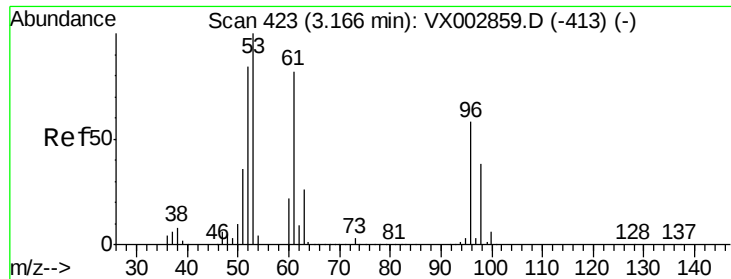
sam
7/6/2018 4:20:10 PM



#20
Methylene Chloride
Concen: 47.09 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX003165.D
Acq: 05 Jul 2018 11:04

Tgt Ion: 84 Resp: 142197
Ion Ratio Lower Upper
84 100
49 120.4 107.8 161.6
51 37.6 32.8 49.2
86 66.1 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 47.51 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX003165.D

Acq: 05 Jul 2018 11:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 138351

Ion Ratio Lower Upper

96 100

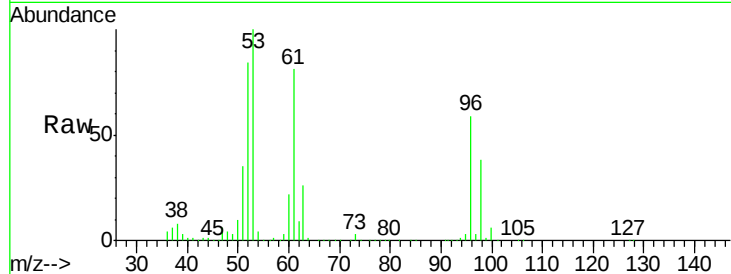
61 136.1 117.0 175.4

98 63.7 52.4 78.6

Manual Integrations
APPROVED

sam

7/6/2018 4:20:10 PM

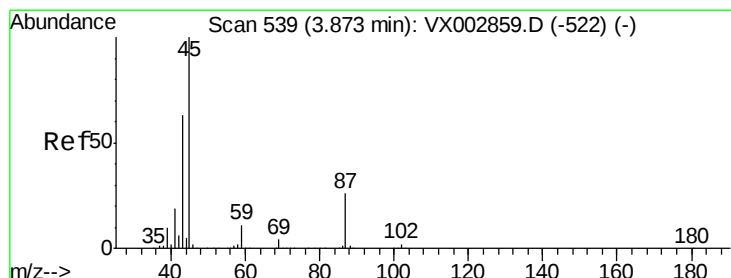
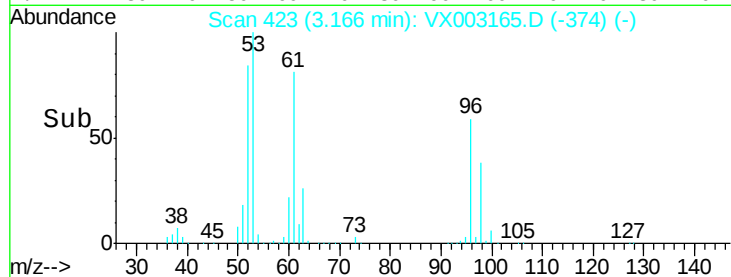
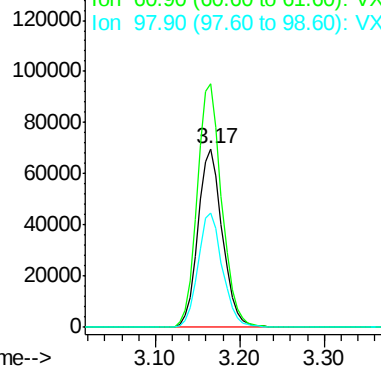


Abundance

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



#22

Diisopropyl ether

Concen: 46.37 ug/l

RT: 3.87 min Scan# 539

Delta R.T. 0.00 min

Lab File: VX003165.D

Acq: 05 Jul 2018 11:04

Tgt Ion: 45 Resp: 467123

Ion Ratio Lower Upper

45 100

43 63.0 46.8 70.2

87 27.1 20.2 30.4

59 11.1 8.7 13.1

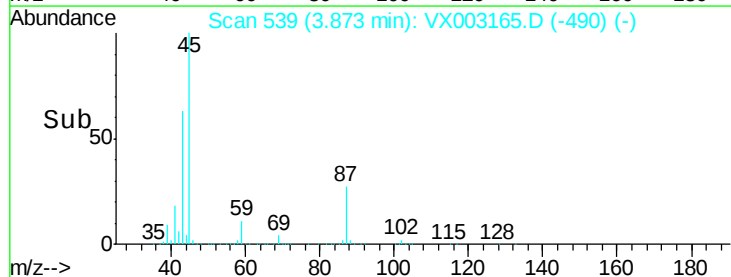
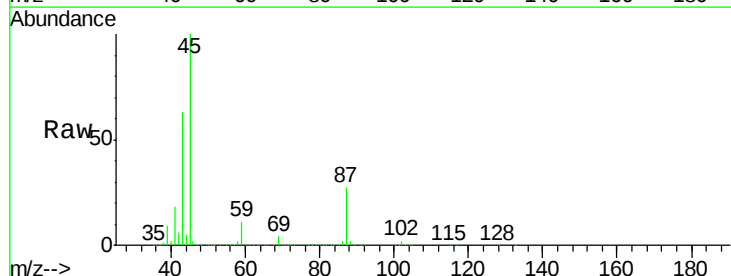
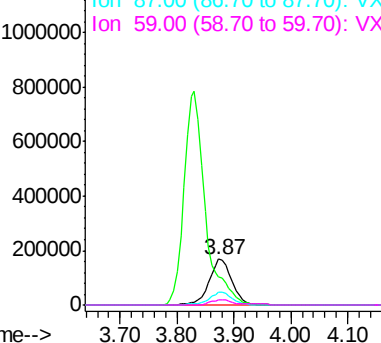
Abundance

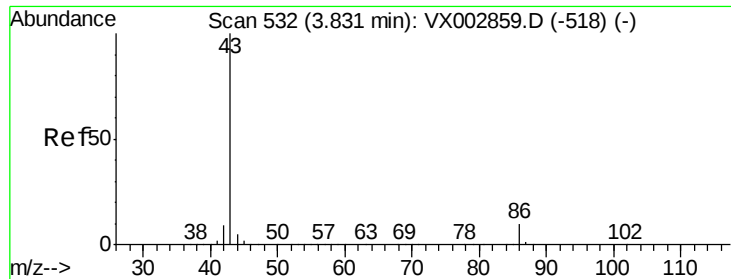
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 239.03 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX003165.D

Acq: 05 Jul 2018 11:04

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 2039001

Ion Ratio Lower Upper

43 100

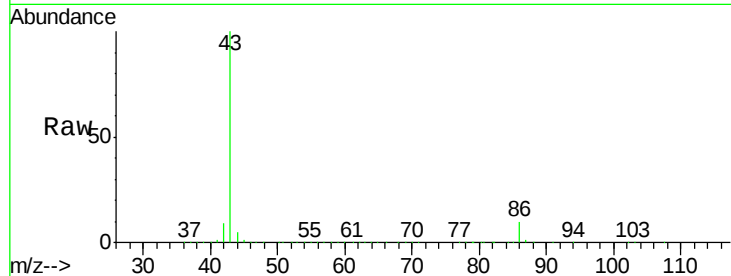
86 9.7 7.4 11.0

Manual Integrations

APPROVED

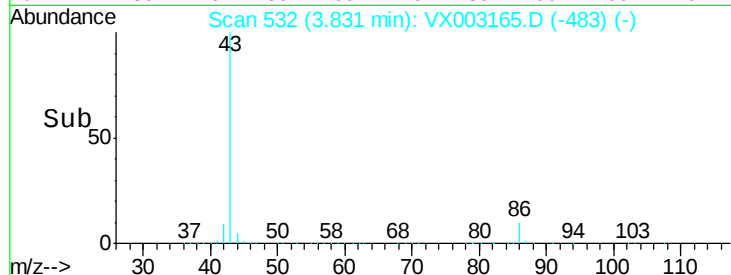
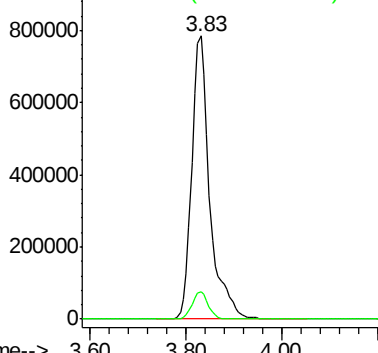
sam

7/6/2018 4:20:10 PM

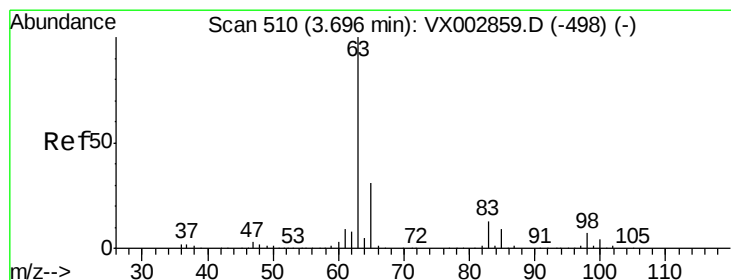


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



Time-->



#24

1,1-Dichloroethane

Concen: 46.13 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003165.D

Acq: 05 Jul 2018 11:04

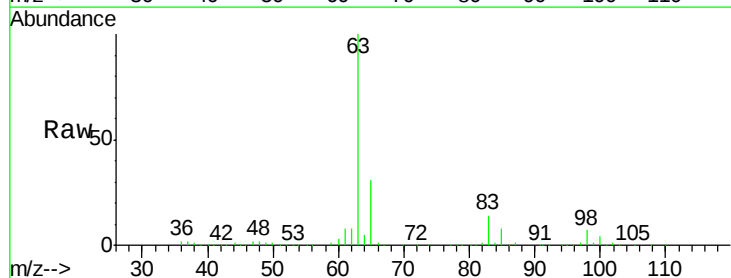
Tgt Ion: 63 Resp: 252600

Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.2

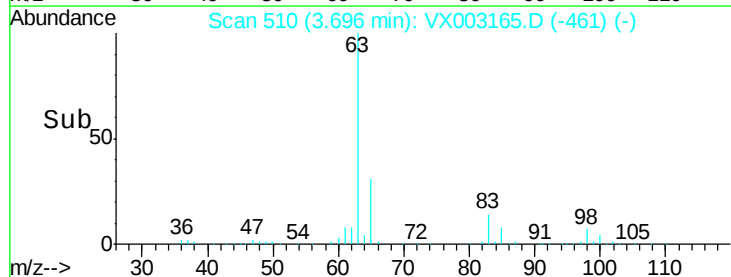
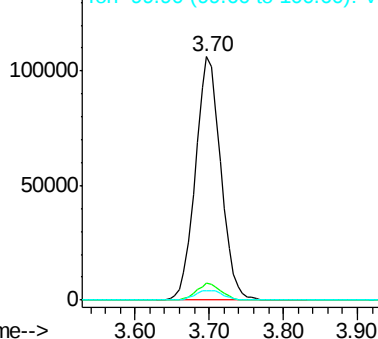
100 4.1 2.0 6.0



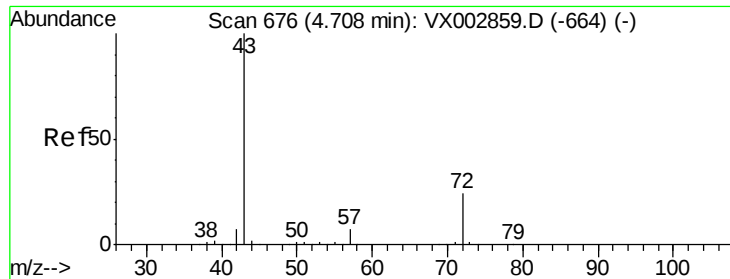
Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



Time-->



#25

2-Butanone

Concen: 234.47 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX003165.D

Acq: 05 Jul 2018 11:04

Tot Ion: 43 Resp: 539982

Ion Ratio Lower Upper

43 100

72 25.8 18.5 27.7

Instrument :

MSVOA_X

ClientSampleId :

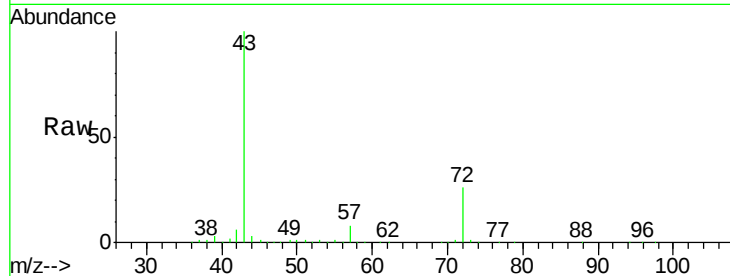
VSTDCCC050

Manual Integrations

APPROVED

sam

7/6/2018 4:20:10 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

200000

150000

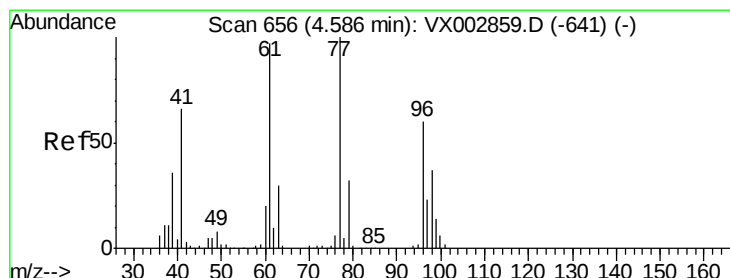
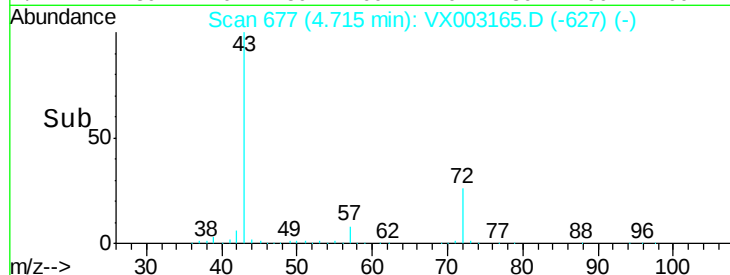
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 51.14 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX003165.D

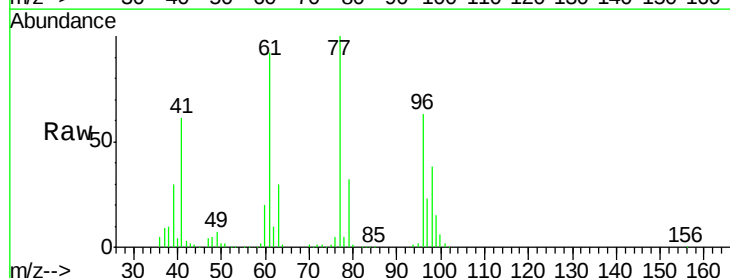
Acq: 05 Jul 2018 11:04

Tgt Ion: 77 Resp: 227681

Ion Ratio Lower Upper

77 100

97 23.2 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

80000

60000

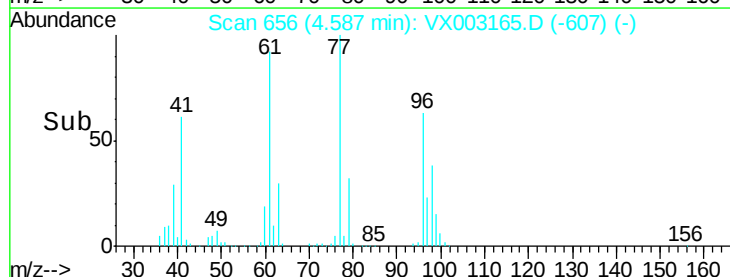
40000

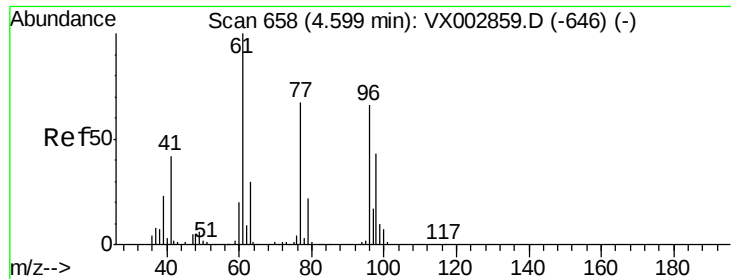
20000

0

4.40 4.50 4.60 4.70 4.80

Time-->





#27

cis-1,2-Dichloroethene

Concen: 48.93 ug/l

RT: 4.60 min Scan# 658

Delta R.T. 0.00 min

Lab File: VX003165.D

Acq: 05 Jul 2018 11:04

Instrument :

MSVOA_X

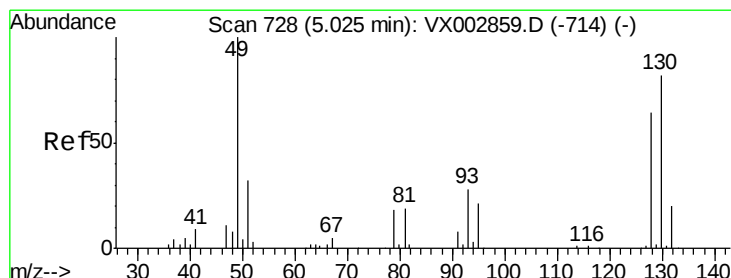
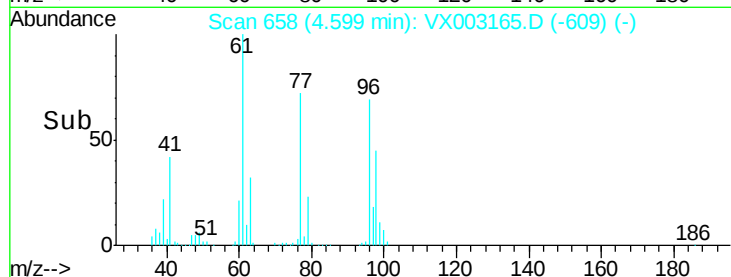
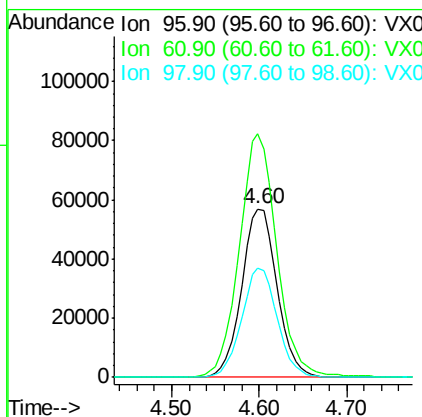
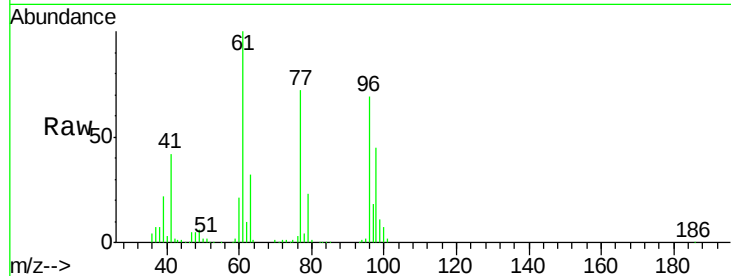
ClientSampled :

VSTDCCC050

Tot Ion:	96	Resp:	159752
Ion	Ratio	Lower	Upper
96	100		
61	154.1	0.0	330.2
98	65.2	0.0	130.2

Manual Integrations
APPROVED

sam
7/6/2018 4:20:10 PM



#28

Bromochloromethane

Concen: 47.08 ug/l

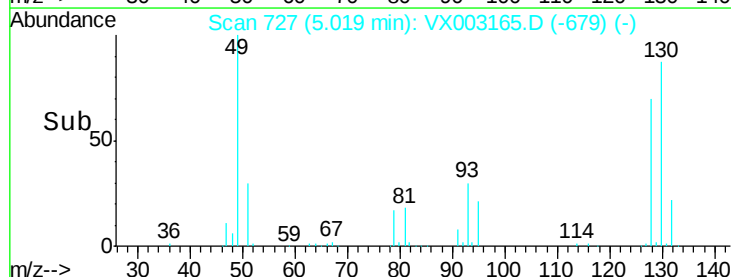
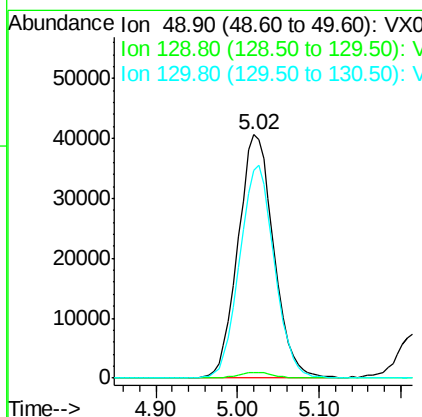
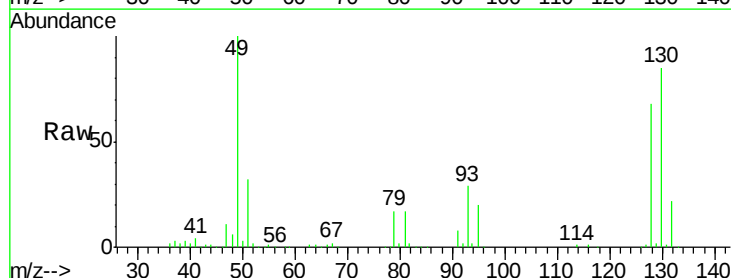
RT: 5.02 min Scan# 727

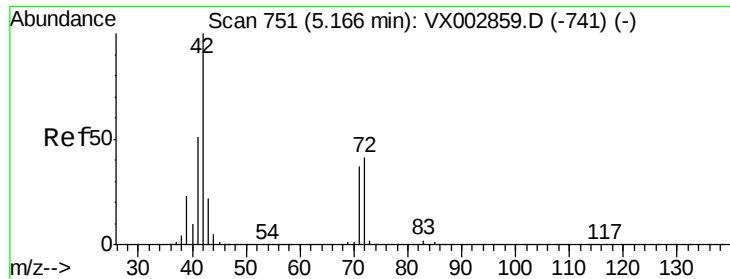
Delta R.T. -0.01 min

Lab File: VX003165.D

Acq: 05 Jul 2018 11:04

Tgt Ion:	49	Resp:	123386
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	85.5	61.2	91.8





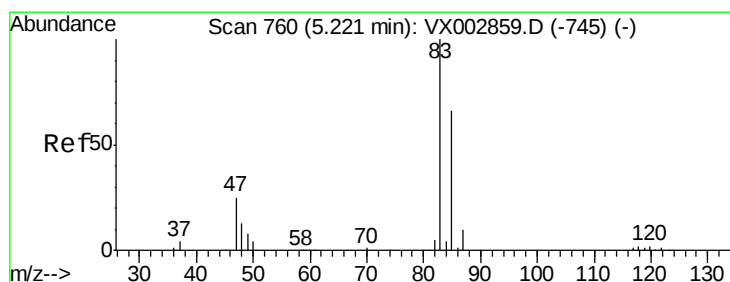
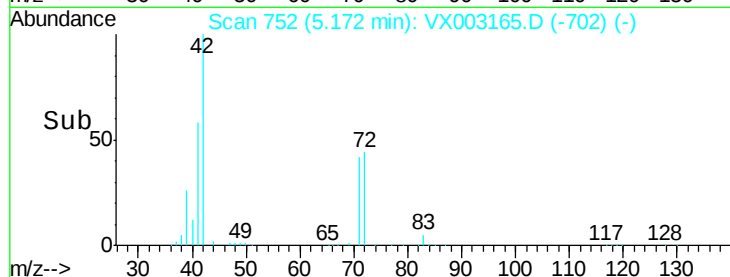
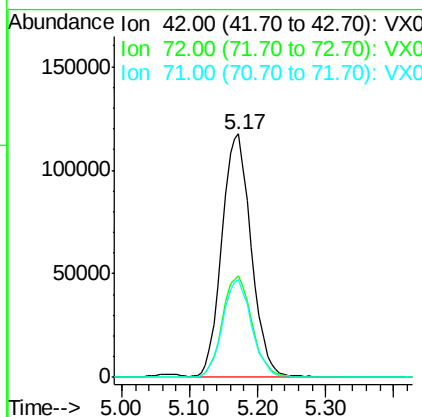
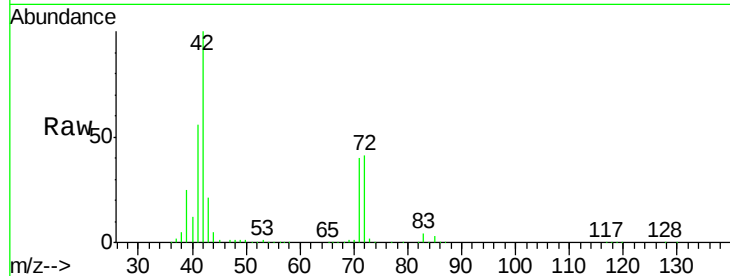
#29
Tetrahydrofuran
Concen: 236.73 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.01 min
Lab File: VX003165.D
Acq: 05 Jul 2018 11:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.4	32.0	48.0
71	39.8	30.1	45.1

