

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX031418\
 Data File : VX000319.D
 Acq On : 14 Mar 2018 17:41
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

sam
 3/15/2018 3:37:08 PM

Quant Time: Mar 15 03:20:08 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X031418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 15 01:30:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	137348	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	228919	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	245546	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	157389	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	183565	125.56	ug/l	0.00
Spiked Amount			Recovery	=	251.12%	
35) Dibromofluoromethane	5.51	113	143890	99.12	ug/l	0.00
Spiked Amount			Recovery	=	198.24%	
50) Toluene-d8	8.73	98	640044	114.90	ug/l	0.00
Spiked Amount			Recovery	=	229.80%	
62) 4-Bromofluorobenzene	11.15	95	259063	110.40	ug/l	0.00
Spiked Amount			Recovery	=	220.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	138708	117.80	ug/l	97
3) Chloromethane	1.32	50	130477	101.78	ug/l	97
4) Vinyl Chloride	1.41	62	153069	114.61	ug/l	98
5) Bromomethane	1.64	94	188979	166.71	ug/l	97
6) Chloroethane	1.72	64	111189	149.02	ug/l	99
7) Trichlorofluoromethane	1.93	101	279582	124.70	ug/l	99
8) Diethyl Ether	2.20	74	96143	125.43	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	147364	114.99	ug/l	98
10) Methyl Iodide	2.51	142	174827	106.61	ug/l	98
11) Tert butyl alcohol	3.09	59	300811	570.50	ug/l	100
12) 1,1-Dichloroethene	2.37	96	138780	121.39	ug/l	96
13) Acrolein	2.30	56	133090	461.05	ug/l	98
14) Allyl chloride	2.73	41	249981	115.42	ug/l	100
15) Acrylonitrile	3.16	53	565707	626.65	ug/l	99
16) Acetone	2.45	43	610897	553.88	ug/l	100
17) Carbon Disulfide	