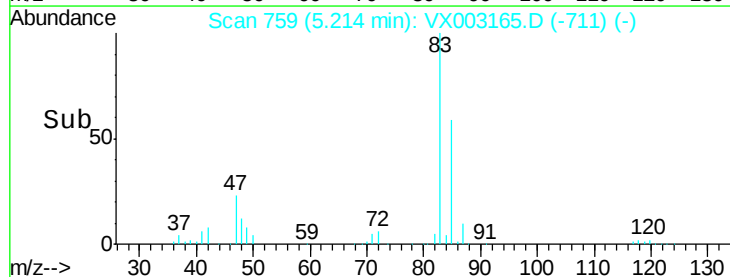
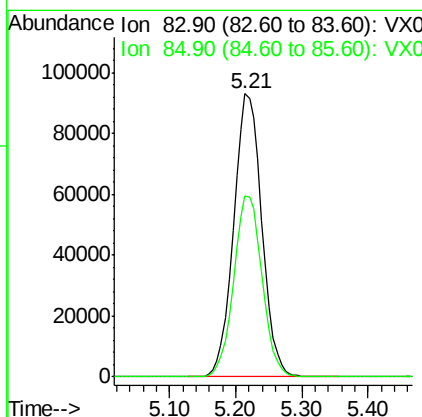
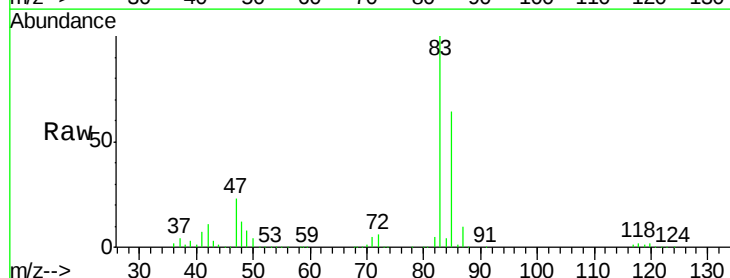
Manual Integrations
APPROVED

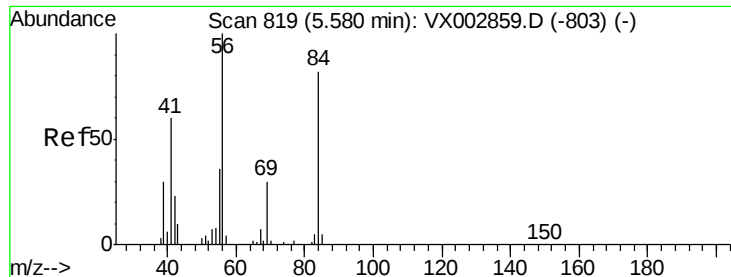
sam
7/6/2018 4:20:10 PM



#30
Chloroform
Concen: 48.87 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX003165.D
Acq: 05 Jul 2018 11:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.4	75.6





#31

Cyclohexane

Concen: 50.17 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX003165.D

Acq: 05 Jul 2018 11:04

Instrument :

MSVOA_X

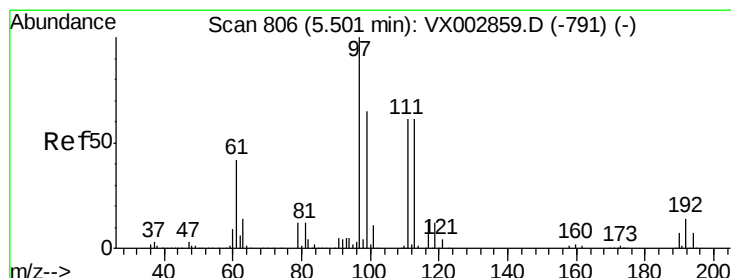
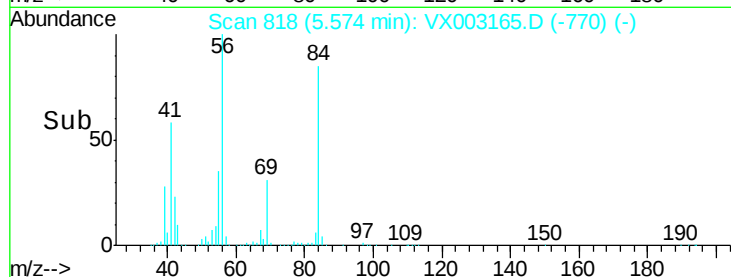
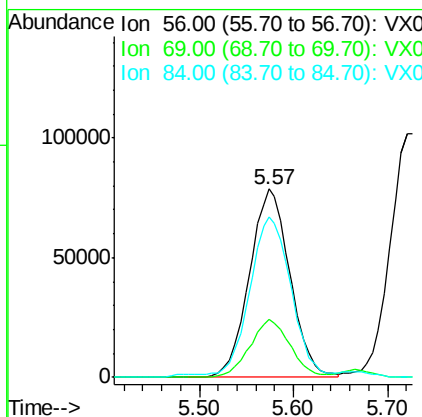
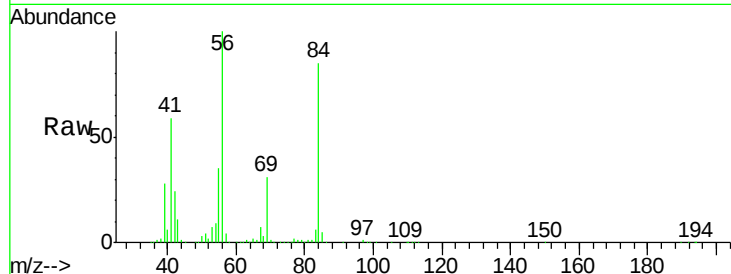
ClientSampled :

VSTDCCC050

Tot Ion:	56	Resp:	235757
Ion Ratio		Lower	Upper
56	100		
69	30.7	23.7	35.5
84	83.8	64.1	96.1

Manual Integrations
APPROVED

sam
7/6/2018 4:20:10 PM



#32

1,1,1-Trichloroethane

Concen: 49.35 ug/l

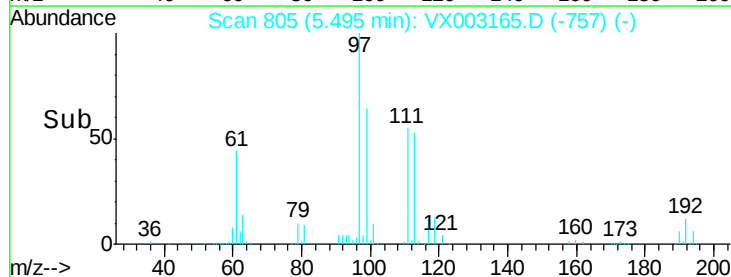
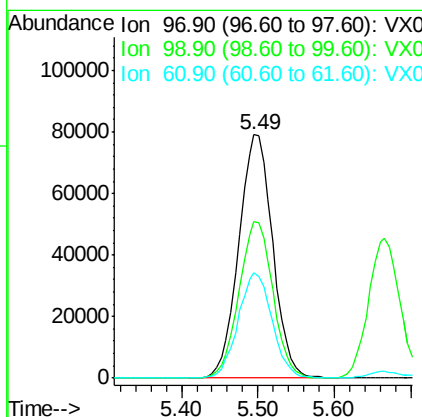
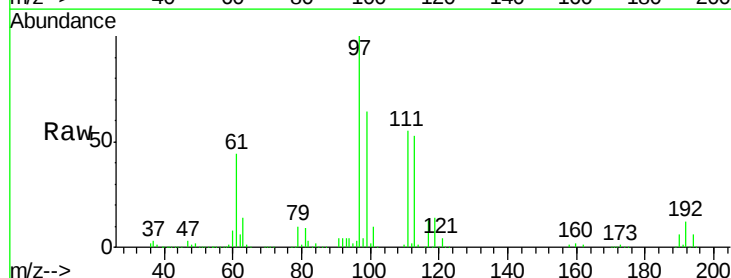
RT: 5.49 min Scan# 805

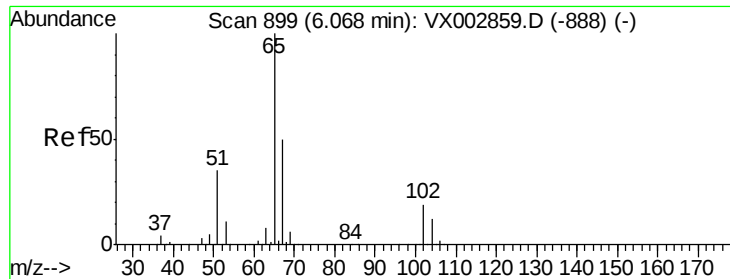
Delta R.T. -0.01 min

Lab File: VX003165.D

Acq: 05 Jul 2018 11:04

Tgt Ion:	97	Resp:	243994
Ion Ratio		Lower	Upper
97	100		
99	64.2	51.6	77.4
61	43.3	36.4	54.6





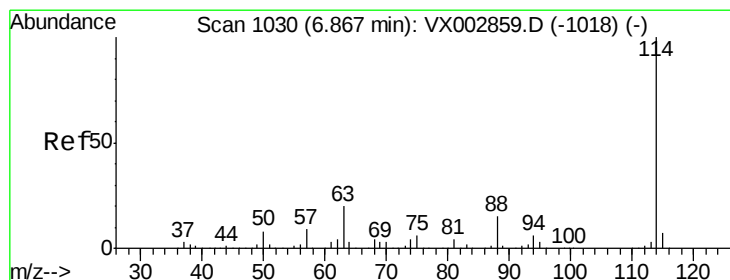
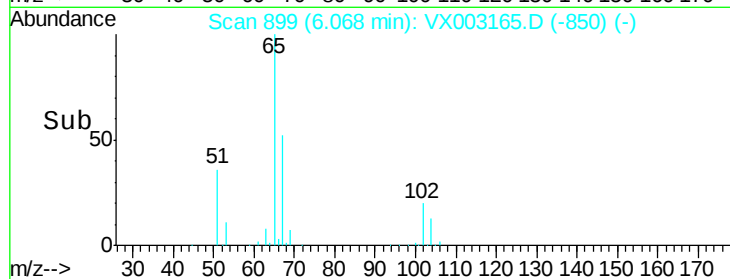
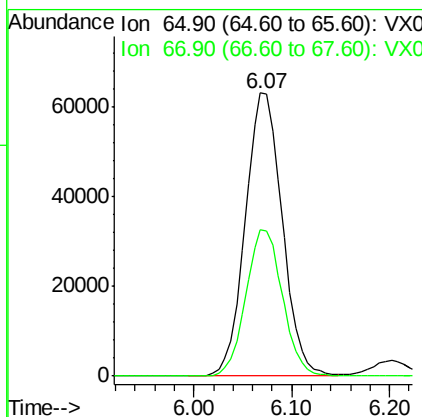
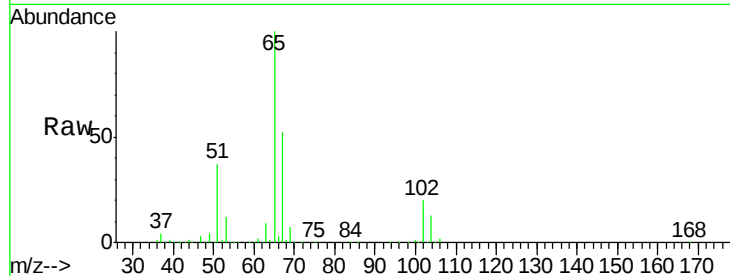
#33
 1,2-Dichloroethane-d4
 Concen: 44.29 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX003165.D
 Acq: 05 Jul 2018 11:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	102.6

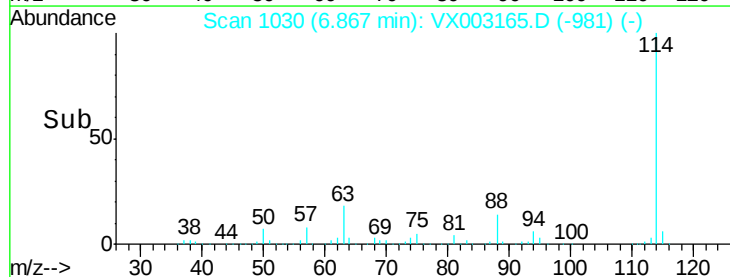
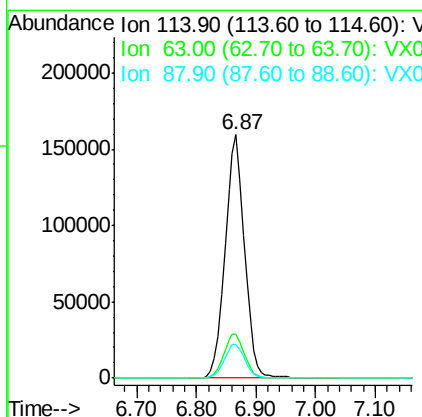
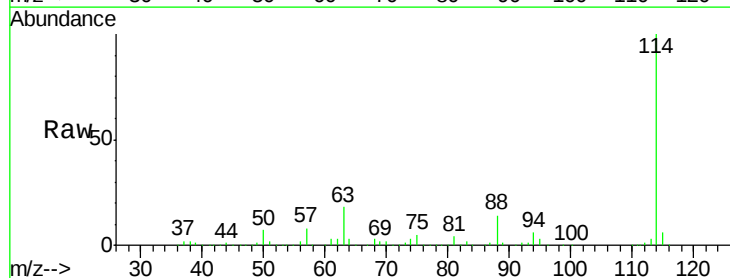
Manual Integrations
 APPROVED

sam
 7/6/2018 4:20:10 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003165.D
 Acq: 05 Jul 2018 11:04

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.9	0.0	41.4
88	13.7	0.0	30.0





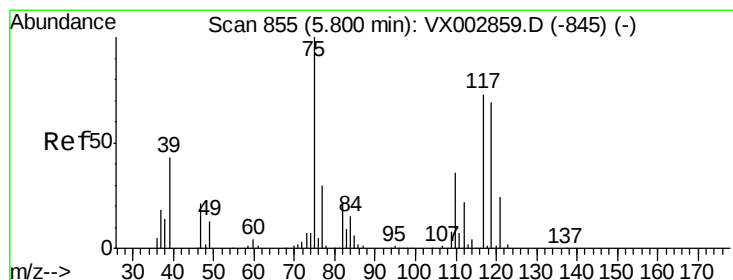
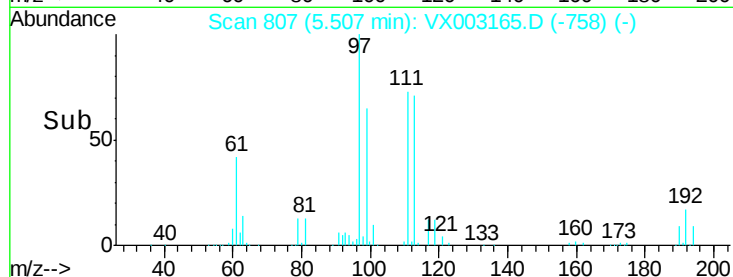
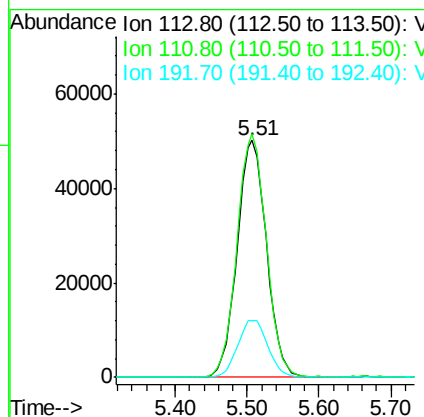
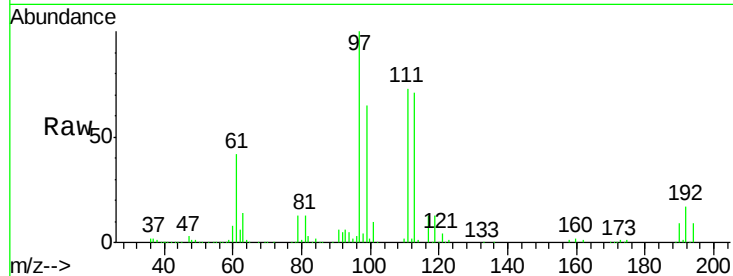
#35
Dibromofluoromethane
Concen: 49.91 ug/l
RT: 5.51 min Scan# 807
Delta R.T. 0.00 min
Lab File: VX003165.D
Acq: 05 Jul 2018 11:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	142398		
111	102.5	81.4	122.0	
192	24.9	19.1	28.7	

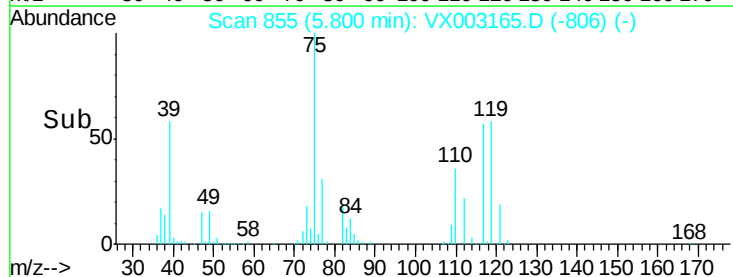
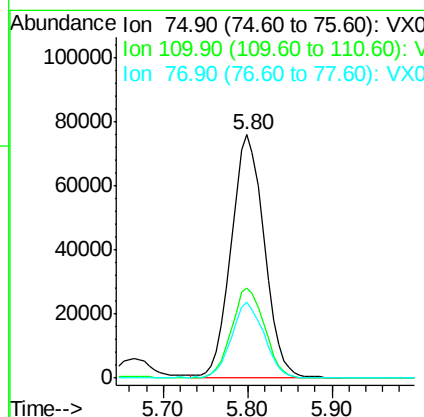
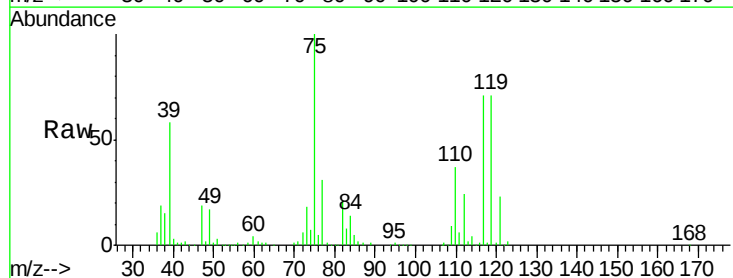
Manual Integrations
APPROVED

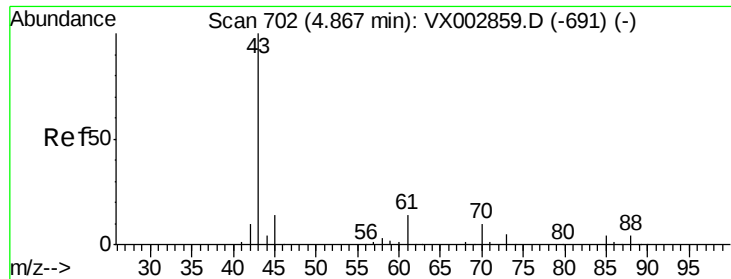
sam
7/6/2018 4:20:10 PM



#36
1,1-Dichloropropene
Concen: 51.11 ug/l
RT: 5.80 min Scan# 855
Delta R.T. 0.00 min
Lab File: VX003165.D
Acq: 05 Jul 2018 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	201955		
110	37.3	18.1	54.4	
77	30.6	24.3	36.5	





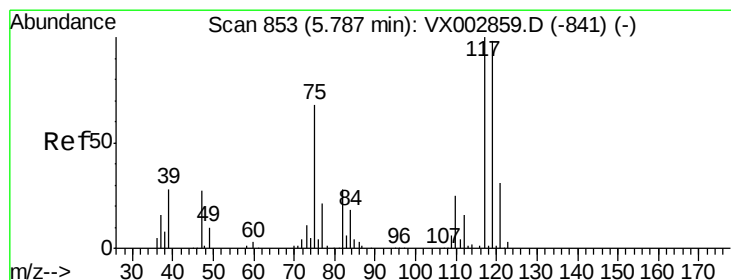
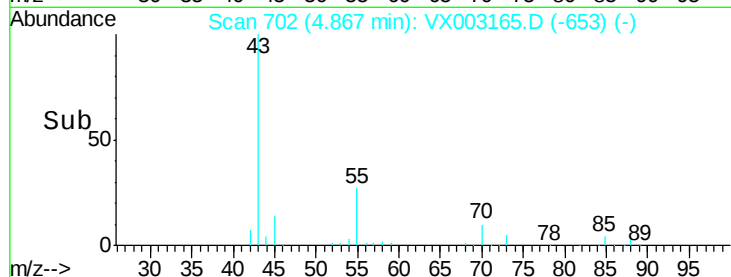
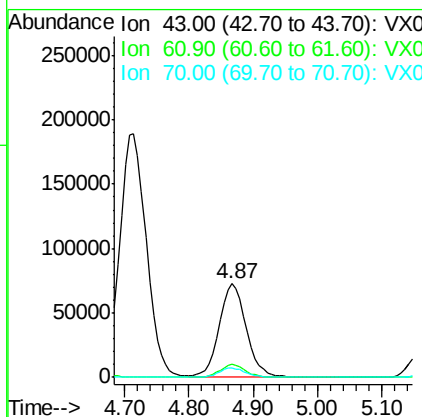
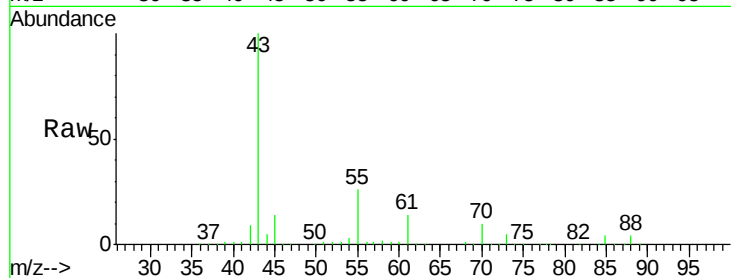
#37
Ethyl Acetate
Concen: 50.16 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.00 min
Lab File: VX003165.D
Acq: 05 Jul 2018 11:04

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.4	15.6
70	10.0	7.6	11.4

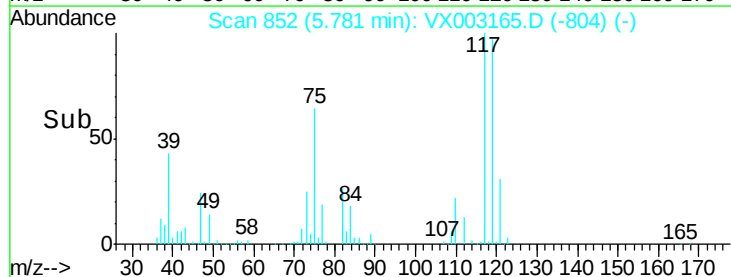
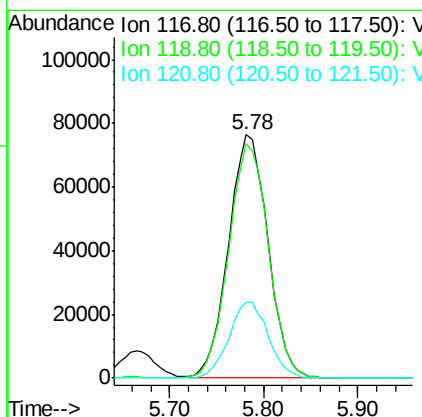
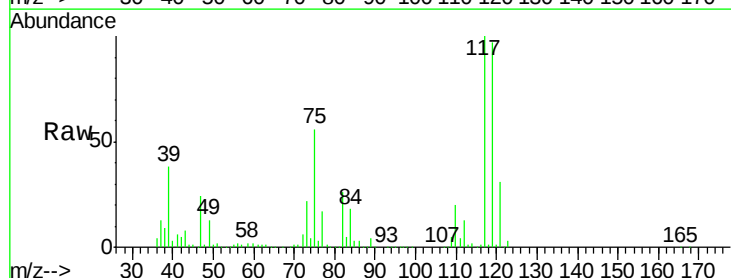
Manual Integrations
APPROVED

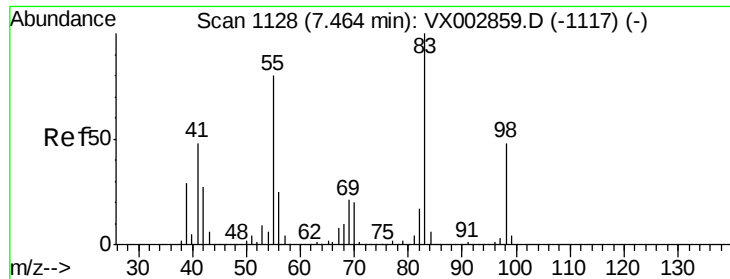
sam
7/6/2018 4:20:10 PM



#38
Carbon Tetrachloride
Concen: 51.30 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX003165.D
Acq: 05 Jul 2018 11:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	77.4	116.0
121	31.1	24.4	36.6





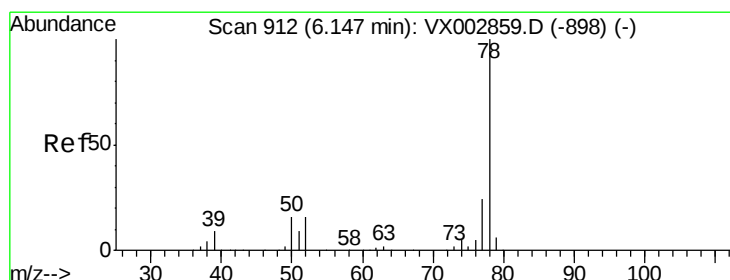
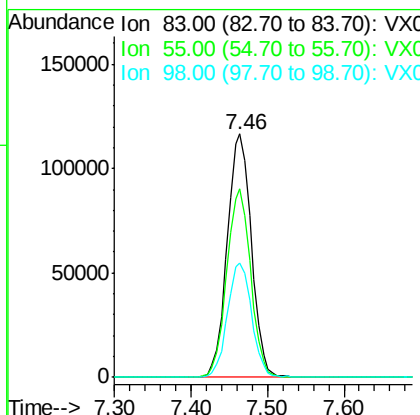
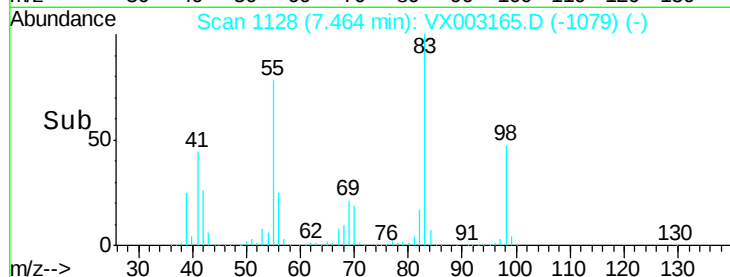
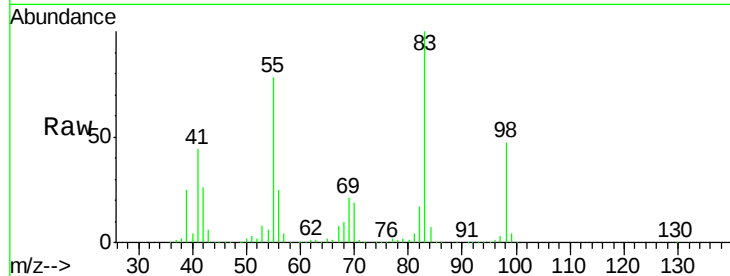
#39
Methvlcvclohexane
Concen: 55.23 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003165.D
Acq: 05 Jul 2018 11:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.6	65.4	98.0
98	47.0	37.4	56.0

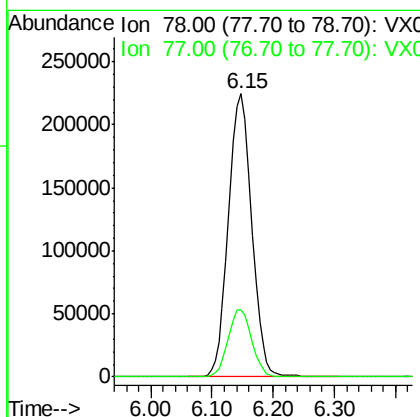
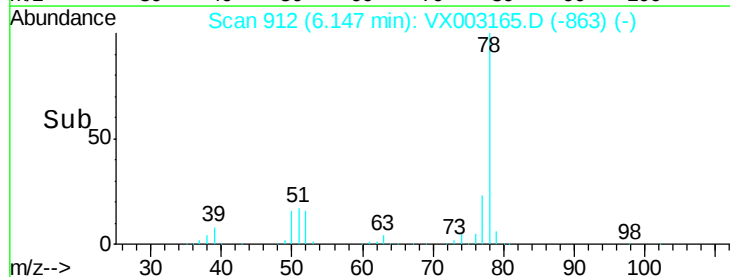
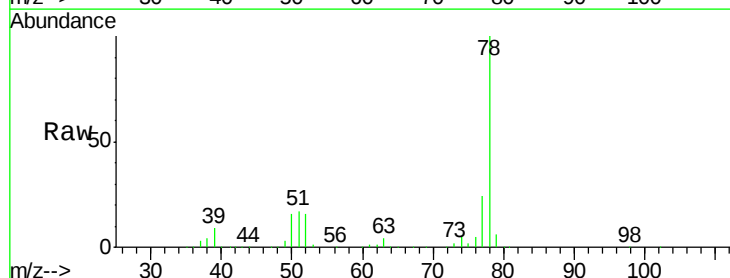
Manual Integrations
APPROVED

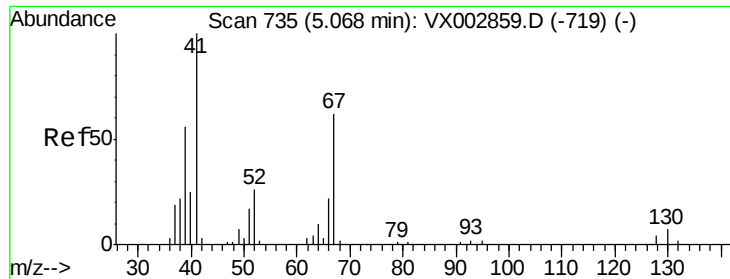
sam
7/6/2018 4:20:10 PM



#40
Benzene
Concen: 51.40 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003165.D
Acq: 05 Jul 2018 11:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.1	28.7





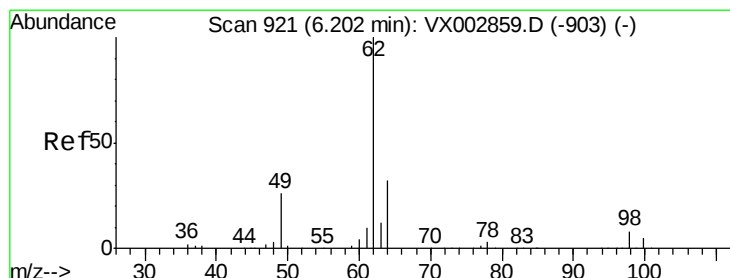
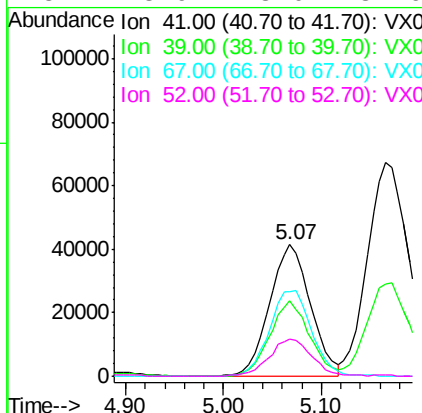
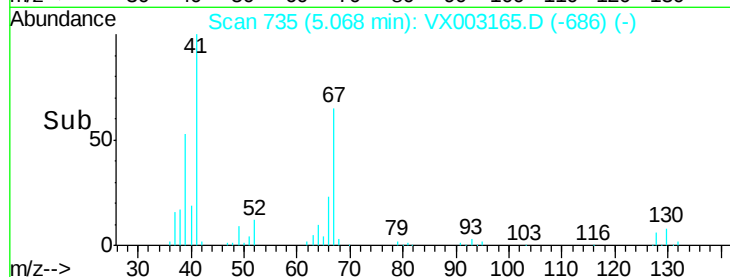
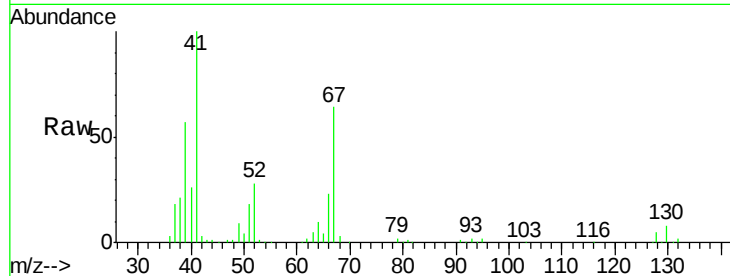
#41
Methacrylonitrile
Concen: 49.19 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX003165.D
Acq: 05 Jul 2018 11:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		120495		
39	55.6	45.8	68.6		
67	68.2	51.3	76.9		
52	28.9	23.0	34.6		

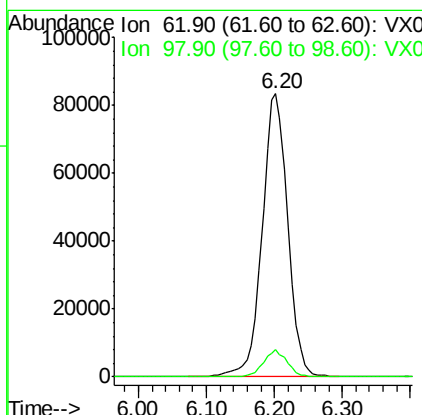
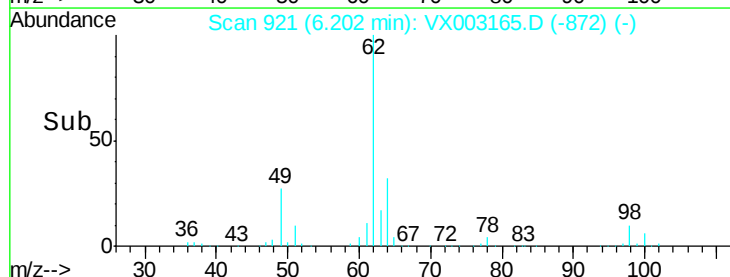
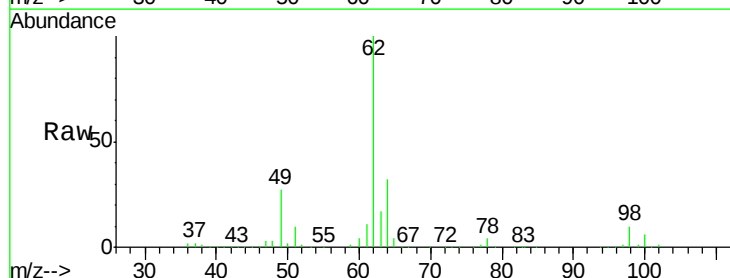
Manual Integrations
APPROVED

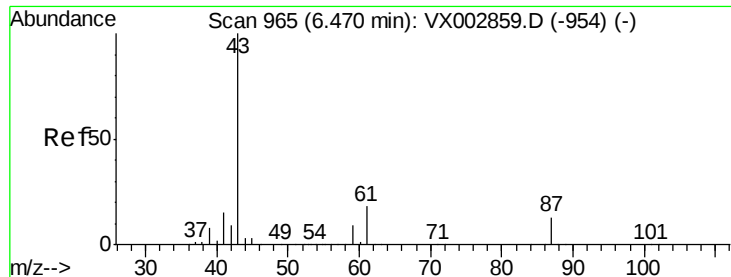
sam
7/6/2018 4:20:10 PM



#42
1,2-Dichloroethane
Concen: 47.24 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX003165.D
Acq: 05 Jul 2018 11:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		219094		
98	8.9	0.0	16.6		





#43

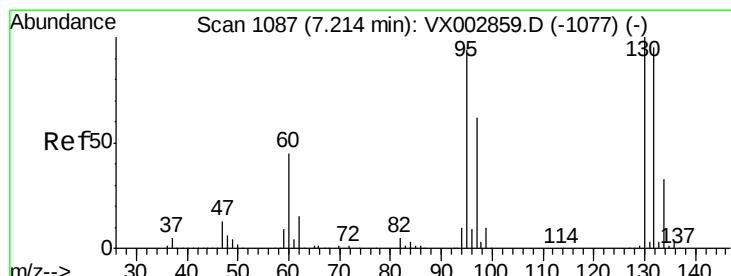
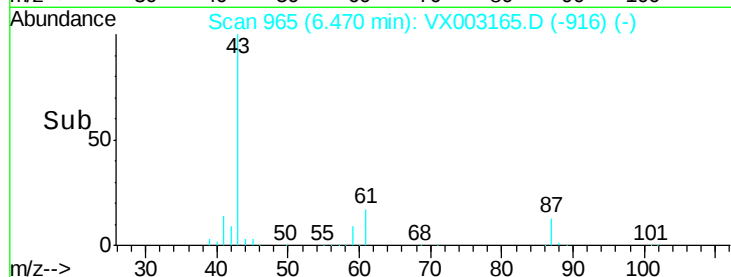
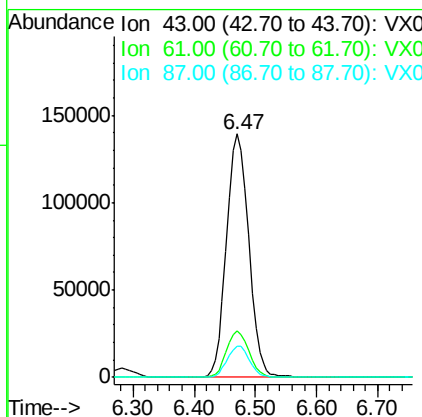
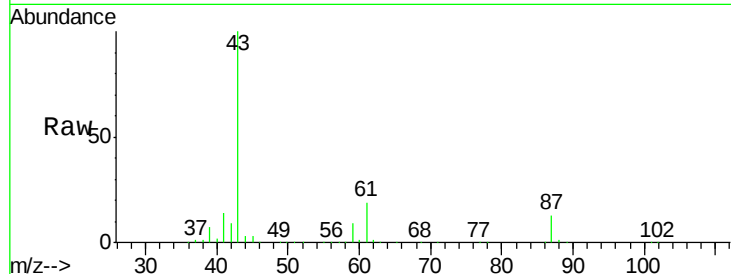
Isopropyl Acetate
 Concen: 48.90 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: VX003165.D
 Acq: 05 Jul 2018 11:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.0	14.4	21.6
87	12.8	9.5	14.3

Manual Integrations
 APPROVED

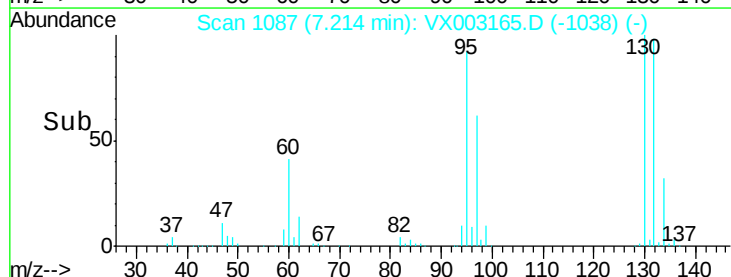
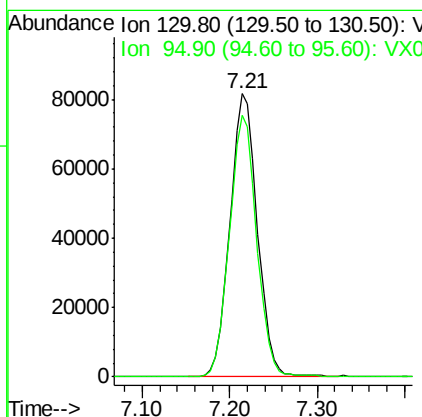
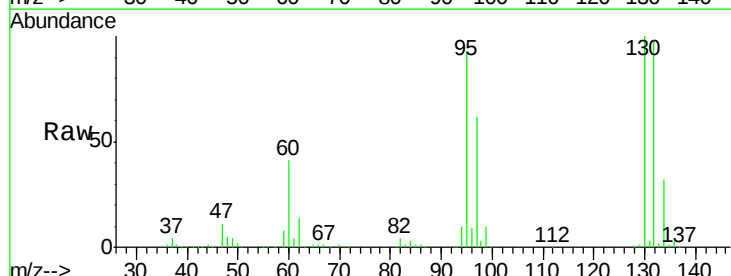
Sam
 7/6/2018 4:20:10 PM

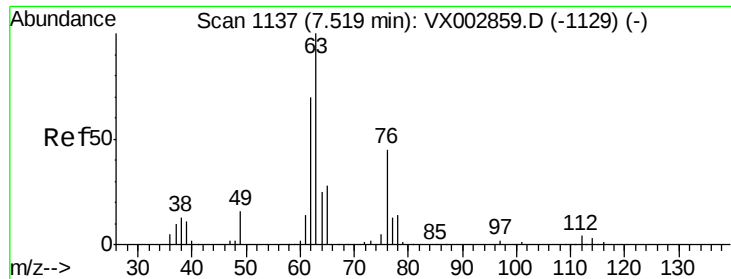


#44

Trichloroethene
 Concen: 52.03 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VX003165.D
 Acq: 05 Jul 2018 11:04

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.5	0.0	185.4





#45

1,2-Dichloropropane

Concen: 50.20 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VX003165.D

Acq: 05 Jul 2018 11:04

Tot Ion: 63 Resp: 152864

Ion Ratio Lower Upper

63 100

65 32.5 24.7 37.1

Instrument :

MSVOA_X

ClientSampleId :

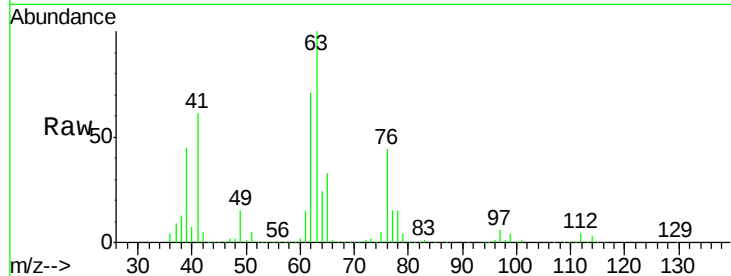
VSTDCCC050

Manual Integrations

APPROVED

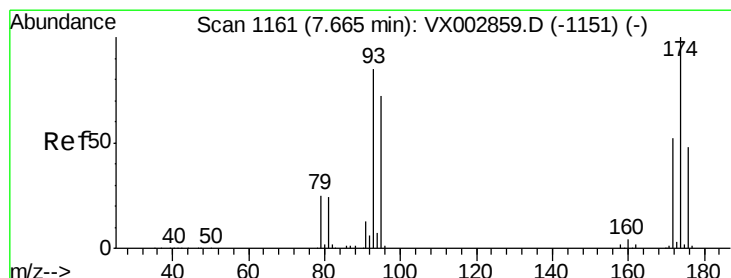
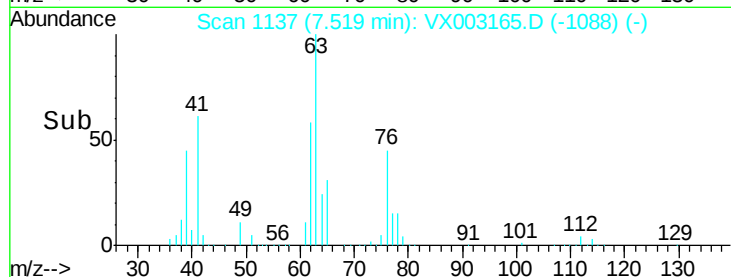
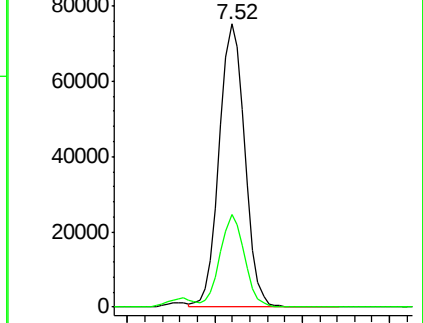
sam

7/6/2018 4:20:10 PM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 49.16 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX003165.D

Acq: 05 Jul 2018 11:04

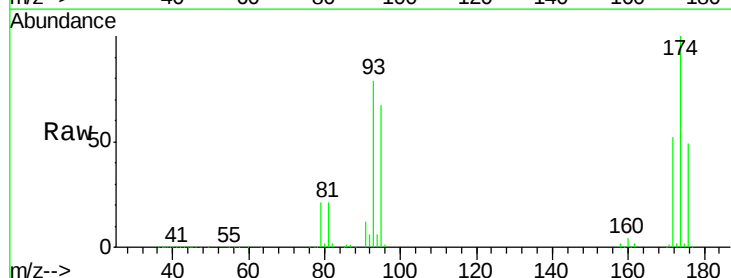
Tgt Ion: 93 Resp: 103896

Ion Ratio Lower Upper

93 100

95 84.7 65.9 98.9

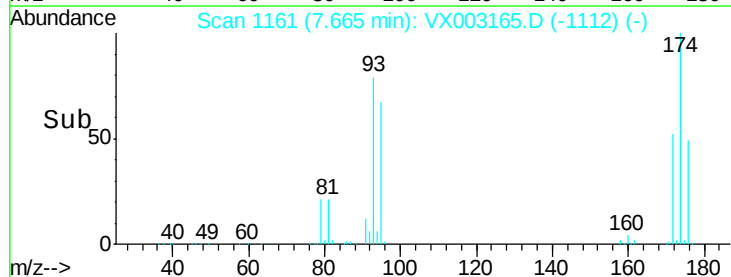
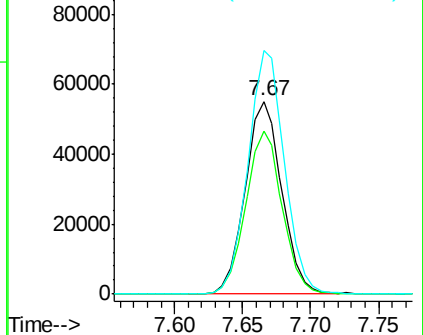
174 126.4 92.4 138.6



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 52.10 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003165.D

Acq: 05 Jul 2018 11:04

Instrument :

MSVOA_X

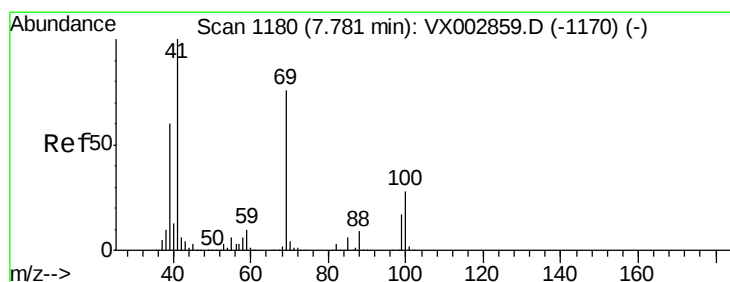
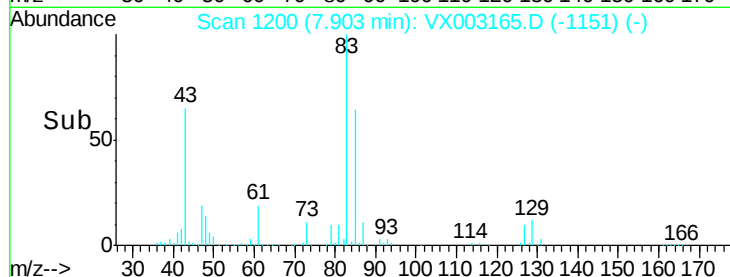
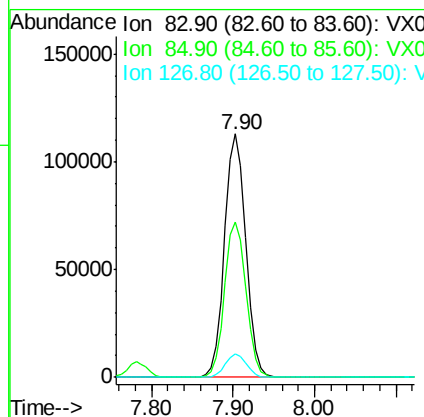
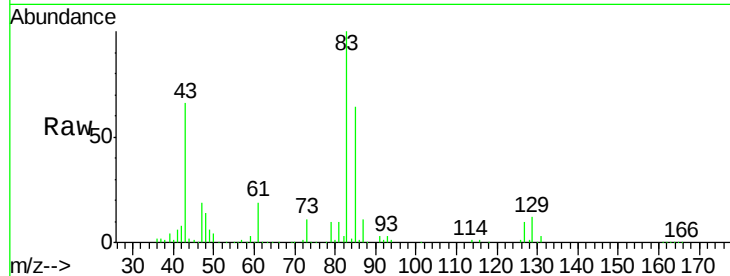
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	203574
Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.3	75.5
127	9.8	7.0	10.4

Manual Integrations
APPROVED

sam
7/6/2018 4:20:10 PM



#48

Methyl methacrylate

Concen: 48.85 ug/l

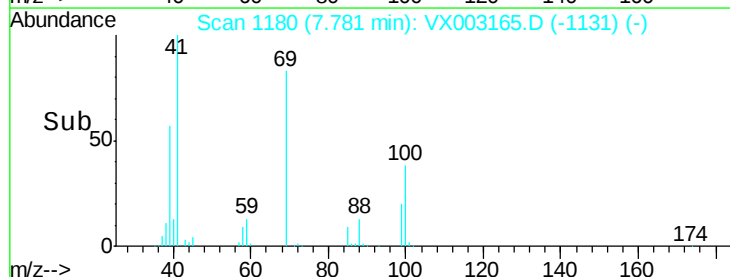
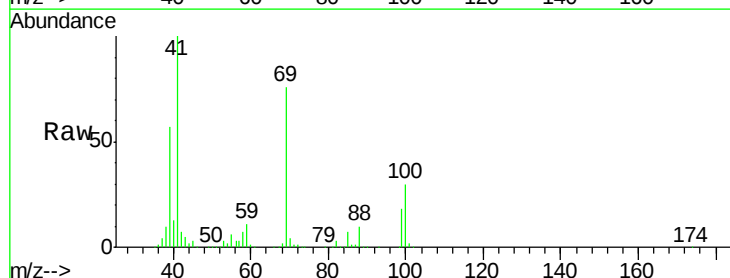
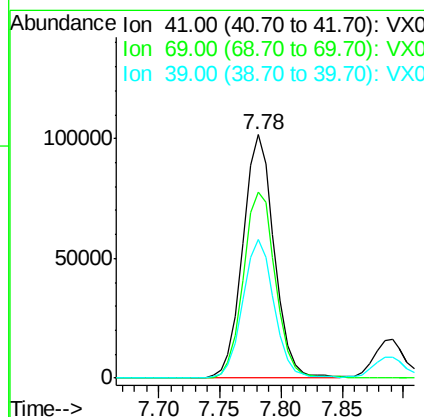
RT: 7.78 min Scan# 1180

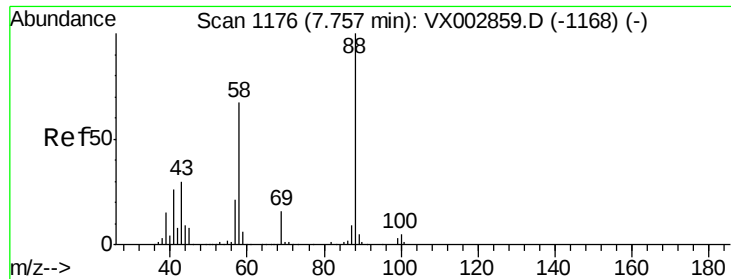
Delta R.T. 0.00 min

Lab File: VX003165.D

Acq: 05 Jul 2018 11:04

Tgt Ion:	41	Resp:	179606
Ion	Ratio	Lower	Upper
41	100		
69	79.3	59.1	88.7
39	56.8	48.9	73.3





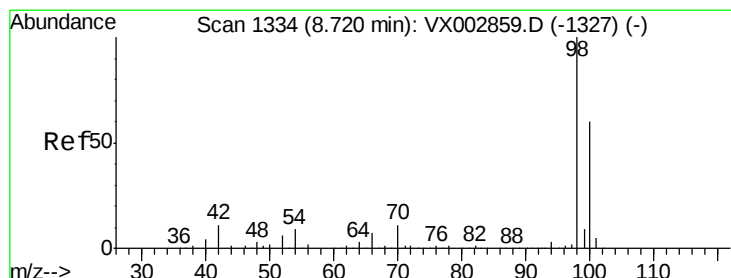
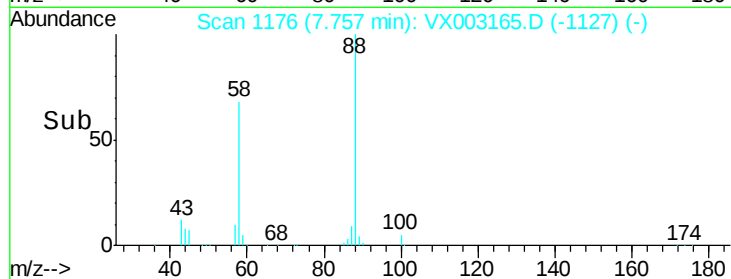
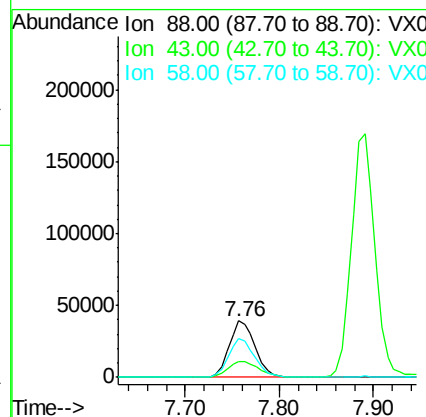
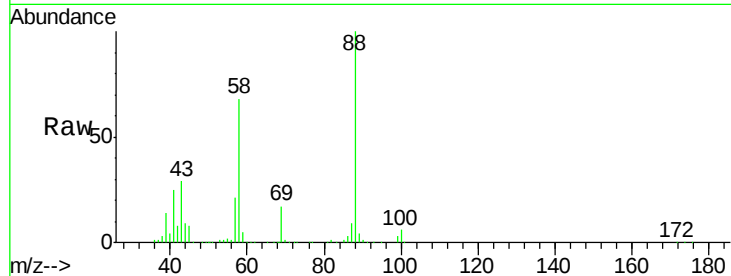
#49
1,4-Dioxane
Concen: 1041.34 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VX003165.D
Acq: 05 Jul 2018 11:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	74484
Ion Ratio	100	Lower	Upper
88	100		
43	33.6	29.8	44.6
58	69.1	57.1	85.7

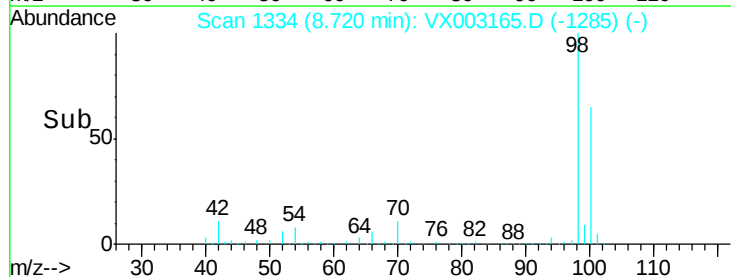
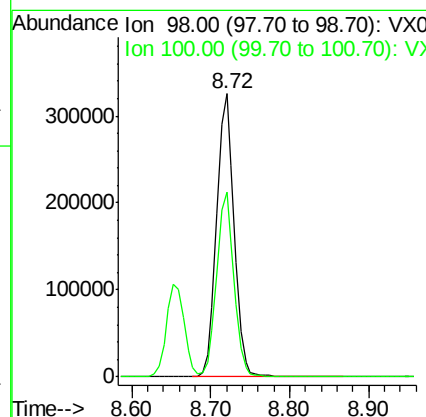
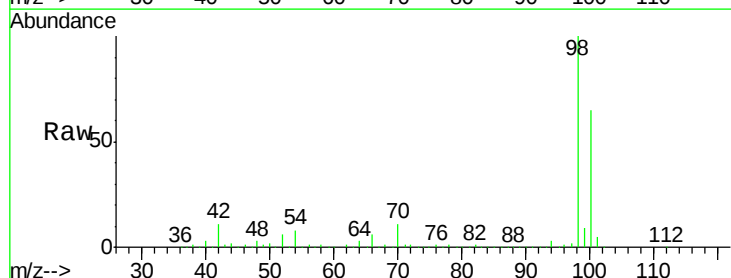
Manual Integrations
APPROVED

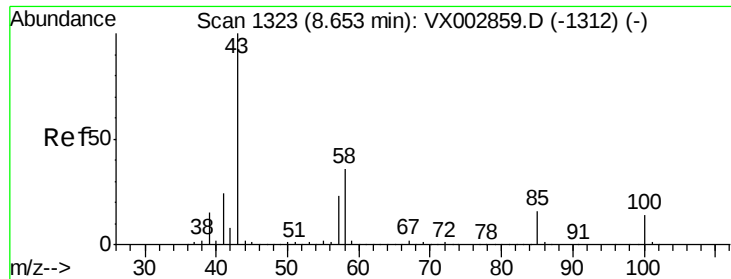
Sam
7/6/2018 4:20:10 PM



#50
Toluene-d8
Concen: 48.45 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003165.D
Acq: 05 Jul 2018 11:04

Tgt Ion	98	Resp	504835
Ion Ratio	100	Lower	Upper
98	100		
100	64.4	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 249.10 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX003165.D

Acq: 05 Jul 2018 11:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1112015

Ion Ratio Lower Upper

43 100

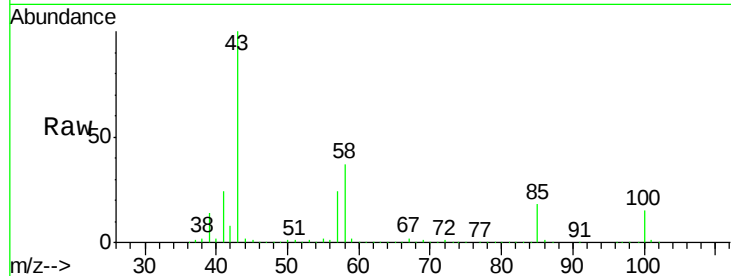
58 37.2 28.6 42.8

Manual Integrations

APPROVED

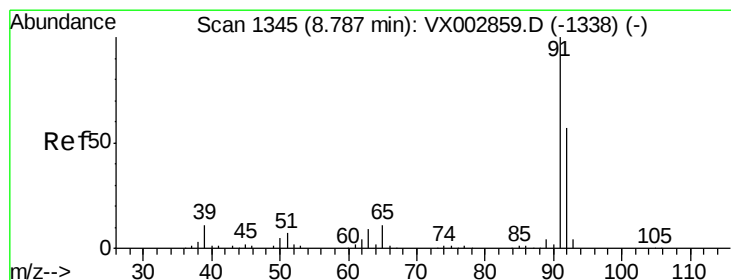
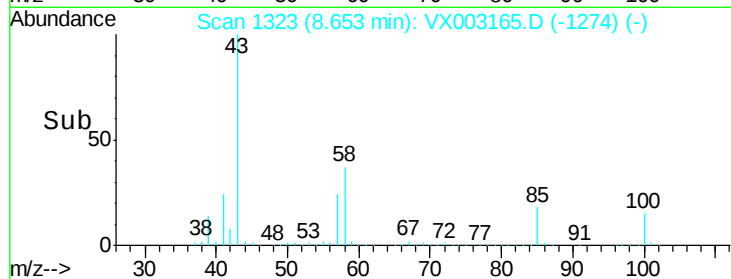
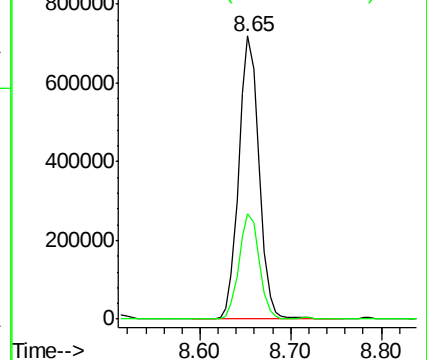
sam

7/6/2018 4:20:10 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 52.58 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003165.D

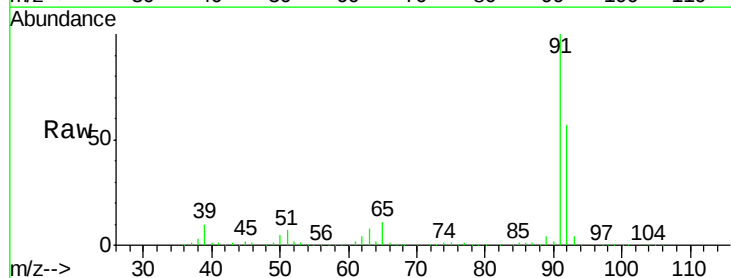
Acq: 05 Jul 2018 11:04

Tgt Ion: 92 Resp: 386700

Ion Ratio Lower Upper

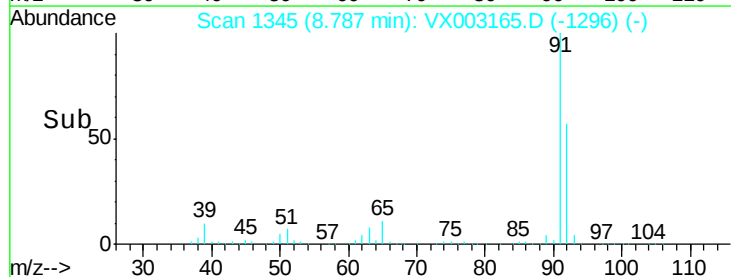
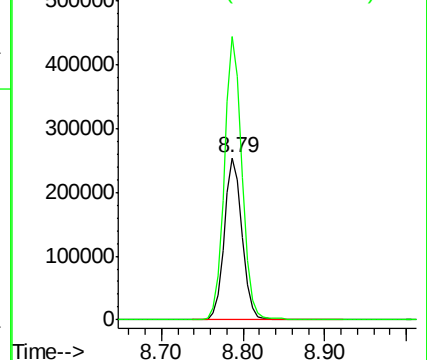
92 100

91 173.3 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





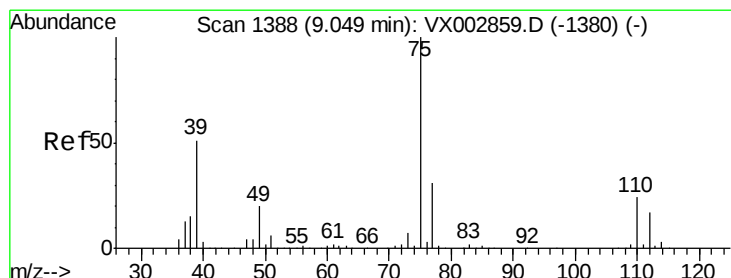
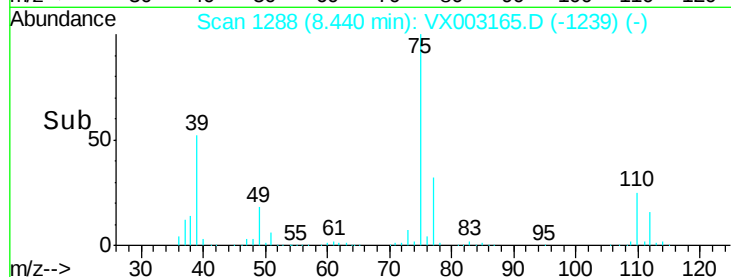
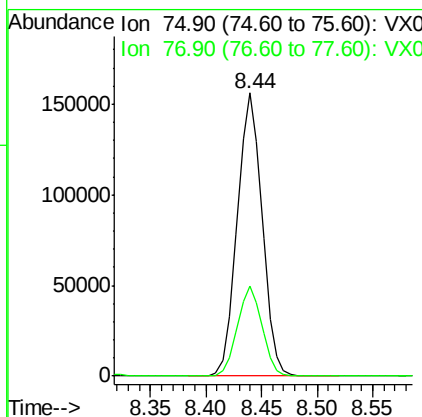
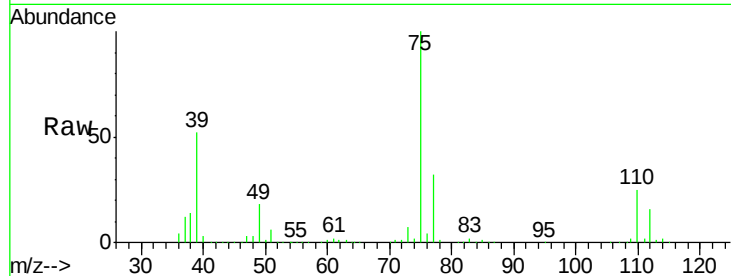
#53
t-1,3-Dichloropropene
Concen: 54.81 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX003165.D
Acq: 05 Jul 2018 11:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 242525
Ion Ratio Lower Upper
75 100
77 31.7 25.4 38.2

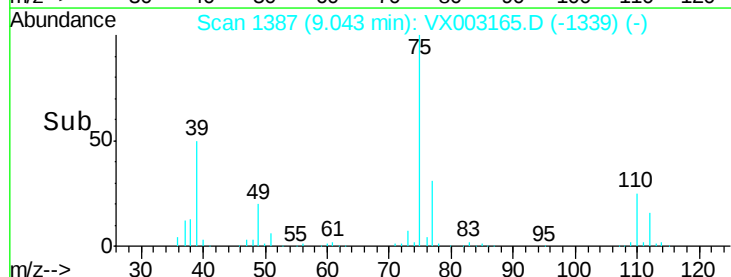
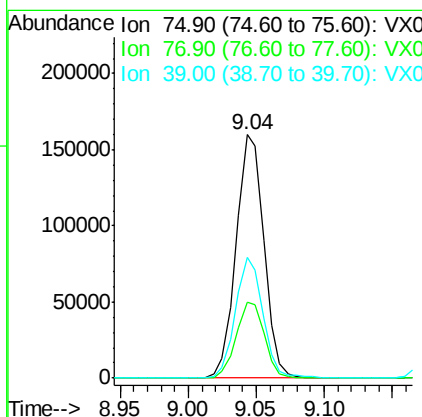
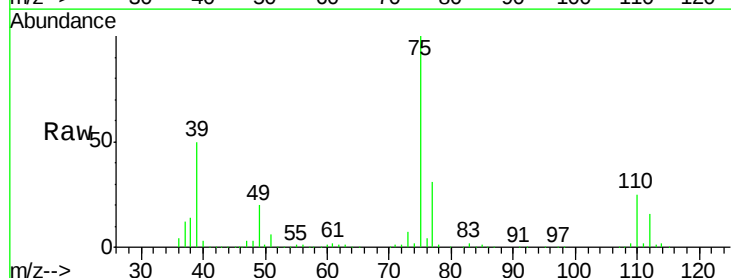
Manual Integrations
APPROVED

sam
7/6/2018 4:20:10 PM



#54
cis-1,3-Dichloropropene
Concen: 53.45 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.01 min
Lab File: VX003165.D
Acq: 05 Jul 2018 11:04

Tgt Ion: 75 Resp: 227581
Ion Ratio Lower Upper
75 100
77 31.3 24.8 37.2
39 49.7 42.4 63.6





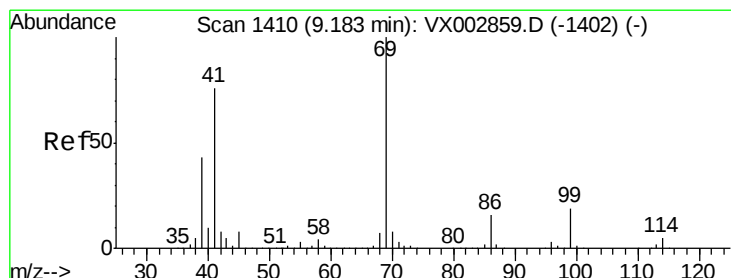
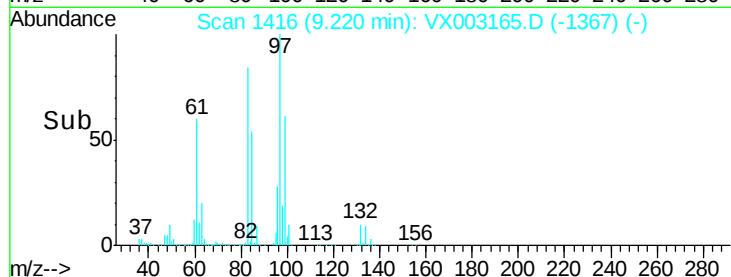
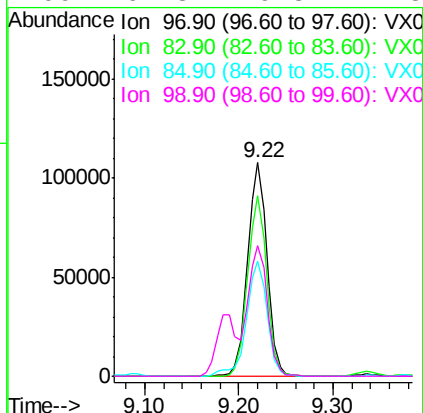
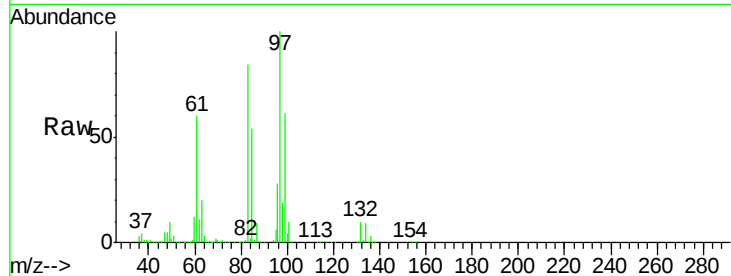
#55
 1,1,2-Trichloroethane
 Concen: 51.58 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003165.D
 Acq: 05 Jul 2018 11:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.5	70.2	105.2
85	54.2	44.9	67.3
99	61.3	49.8	74.8

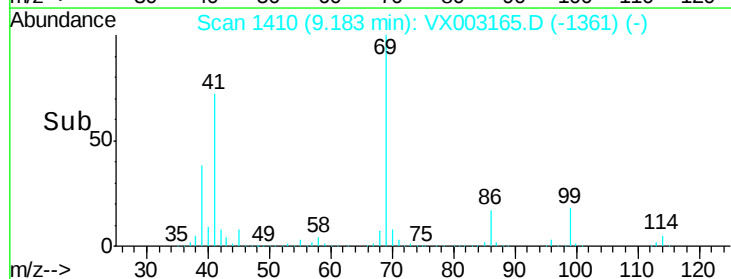
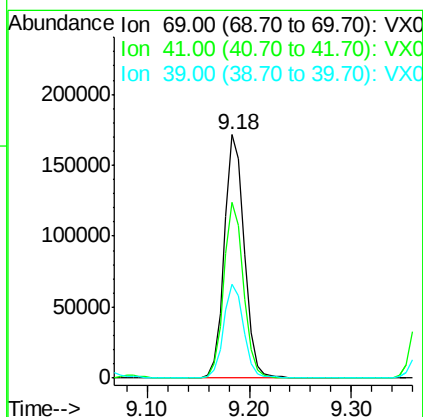
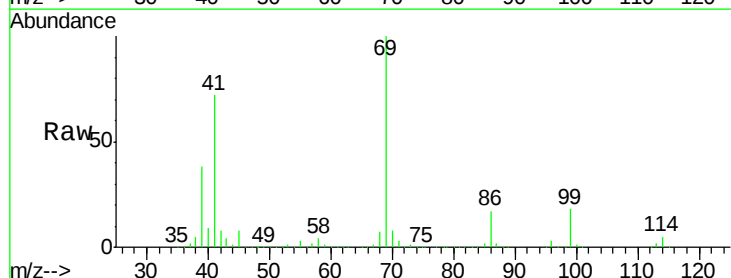
Manual Integrations
 APPROVED

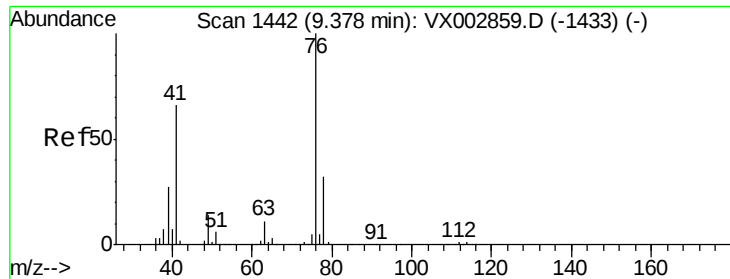
sam
 7/6/2018 4:20:10 PM



#56
 Ethyl methacrylate
 Concen: 52.76 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003165.D
 Acq: 05 Jul 2018 11:04

Tgt Ion	Ratio	Lower	Upper
69	100		
41	71.2	60.3	90.5
39	38.7	35.8	53.8





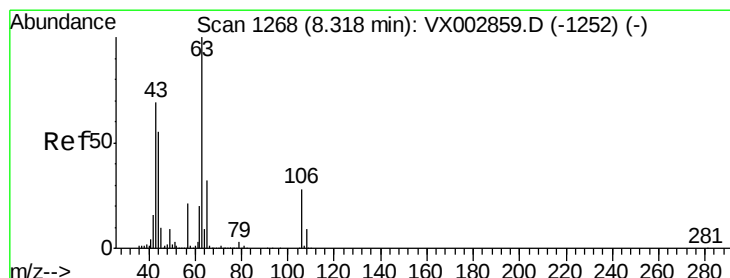
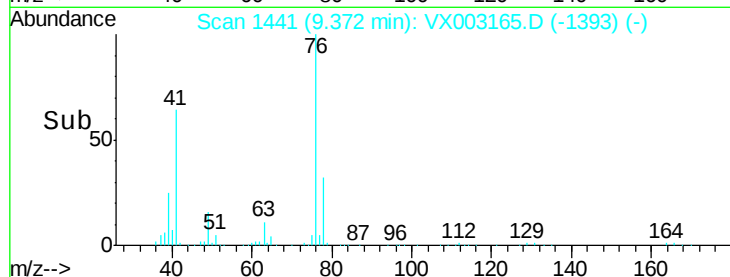
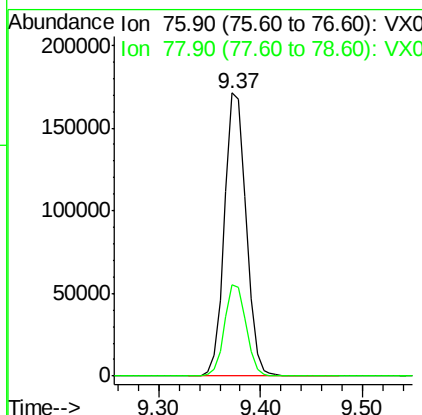
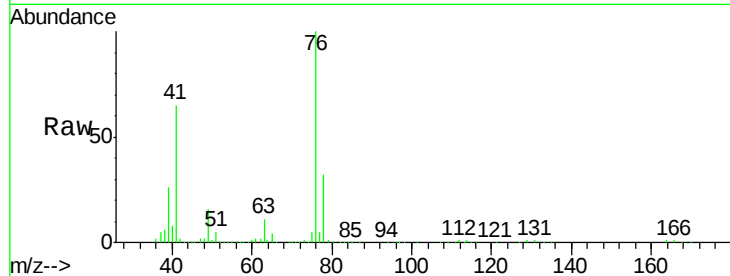
#57
 1,3-Dichloropropane
 Concen: 50.71 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: VX003165.D
 Acq: 05 Jul 2018 11:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.6

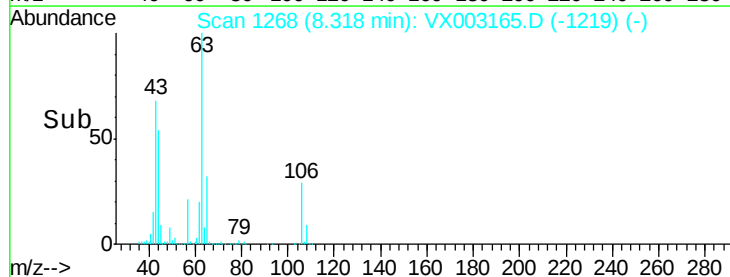
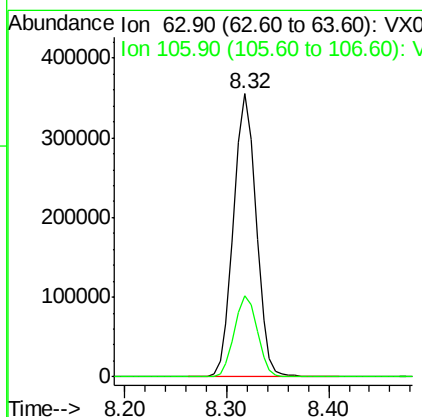
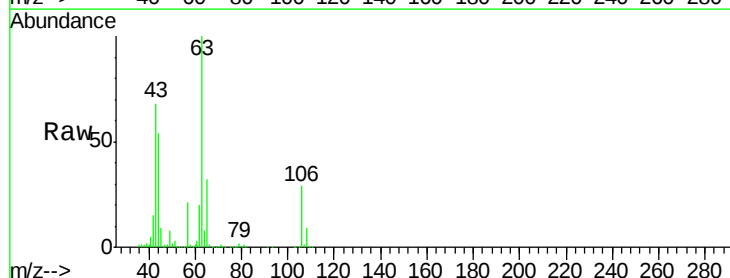
Manual Integrations
 APPROVED

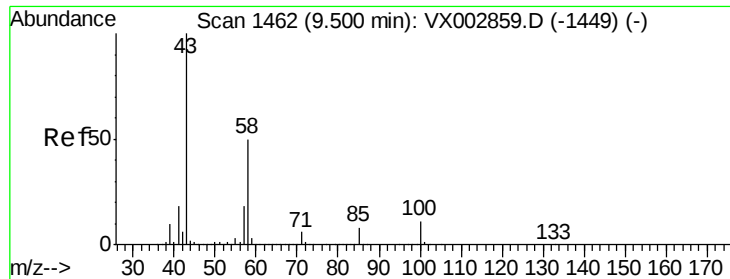
sam
 7/6/2018 4:20:10 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 255.92 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VX003165.D
 Acq: 05 Jul 2018 11:04

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.1	21.8	32.8





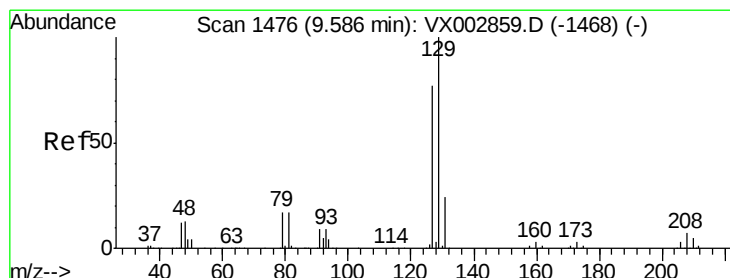
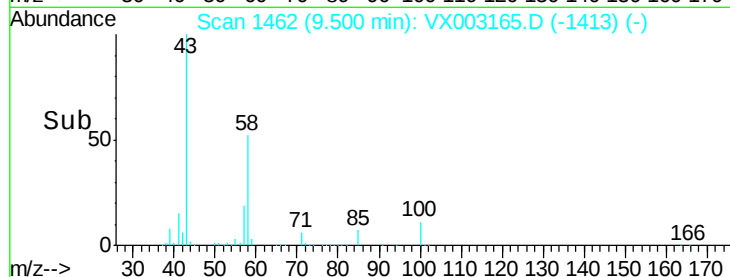
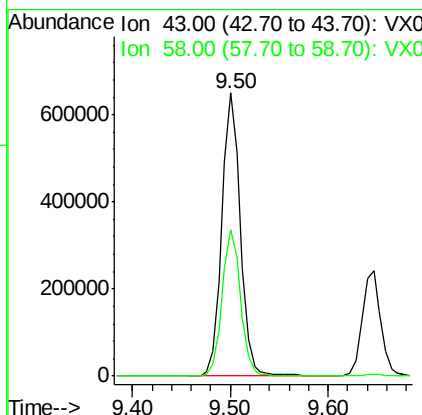
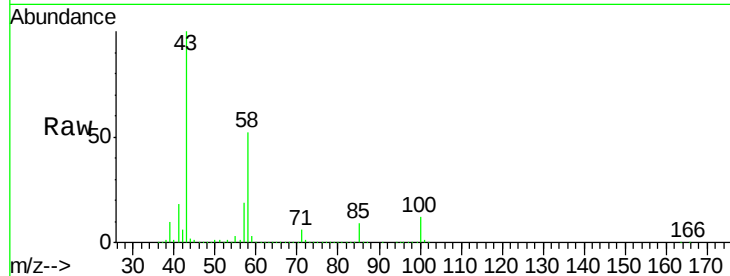
#59
2-Hexanone
Concen: 251.13 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003165.D
Acq: 05 Jul 2018 11:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 852019
Ion Ratio Lower Upper
43 100
58 51.6 24.6 73.6

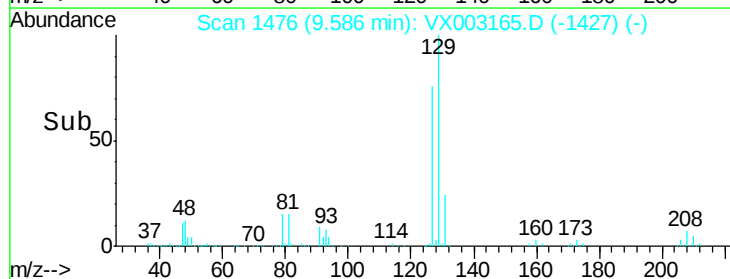
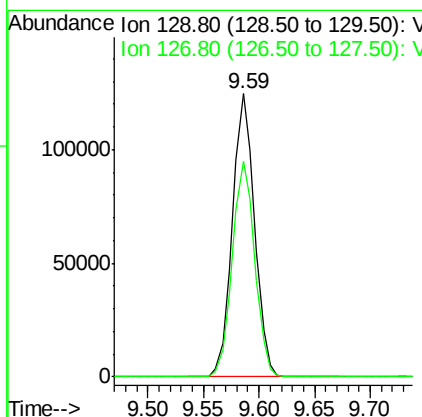
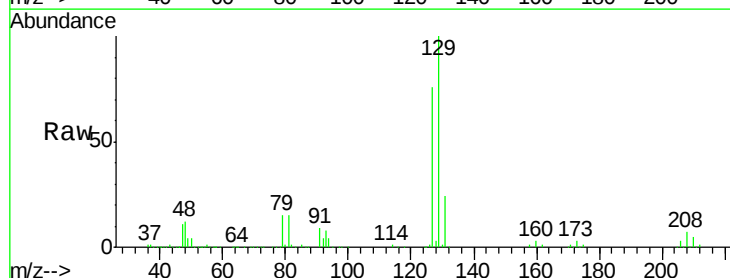
Manual Integrations
APPROVED

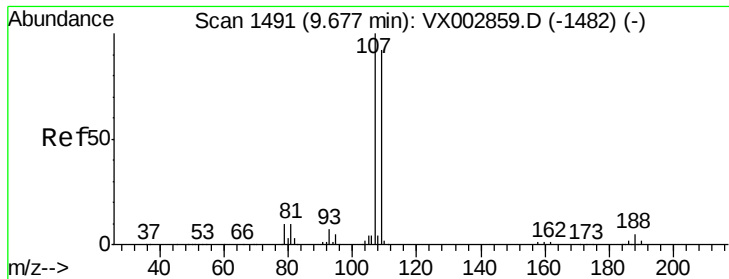
sam
7/6/2018 4:20:10 PM



#60
Dibromochloromethane
Concen: 53.99 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003165.D
Acq: 05 Jul 2018 11:04

Tgt Ion: 129 Resp: 171776
Ion Ratio Lower Upper
129 100
127 77.3 38.5 115.3





#61

1,2-Dibromoethane

Concen: 52.15 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003165.D

Acq: 05 Jul 2018 11:04

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 107 Resp: 165330

Ion Ratio Lower Upper

107 100

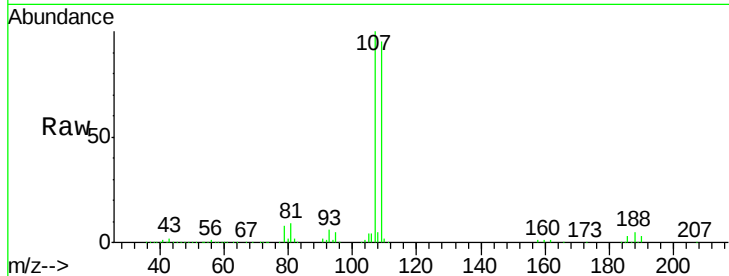
109 94.7 75.3 112.9

Manual Integrations

APPROVED

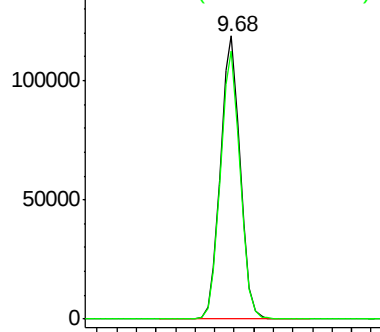
sam

7/6/2018 4:20:10 PM

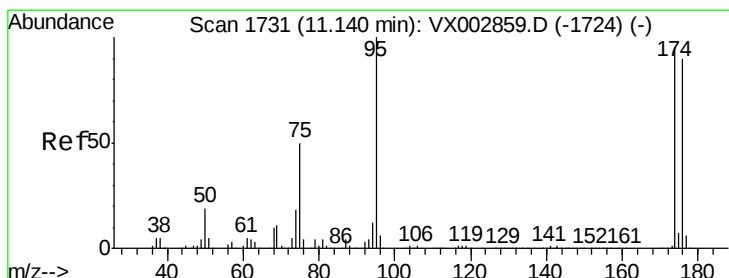
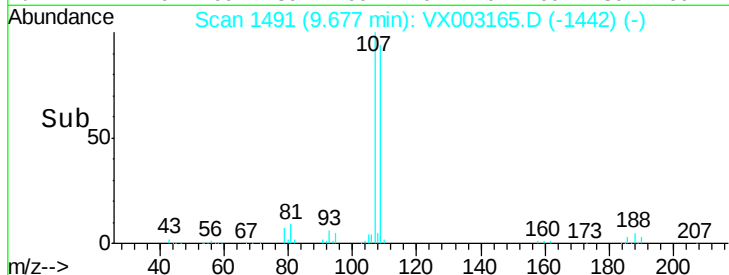


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 49.77 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003165.D

Acq: 05 Jul 2018 11:04

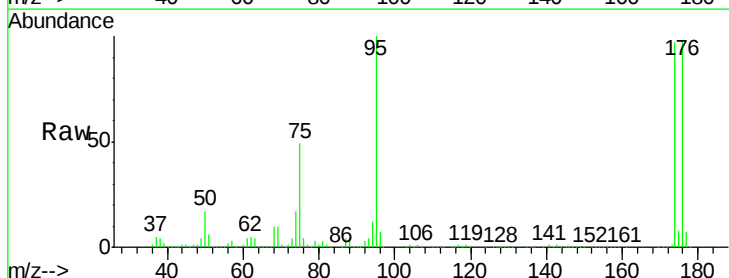
Tgt Ion: 95 Resp: 200005

Ion Ratio Lower Upper

95 100

174 99.9 0.0 187.4

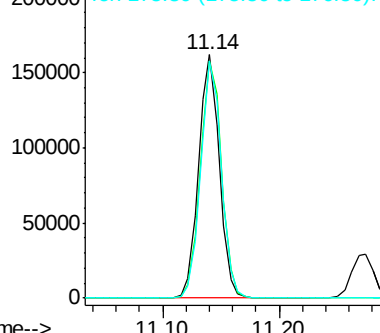
176 97.4 0.0 181.0



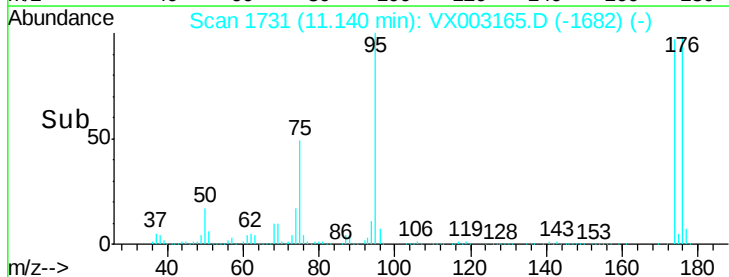
Abundance Ion 94.90 (94.60 to 95.60): VX0

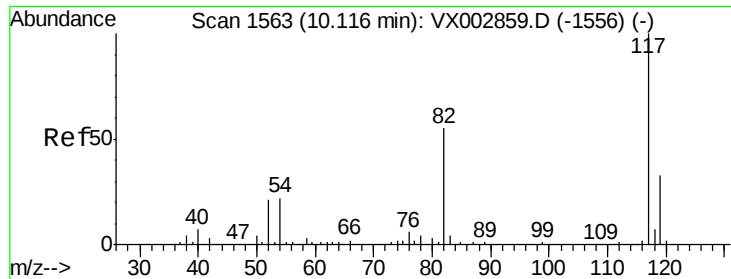
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





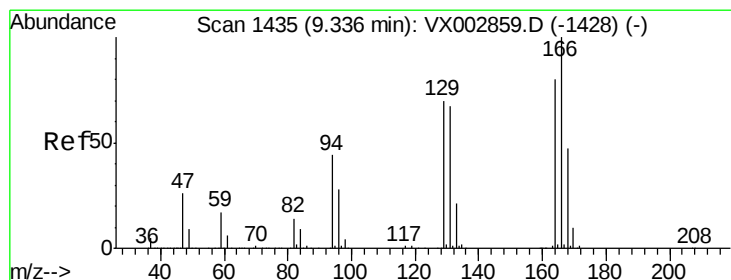
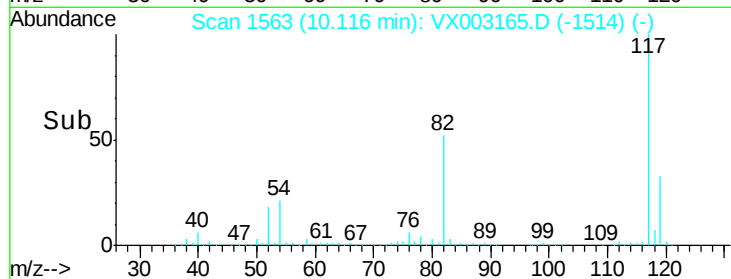
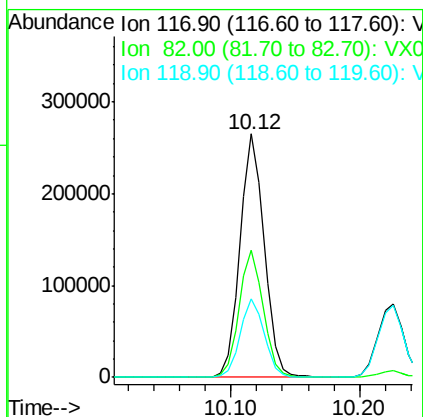
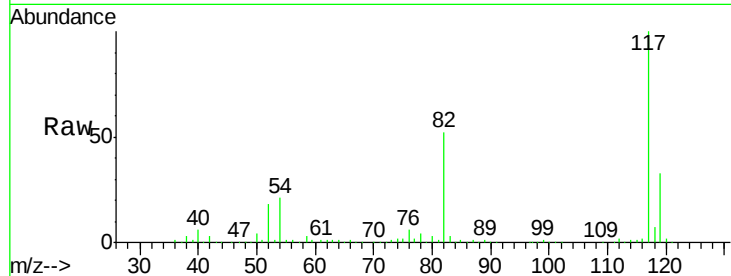
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003165.D
Acq: 05 Jul 2018 11:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.1	45.0	67.4
119	32.5	25.8	38.6

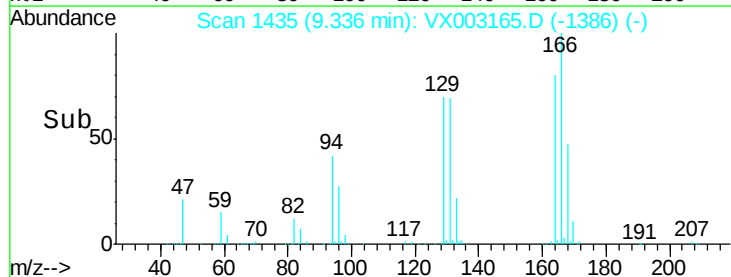
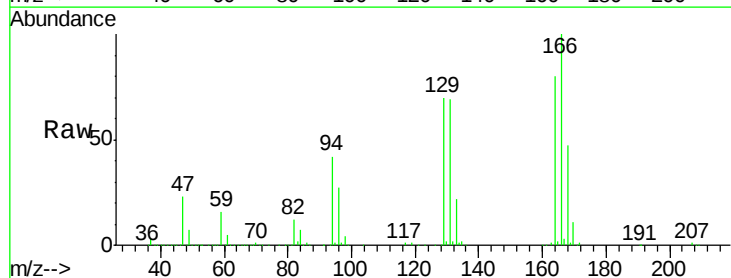
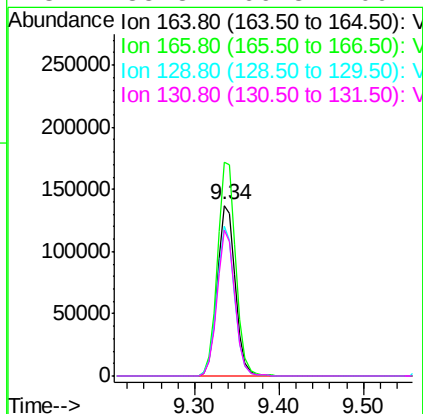
Manual Integrations
APPROVED

sam
7/6/2018 4:20:10 PM



#64
Tetrachloroethene
Concen: 52.50 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX003165.D
Acq: 05 Jul 2018 11:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.2	102.9	154.3
129	87.8	68.6	102.8
131	85.8	66.8	100.2





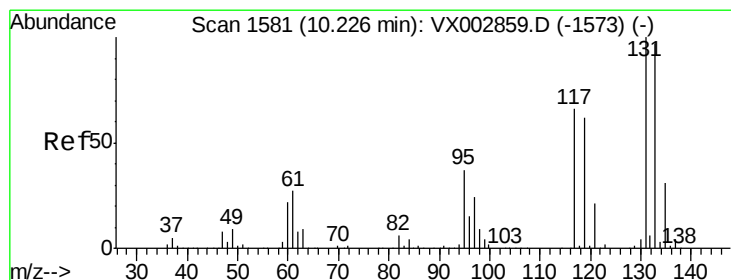
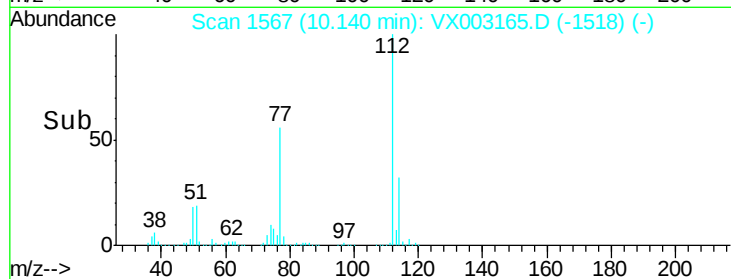
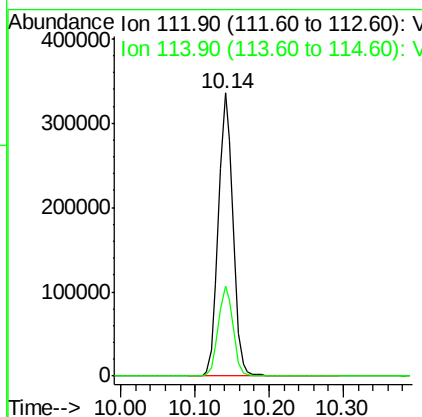
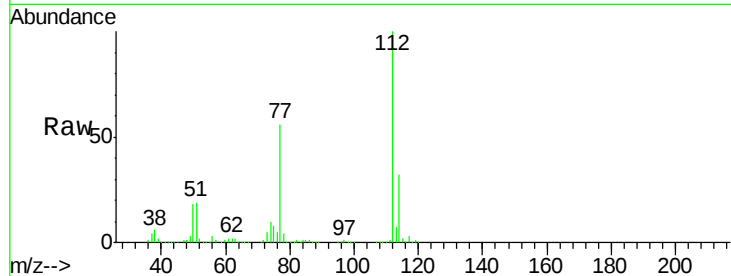
#65
Chlorobenzene
Concen: 51.44 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003165.D
Acq: 05 Jul 2018 11:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 451070
Ion Ratio Lower Upper
112 100
114 32.0 25.3 37.9

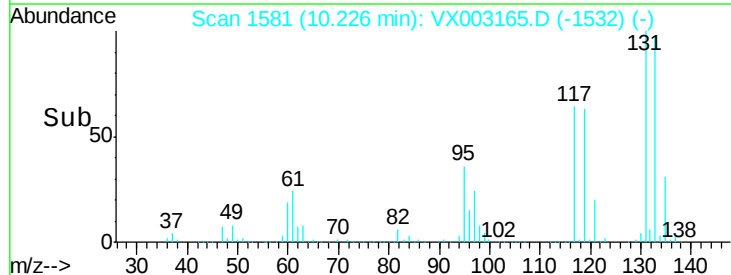
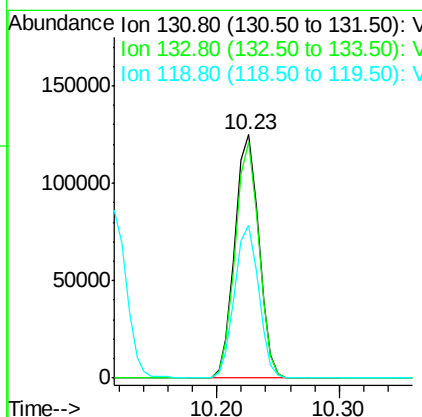
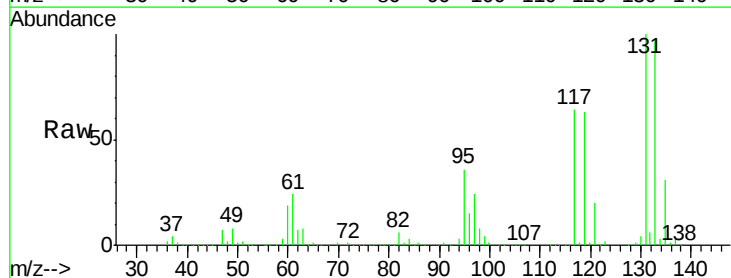
Manual Integrations
APPROVED

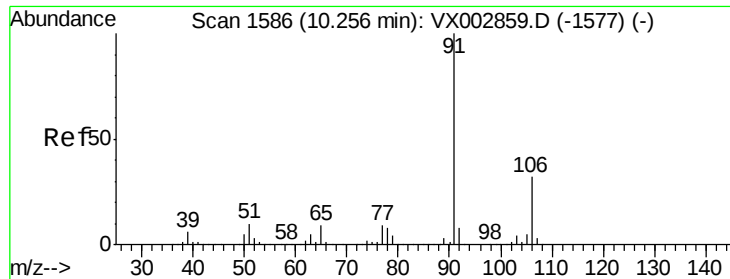
sam
7/6/2018 4:20:10 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 53.33 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003165.D
Acq: 05 Jul 2018 11:04

Tgt Ion:131 Resp: 169856
Ion Ratio Lower Upper
131 100
133 94.9 47.9 143.6
119 63.2 31.8 95.3





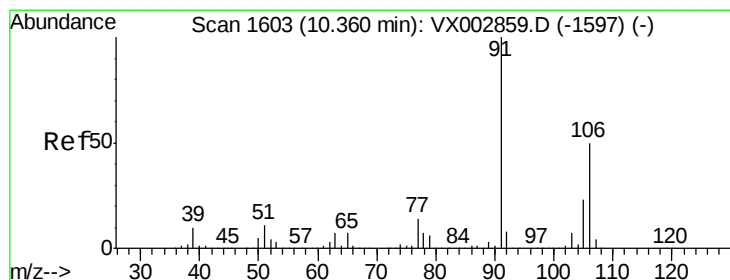
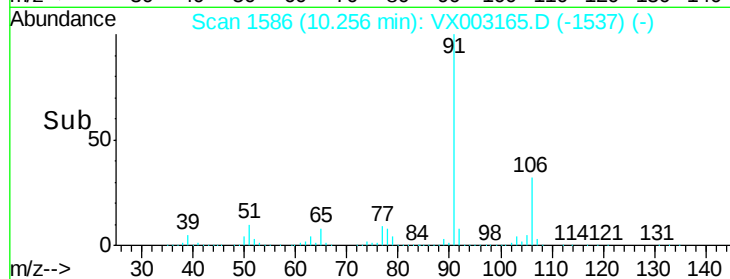
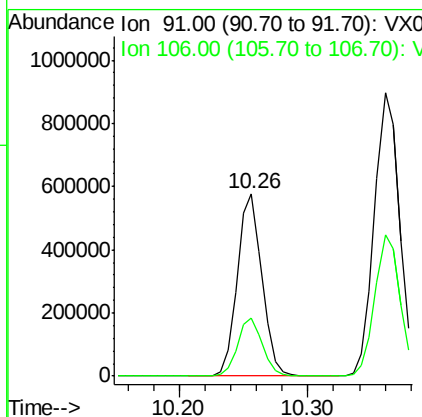
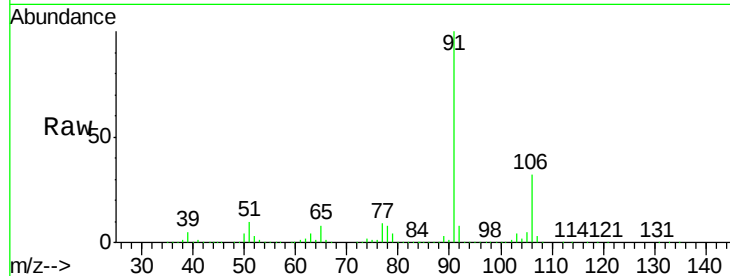
#67
Ethyl Benzene
Concen: 52.92 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003165.D
Acq: 05 Jul 2018 11:04

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 766505
Ion Ratio Lower Upper
91 100
106 31.8 25.5 38.3

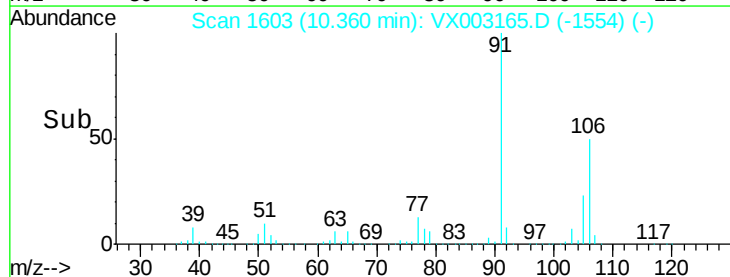
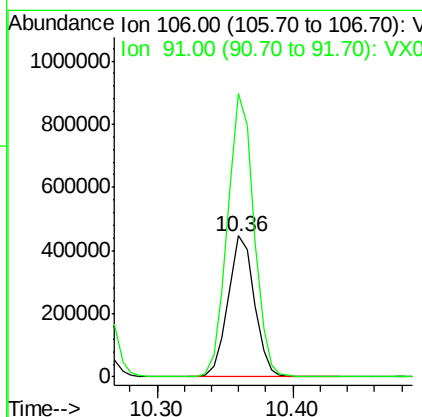
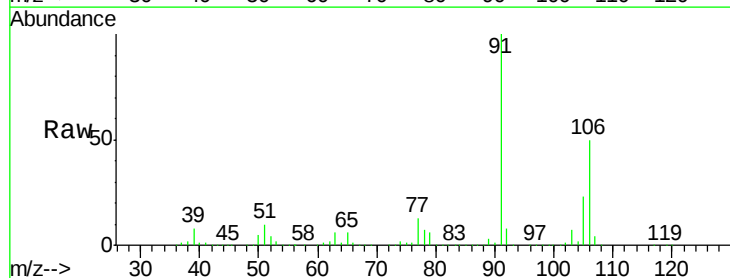
Manual Integrations
APPROVED

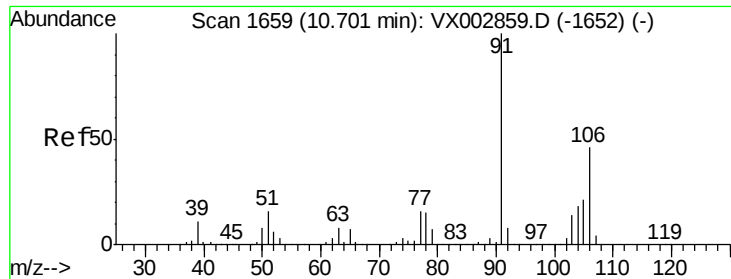
sam
7/6/2018 4:20:10 PM



#68
m/p-Xylenes
Concen: 107.67 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003165.D
Acq: 05 Jul 2018 11:04

Tgt Ion: 106 Resp: 601058
Ion Ratio Lower Upper
106 100
91 201.3 163.4 245.2





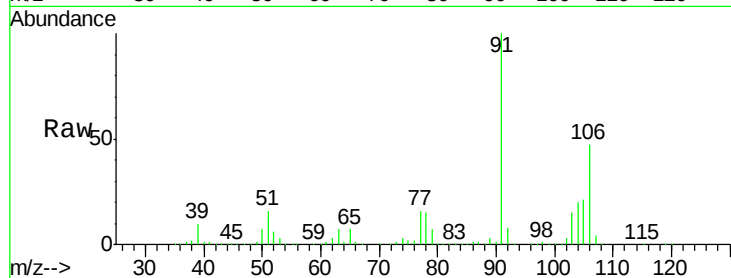
#69
o-Xylene
Concen: 53.28 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003165.D
Acq: 05 Jul 2018 11:04

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

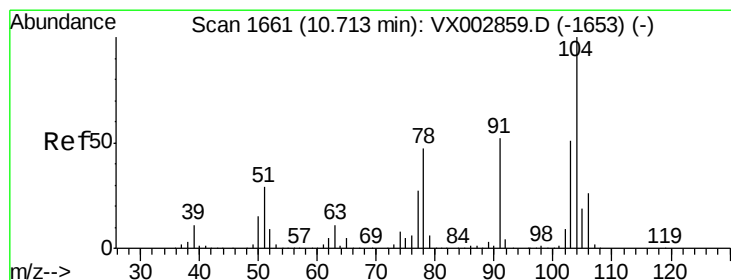
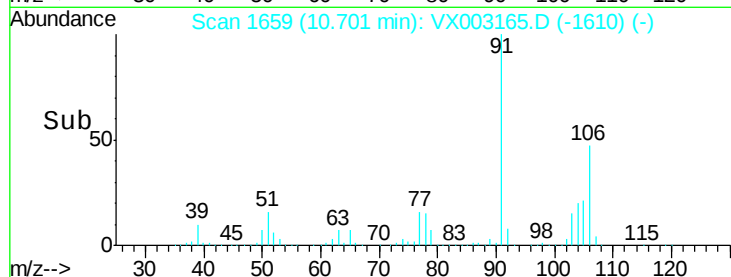
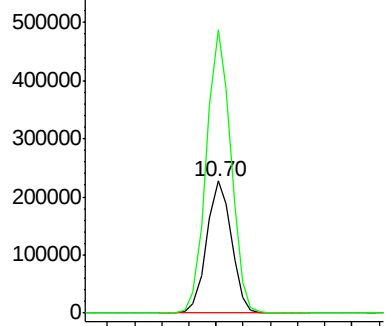
Tot Ion:106 Resp: 289630
Ion Ratio Lower Upper
106 100
91 211.9 108.2 324.6

Manual Integrations
APPROVED

sam
7/6/2018 4:20:10 PM

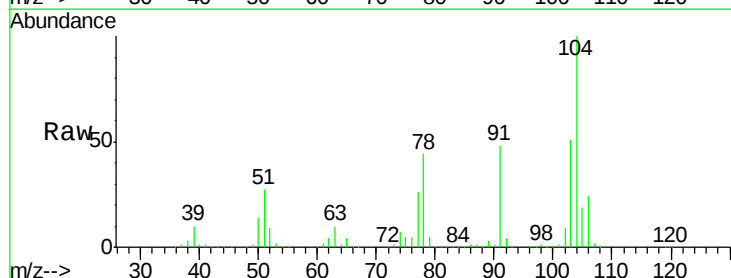


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

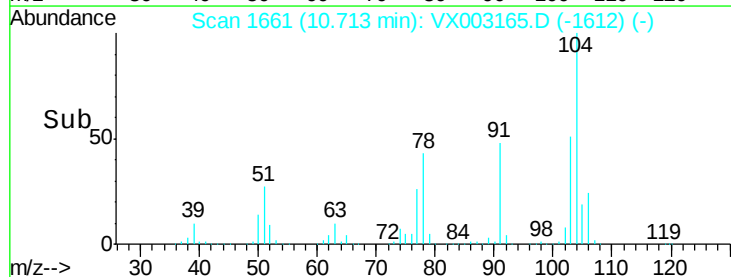
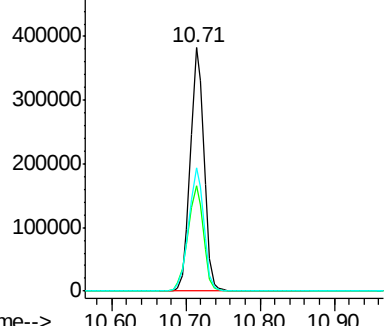


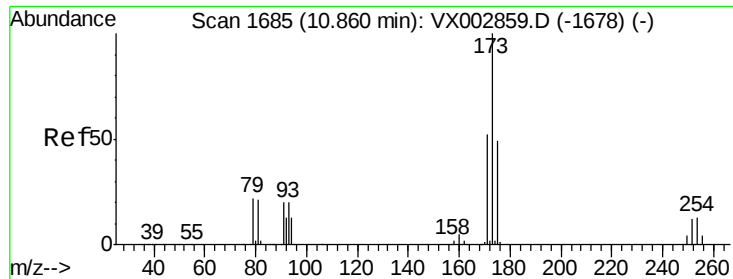
#70
Styrene
Concen: 55.20 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003165.D
Acq: 05 Jul 2018 11:04

Tgt Ion:104 Resp: 487544
Ion Ratio Lower Upper
104 100
78 48.8 41.0 61.6
103 55.5 44.2 66.4



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





#71

Bromoform

Concen: 50.18 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003165.D

Acq: 05 Jul 2018 11:04

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion:173 Resp: 144466

Ion Ratio Lower Upper

173 100

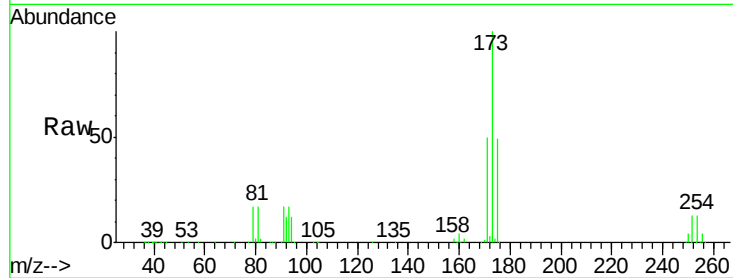
175 49.5 24.7 74.1

254 0.2 0.2 0.2

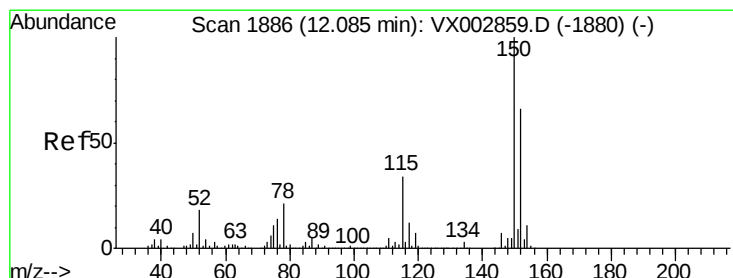
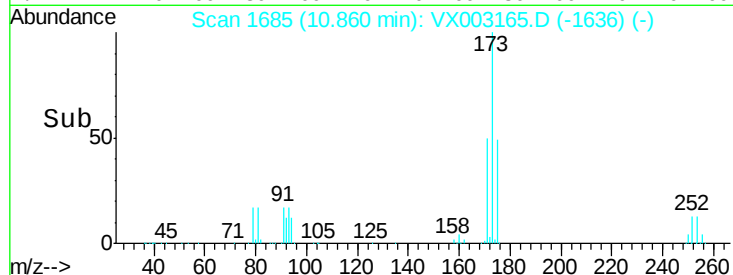
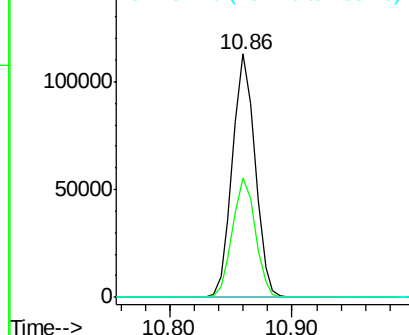
Manual Integrations
APPROVED

sam

7/6/2018 4:20:10 PM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX003165.D

Acq: 05 Jul 2018 11:04

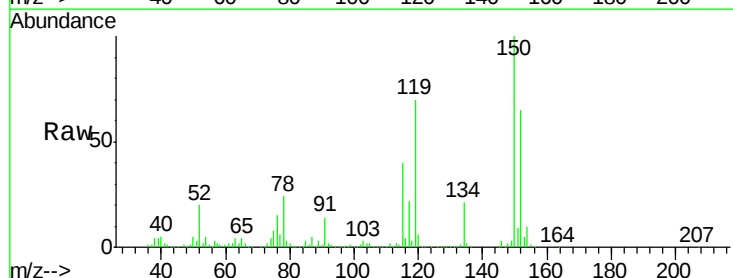
Tgt Ion:152 Resp: 224300

Ion Ratio Lower Upper

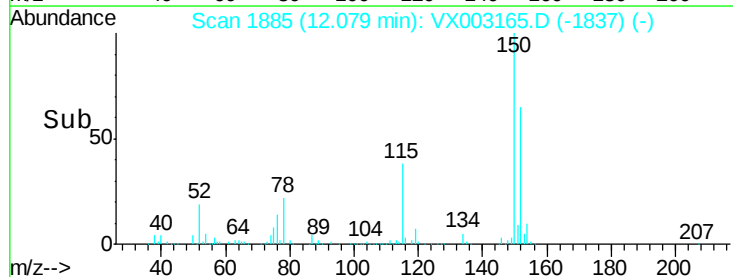
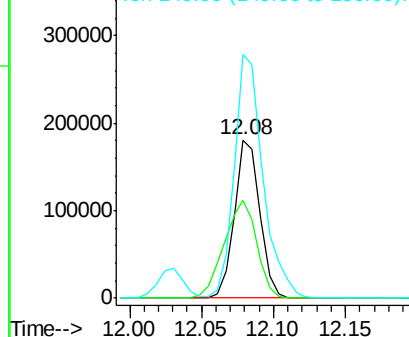
152 100

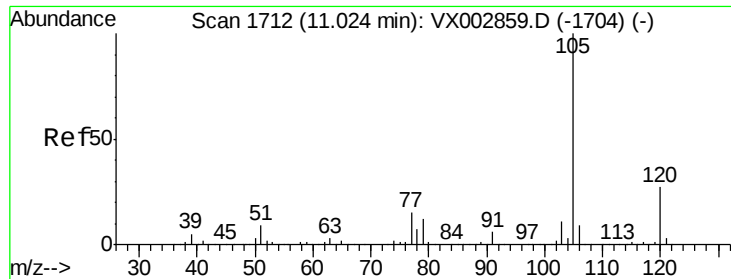
115 78.9 40.1 120.2

150 174.3 0.0 347.2



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





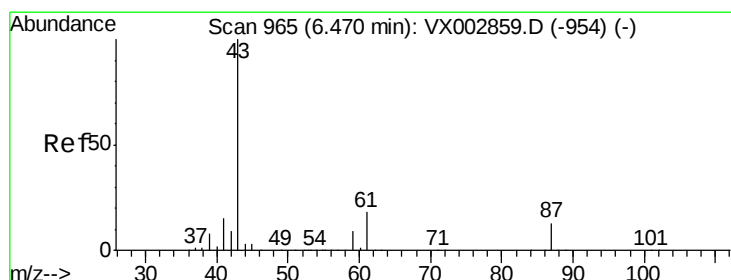
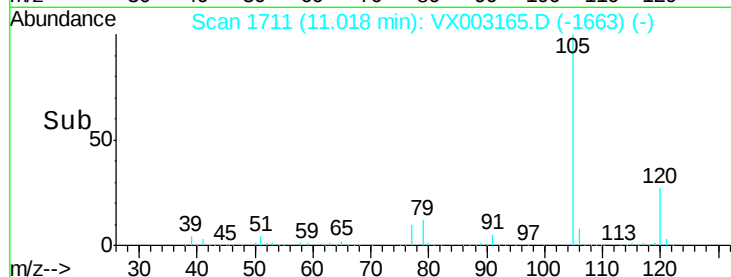
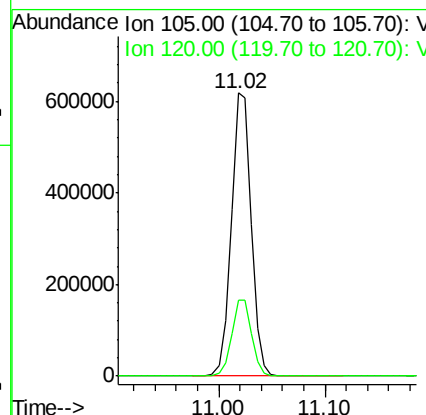
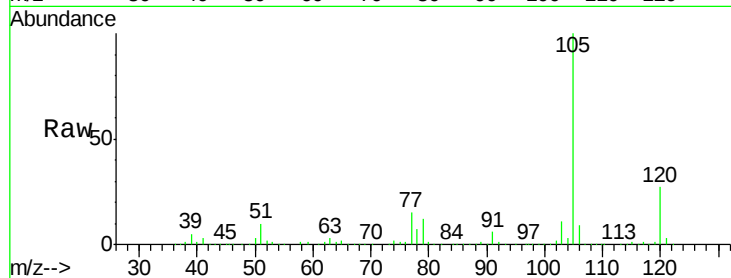
#73
Isopropylbenzene
Concen: 53.53 ug/l
RT: 11.02 min Scan# 1711
Delta R.T. -0.01 min
Lab File: VX003165.D
Acq: 05 Jul 2018 11:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:105 Resp: 807745
Ion Ratio Lower Upper
105 100
120 27.1 13.5 40.4

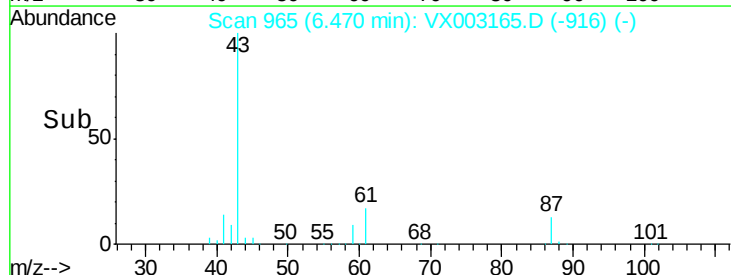
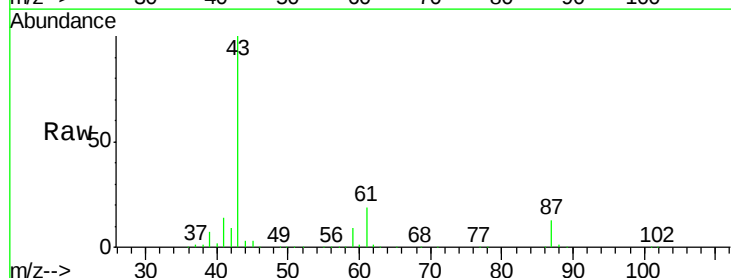
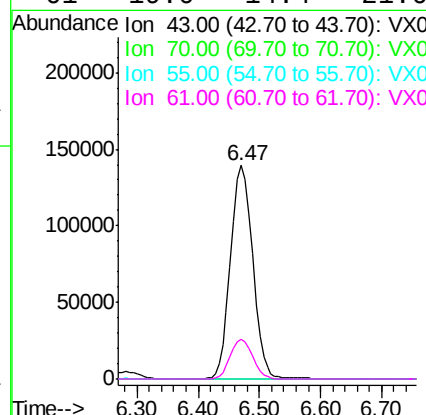
Manual Integrations
APPROVED

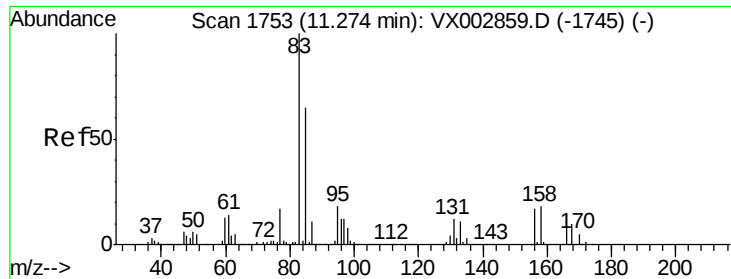
sam
7/6/2018 4:20:10 PM



#74
N-ethyl acetate
Concen: 47.26 ug/l
RT: 6.47 min Scan# 965
Delta R.T. 0.00 min
Lab File: VX003165.D
Acq: 05 Jul 2018 11:04

Tgt Ion: 43 Resp: 348933
Ion Ratio Lower Upper
43 100
70 0.0 0.0 0.0
55 0.0 0.0 0.0
61 19.0 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 49.84 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX003165.D

Acq: 05 Jul 2018 11:04

Instrument :

MSVOA_X

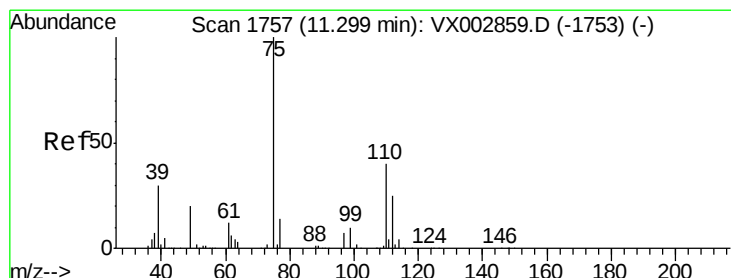
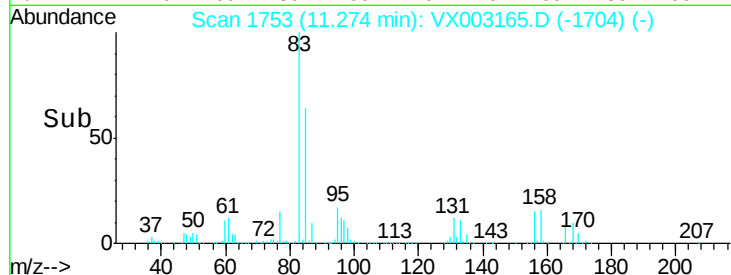
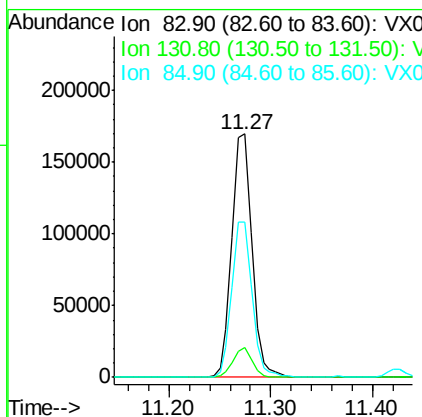
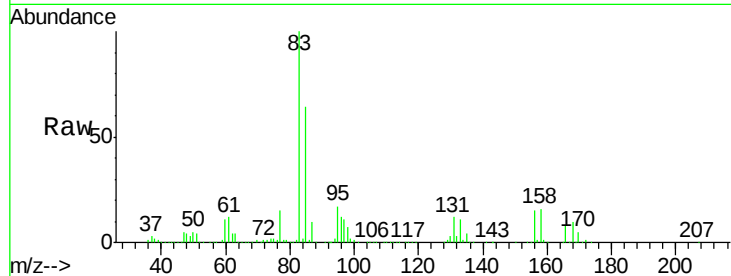
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	231645
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.6	16.8
85	64.6	32.4	97.2

Manual Integrations
APPROVED

sam
7/6/2018 4:20:10 PM



#76

1,2,3-Trichloropropane

Concen: 50.92 ug/l m

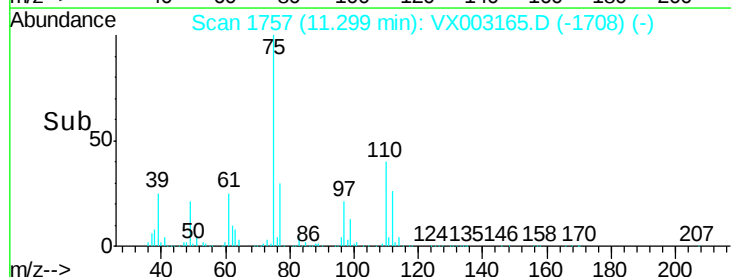
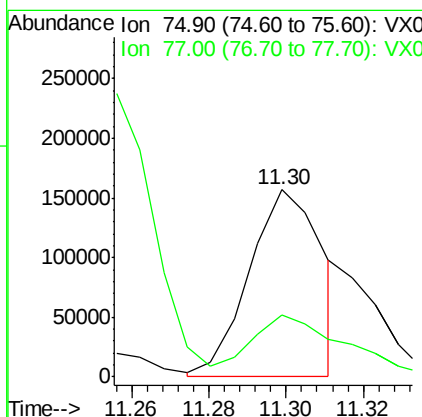
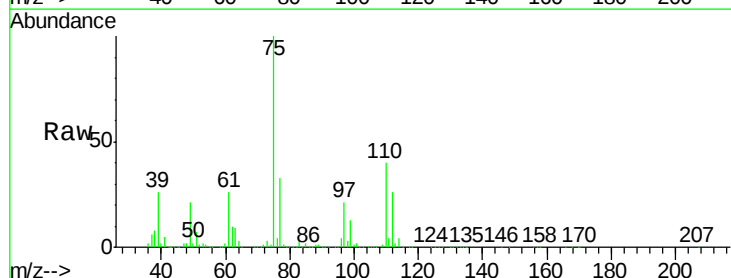
RT: 11.30 min Scan# 1757

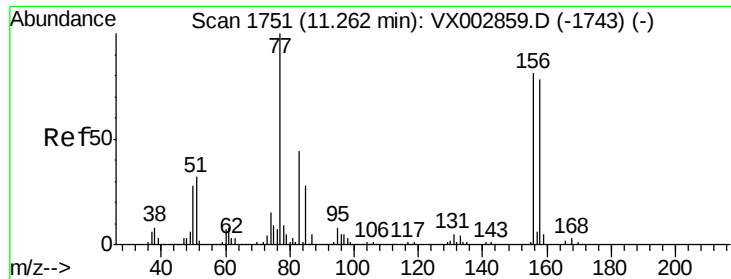
Delta R.T. 0.00 min

Lab File: VX003165.D

Acq: 05 Jul 2018 11:04

Tgt Ion:	75	Resp:	206882
Ion Ratio	Lower	Upper	
75	100		
77	42.1	22.8	68.3





#77

Bromobenzene

Concen: 51.37 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX003165.D

Acq: 05 Jul 2018 11:04

Instrument :

MSVOA_X

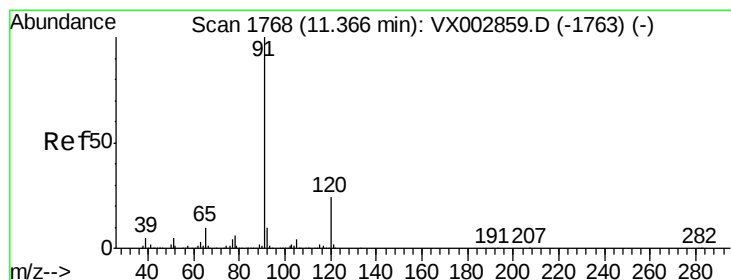
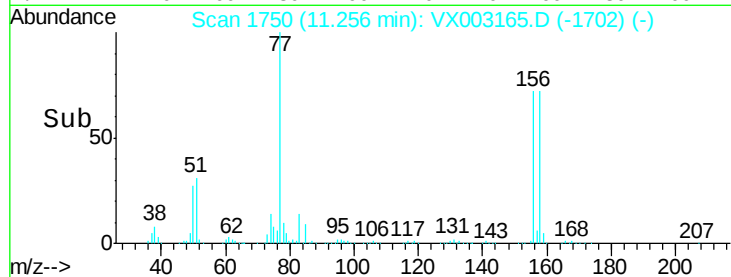
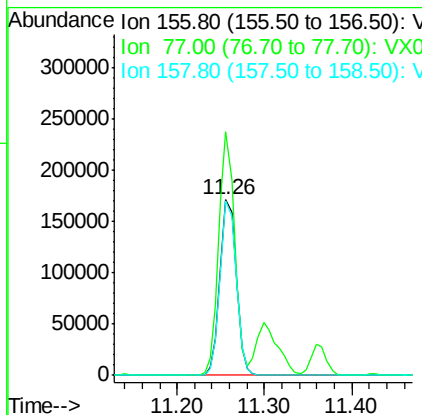
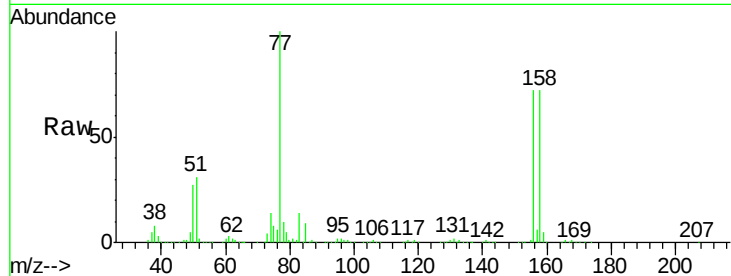
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	133.4	71.4	214.2
158	98.2	48.9	146.6

Manual Integrations
APPROVED

Sam
7/6/2018 4:20:10 PM



#78

n-propylbenzene

Concen: 53.56 ug/l

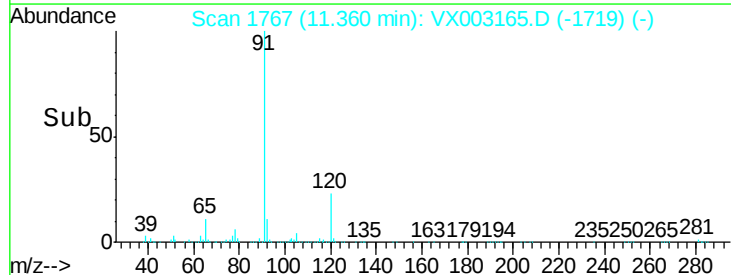
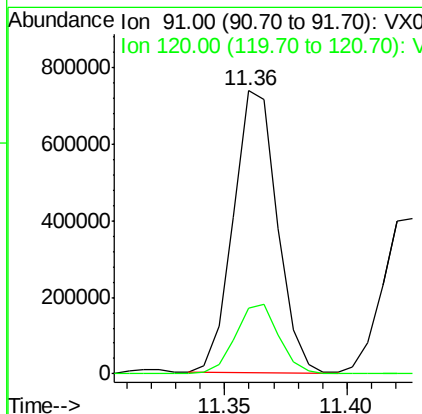
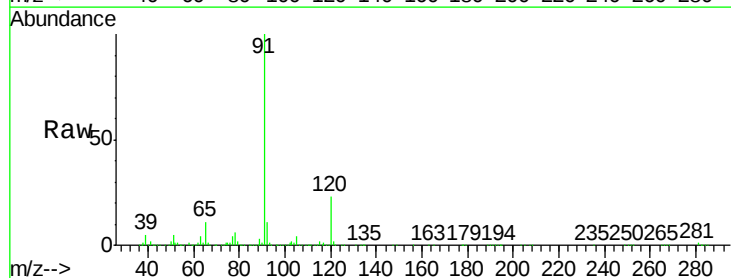
RT: 11.36 min Scan# 1767

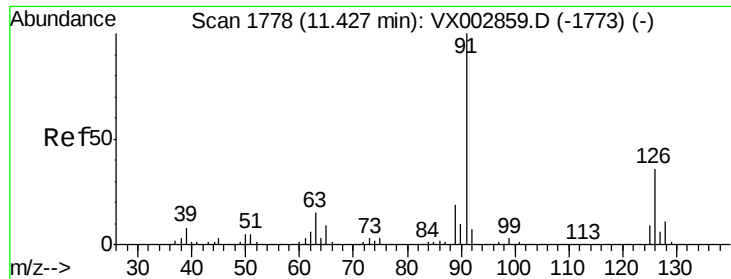
Delta R.T. -0.01 min

Lab File: VX003165.D

Acq: 05 Jul 2018 11:04

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.5	11.8	35.4





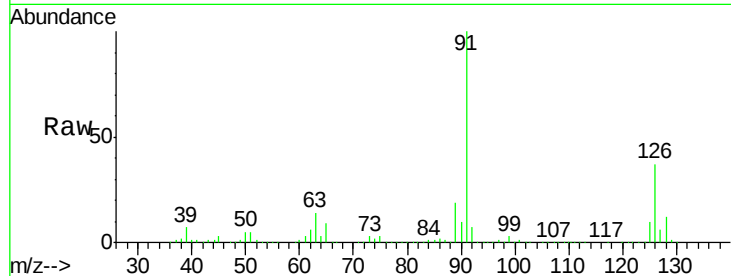
#79
 2-Chlorotoluene
 Concen: 51.17 ug/l
 RT: 11.43 min Scan# 1778
 Delta R.T. 0.00 min
 Lab File: VX003165.D
 Acq: 05 Jul 2018 11:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

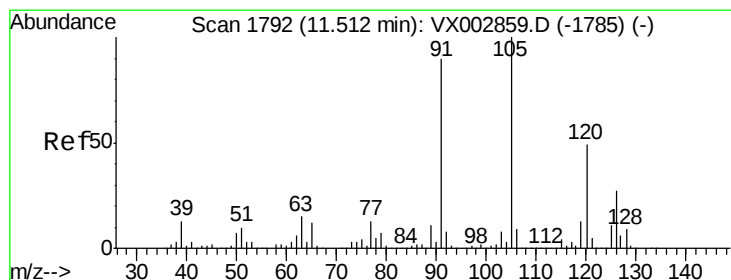
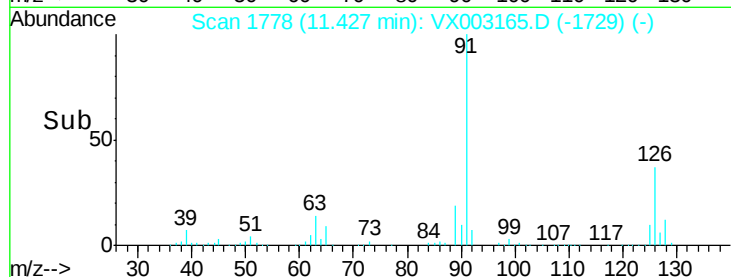
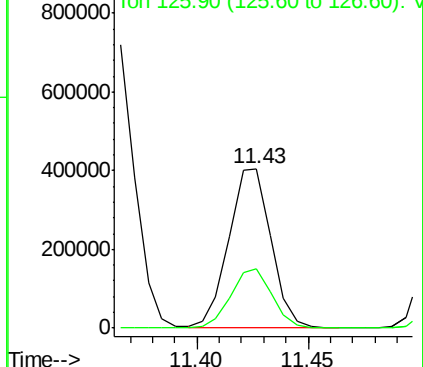
Tot Ion: 91 Resp: 532087
 Ion Ratio Lower Upper
 91 100
 126 36.6 17.7 53.1

Manual Integrations
 APPROVED

sam
 7/6/2018 4:20:10 PM

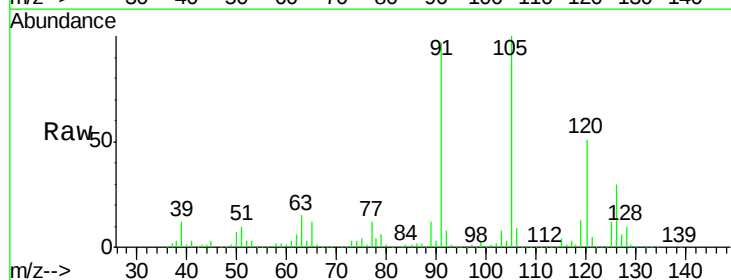


Abundance Ion 91.00 (90.70 to 91.70): VX0
 Ion 125.90 (125.60 to 126.60): V

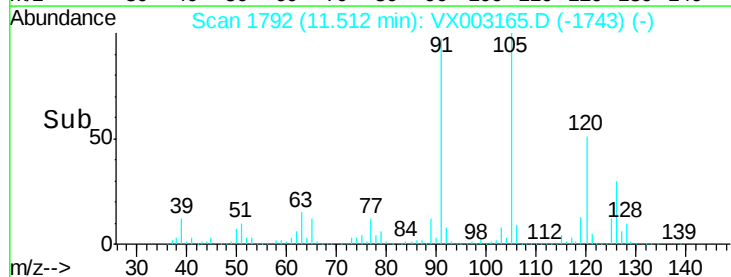
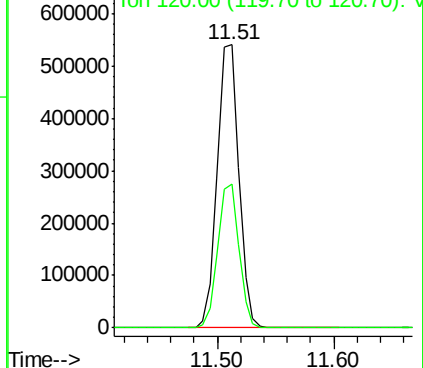


#80
 1,3,5-Trimethylbenzene
 Concen: 54.29 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX003165.D
 Acq: 05 Jul 2018 11:04

Tgt Ion: 105 Resp: 690021
 Ion Ratio Lower Upper
 105 100
 120 49.9 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





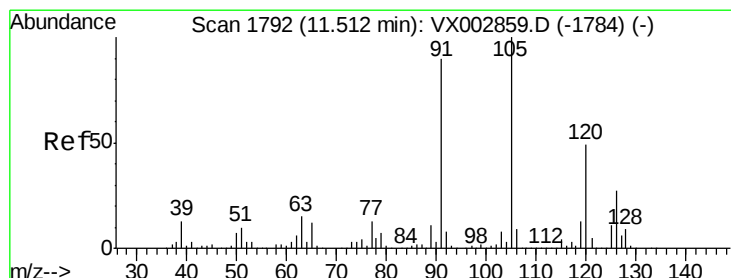
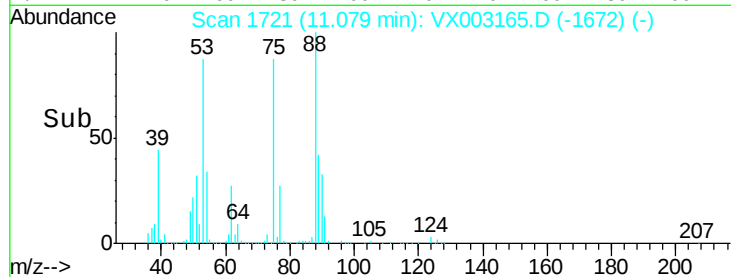
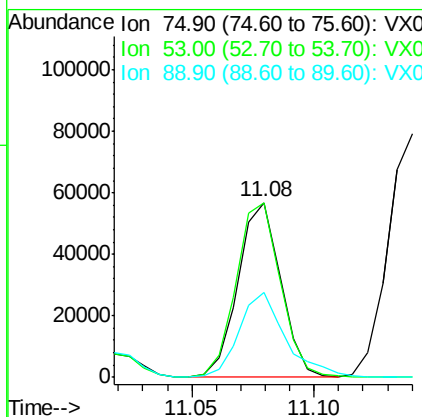
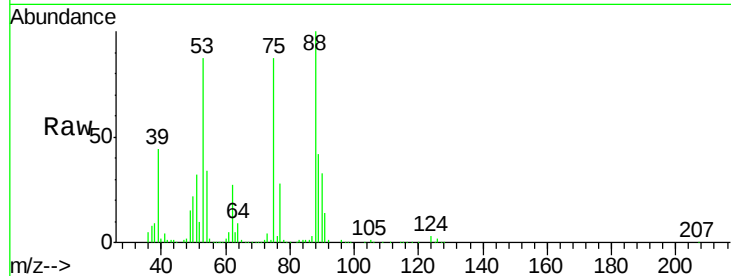
#81
trans-1,4-Dichloro-2-butene
Concen: 48.96 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX003165.D
Acq: 05 Jul 2018 11:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	104.0	86.8	130.2
89	53.7	38.2	57.2

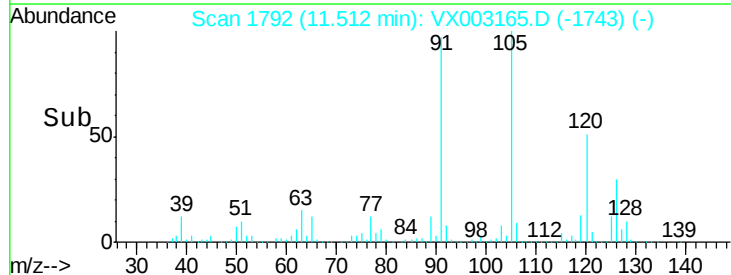
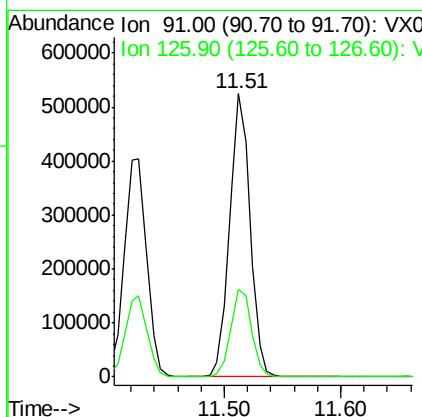
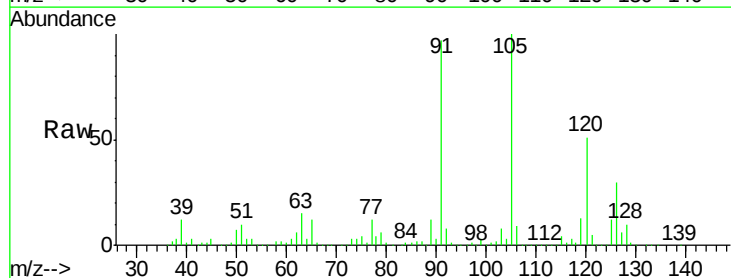
Manual Integrations
APPROVED

sam
7/6/2018 4:20:10 PM



#82
4-Chlorotoluene
Concen: 52.30 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003165.D
Acq: 05 Jul 2018 11:04

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.4	46.4





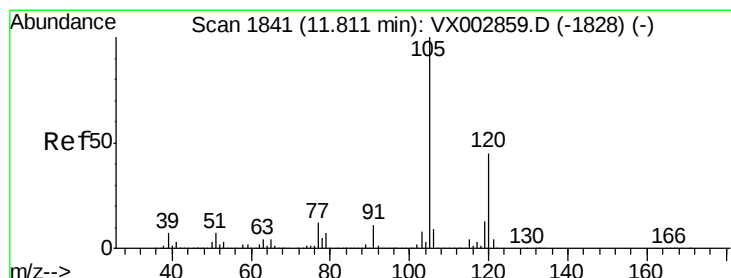
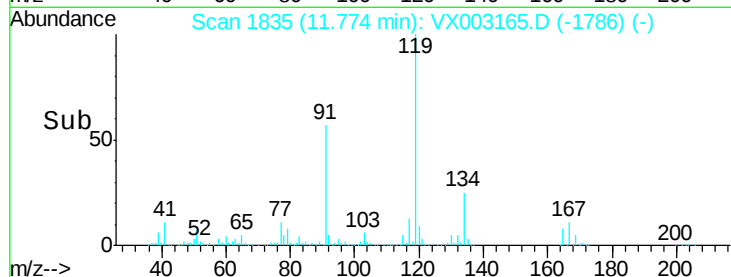
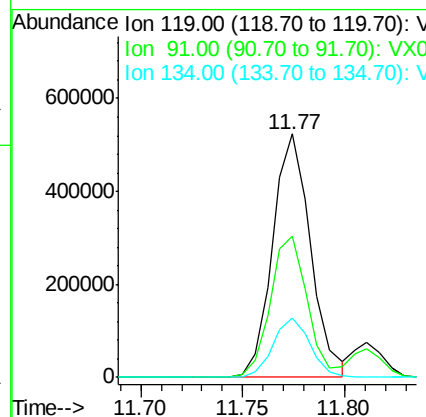
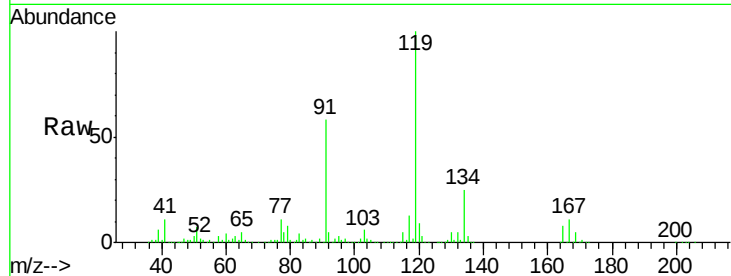
#83
tert-Butylbenzene
Concen: 54.21 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX003165.D
Acq: 05 Jul 2018 11:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	678990		
91	55.8	30.3	90.9	
134	23.8	11.7	35.1	

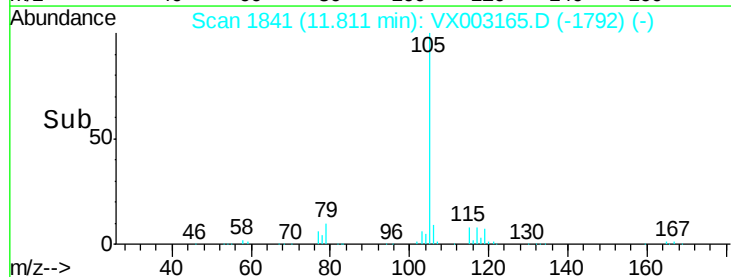
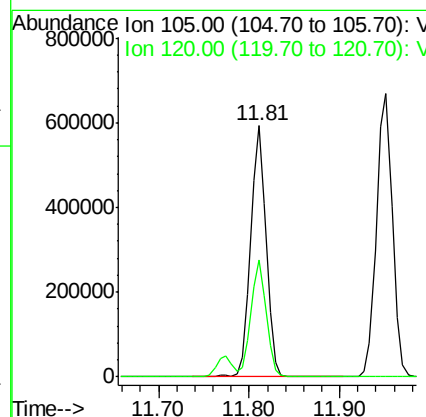
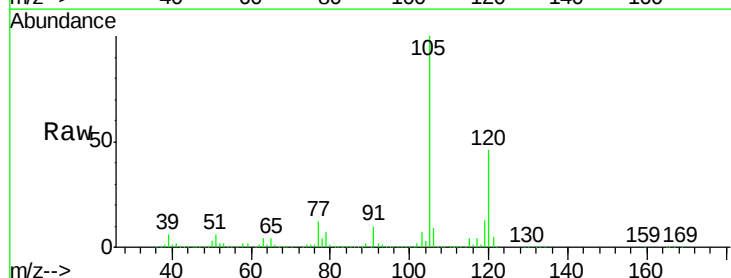
Manual Integrations
APPROVED

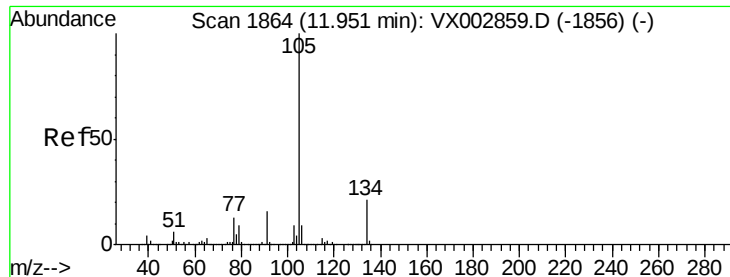
sam
7/6/2018 4:20:10 PM



#84
1,2,4-Trimethylbenzene
Concen: 53.42 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX003165.D
Acq: 05 Jul 2018 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	703408		
120	45.9	22.3	66.8	





#85

sec-Butylbenzene

Concen: 53.71 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003165.D

Acq: 05 Jul 2018 11:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 816052

Ion Ratio Lower Upper

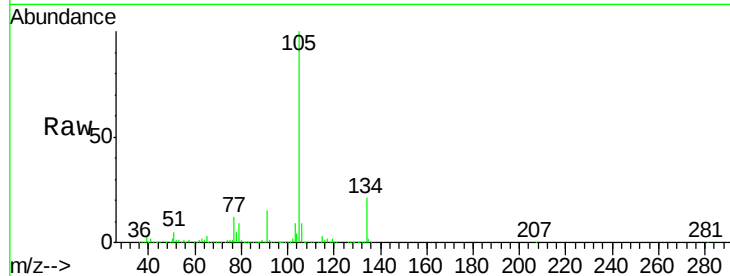
105 100

134 21.2 10.4 31.1

Manual Integrations
APPROVED

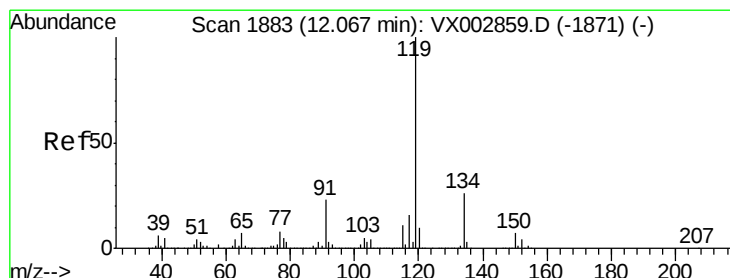
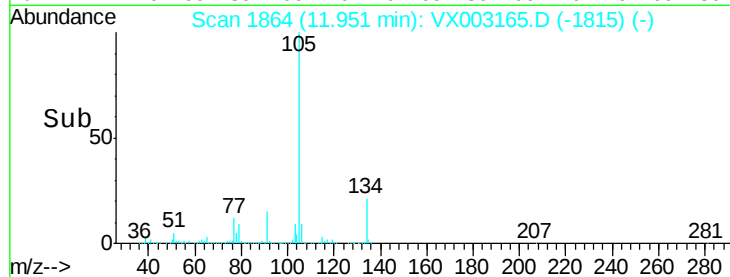
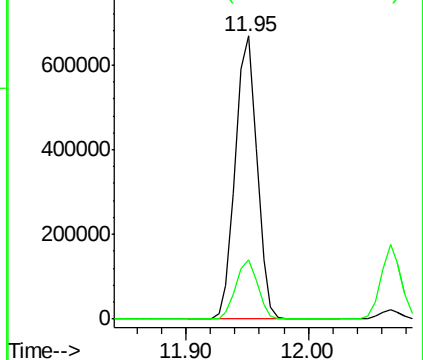
sam

7/6/2018 4:20:10 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 54.65 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003165.D

Acq: 05 Jul 2018 11:04

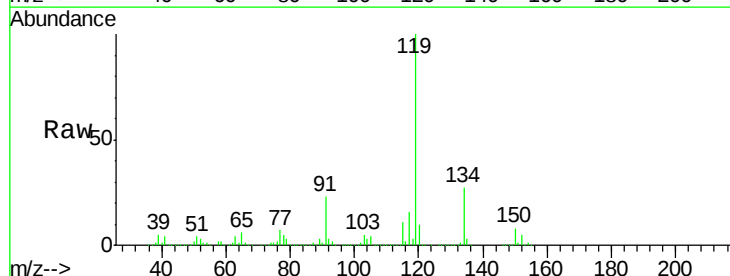
Tgt Ion:119 Resp: 746496

Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.1

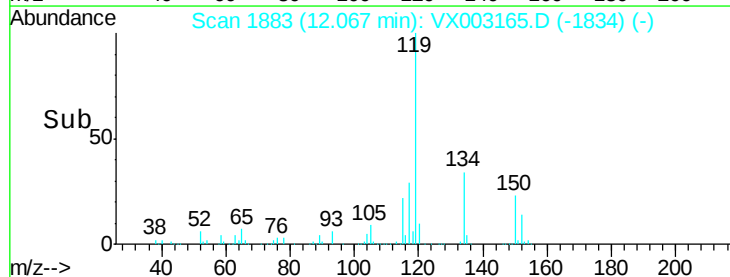
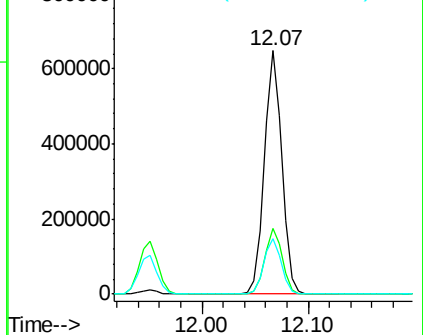
91 23.0 11.9 35.7

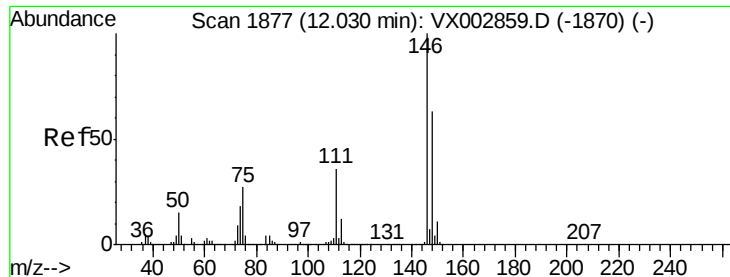


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





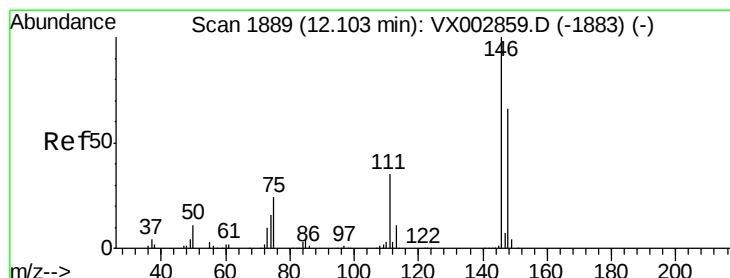
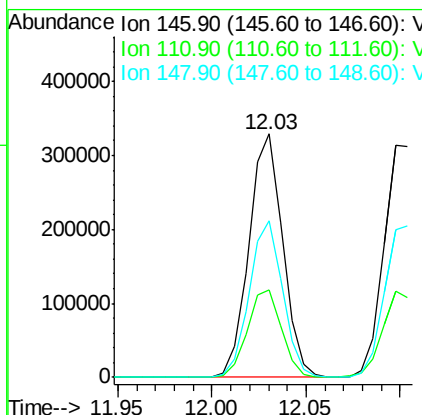
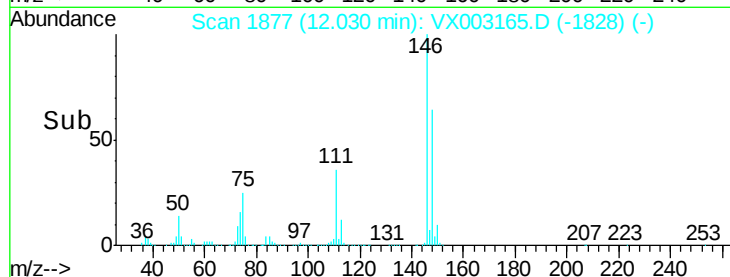
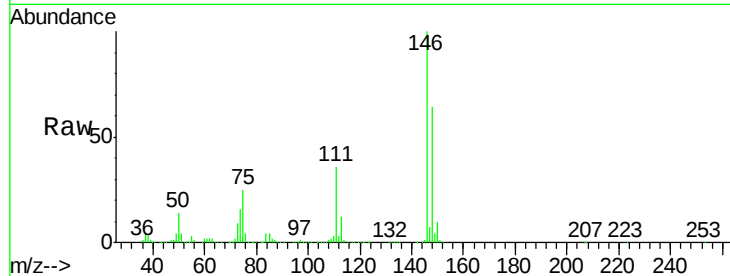
#87
 1,3-Dichlorobenzene
 Concen: 52.17 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003165.D
 Acq: 05 Jul 2018 11:04

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.9	56.7
148	63.8	32.1	96.3

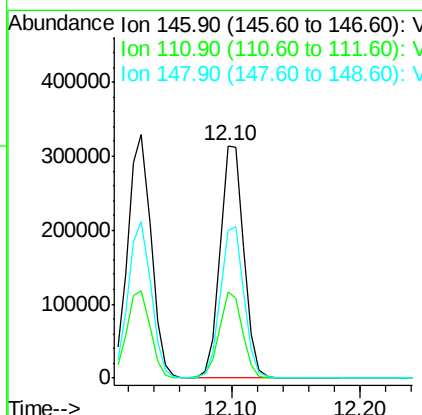
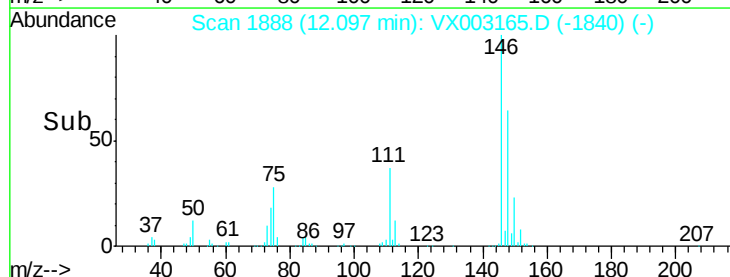
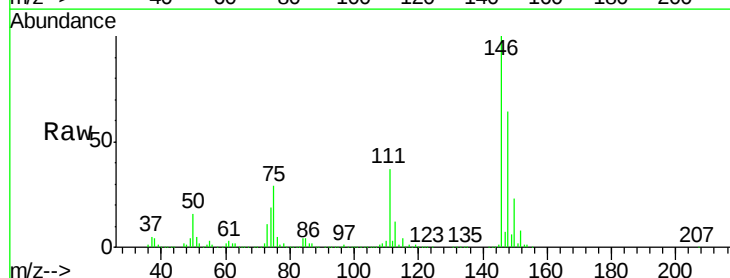
Manual Integrations
 APPROVED

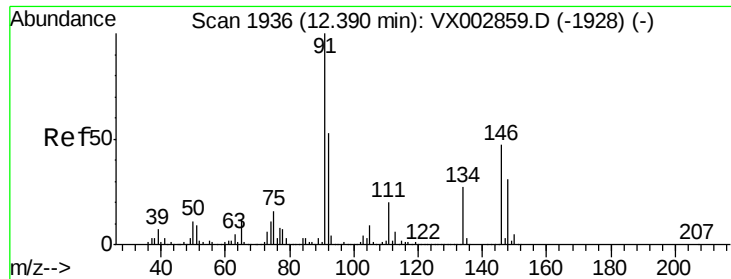
sam
 7/6/2018 4:20:10 PM



#88
 1,4-Dichlorobenzene
 Concen: 50.80 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.01 min
 Lab File: VX003165.D
 Acq: 05 Jul 2018 11:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.7	56.1
148	64.7	32.4	97.0





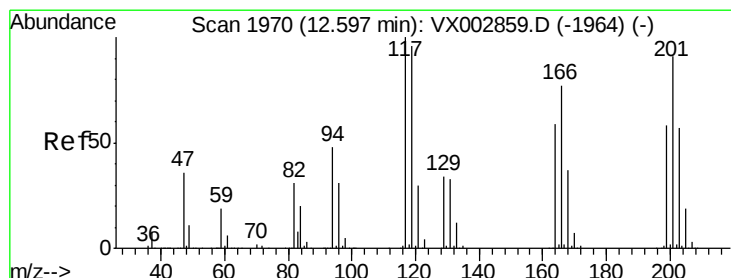
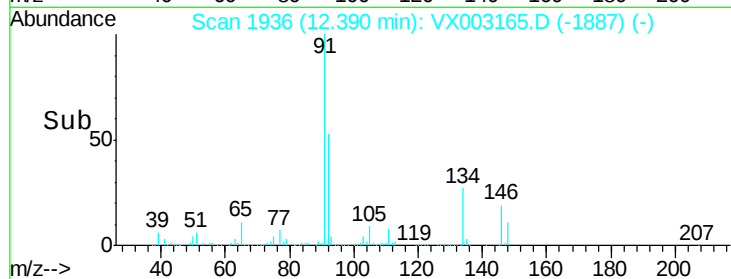
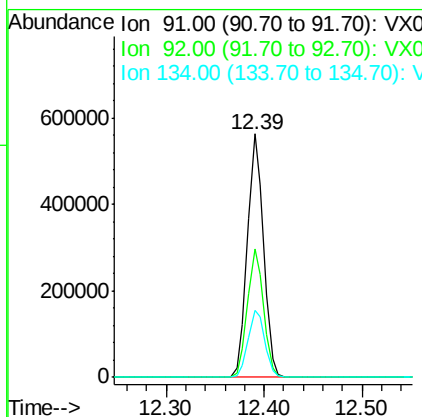
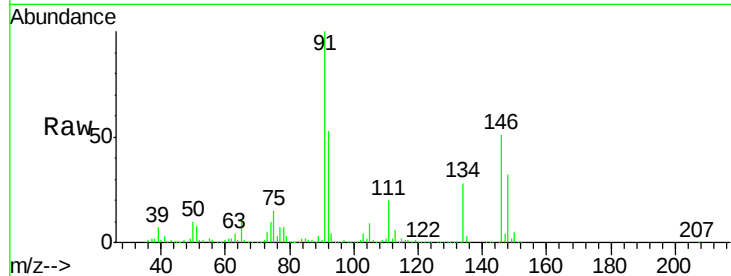
#89
n-Butylbenzene
Concen: 54.27 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003165.D
Acq: 05 Jul 2018 11:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.7	26.0	78.0	
134	28.4	13.5	40.5	

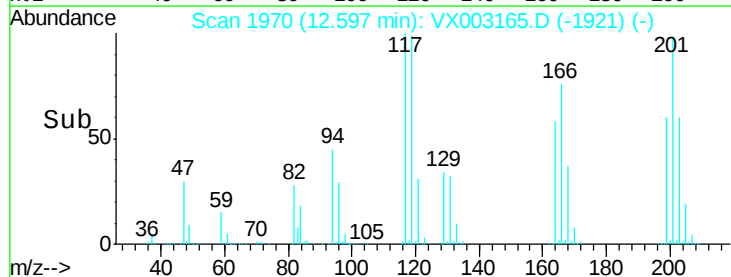
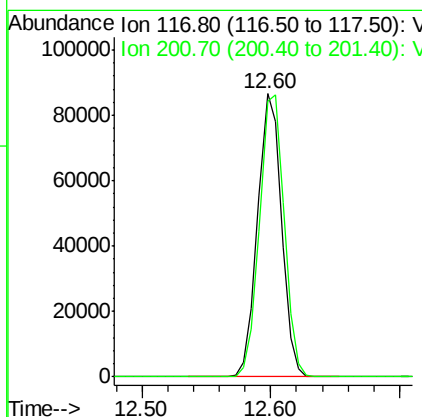
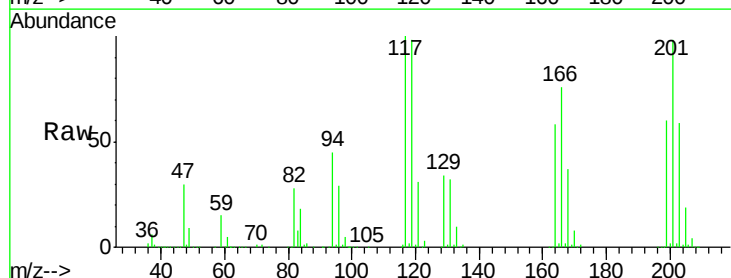
Manual Integrations
APPROVED

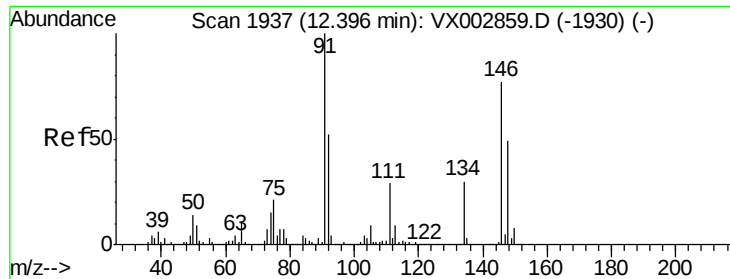
sam
7/6/2018 4:20:10 PM



#90
Hexachloroethane
Concen: 54.18 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003165.D
Acq: 05 Jul 2018 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	103.2	49.0	147.0	





#91

1,2-Dichlorobenzene

Concen: 51.12 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX003165.D

Acq: 05 Jul 2018 11:04

Instrument :

MSVOA_X

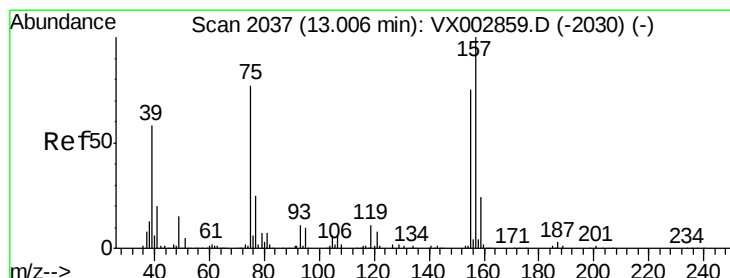
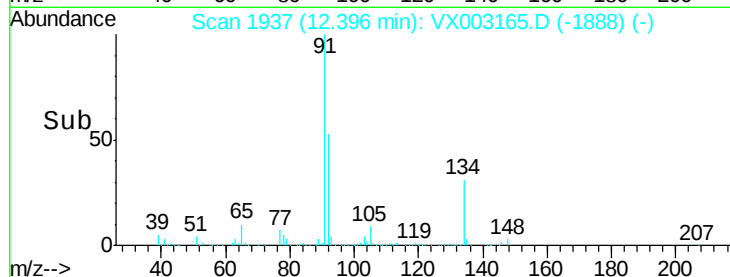
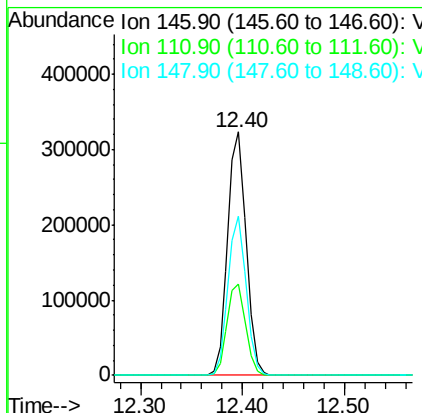
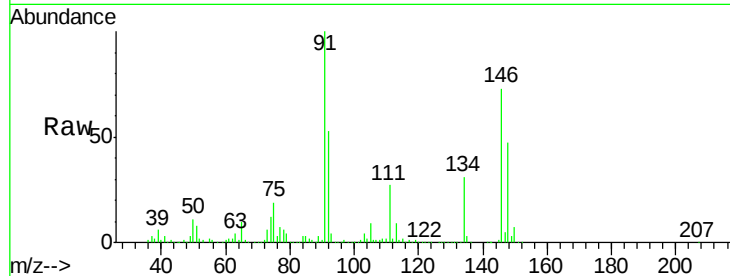
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.4	58.1
148	64.2	31.7	95.1

Manual Integrations
APPROVED

sam
7/6/2018 4:20:10 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.63 ug/l

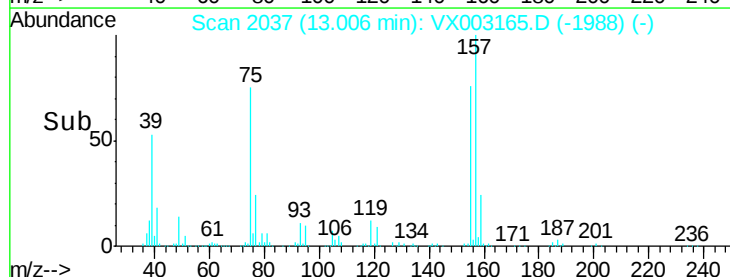
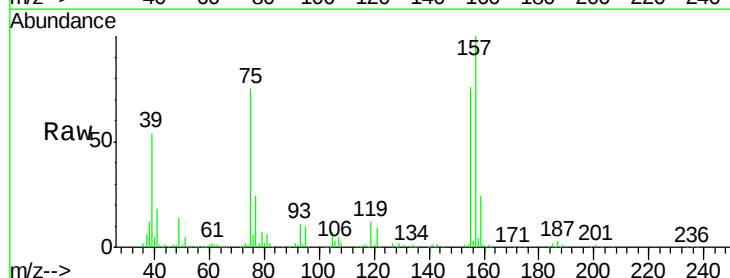
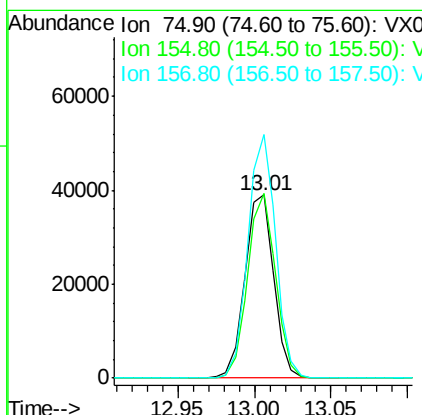
RT: 13.01 min Scan# 2037

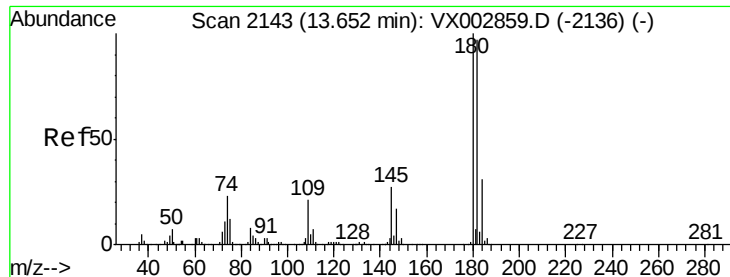
Delta R.T. 0.00 min

Lab File: VX003165.D

Acq: 05 Jul 2018 11:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.0	45.8	137.4
157	127.9	60.1	180.3





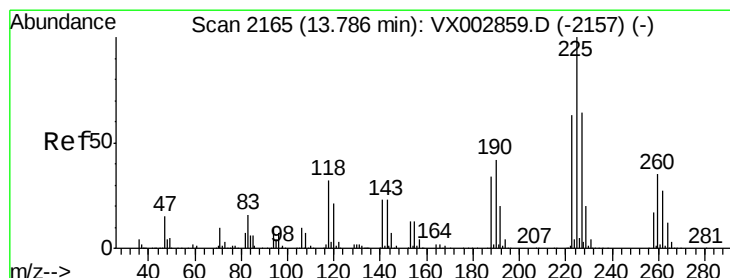
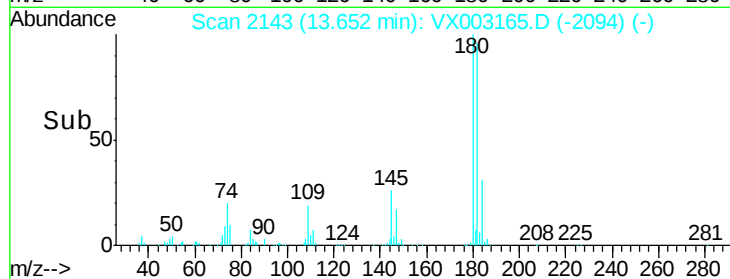
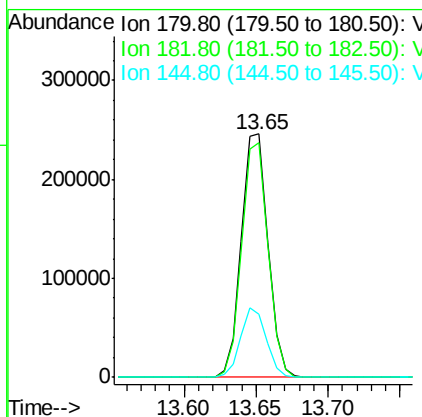
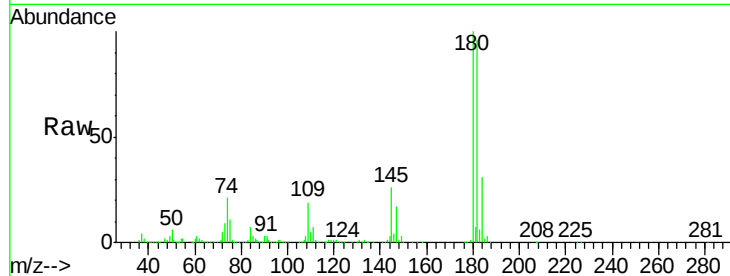
#93
 1,2,4-Trichlorobenzene
 Concen: 54.72 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX003165.D
 Acq: 05 Jul 2018 11:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	315469		
182	95.4	47.7	143.1	
145	27.6	14.1	42.4	

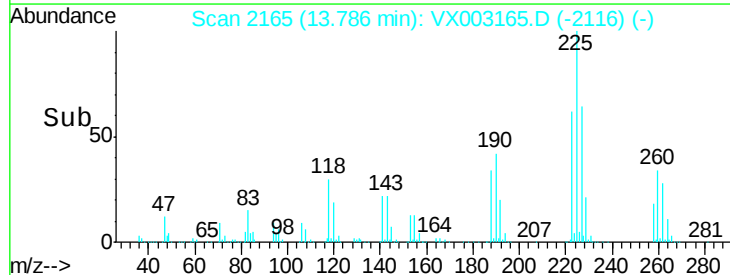
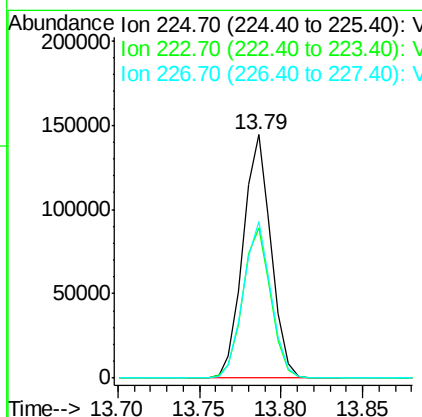
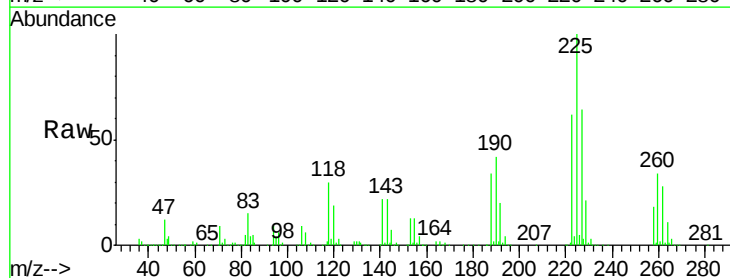
Manual Integrations
 APPROVED

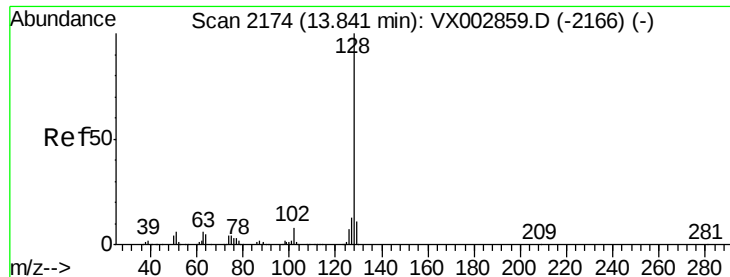
sam
 7/6/2018 4:20:10 PM



#94
 Hexachlorobutadiene
 Concen: 60.00 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003165.D
 Acq: 05 Jul 2018 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	172512		
223	61.6	31.6	95.0	
227	63.5	32.4	97.2	





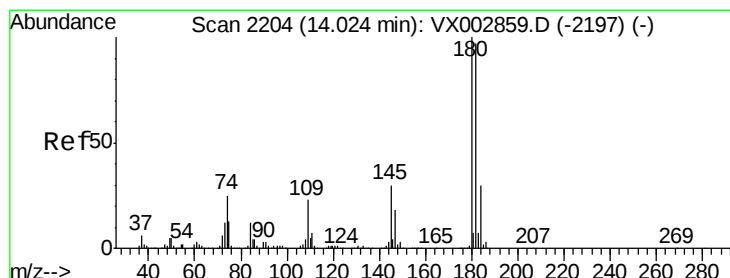
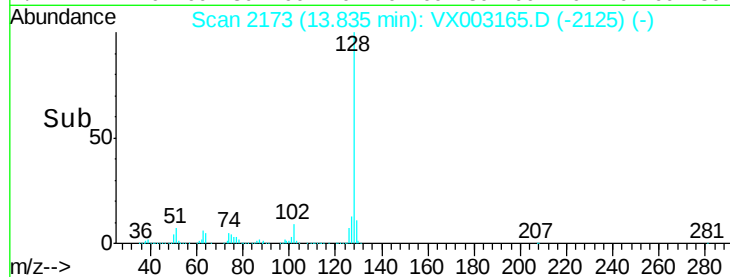
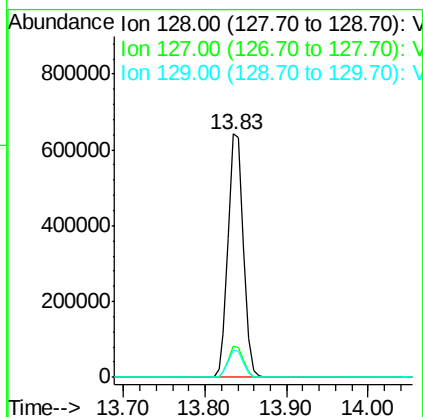
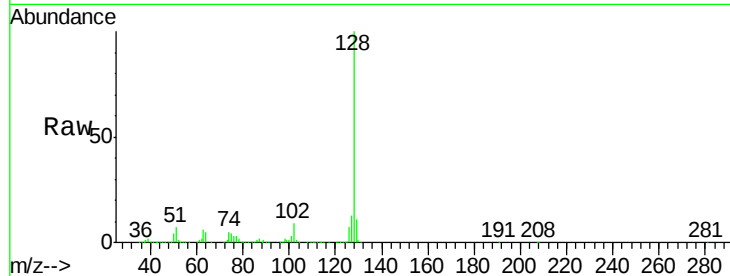
#95
Naphthalene
Concen: 53.55 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. -0.01 min
Lab File: VX003165.D
Acq: 05 Jul 2018 11:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	11.0	8.6	13.0

Manual Integrations
APPROVED

sam
7/6/2018 4:20:10 PM



#96
1,2,3-Trichlorobenzene
Concen: 54.25 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX003165.D
Acq: 05 Jul 2018 11:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	48.0	144.0
145	29.3	14.8	44.3

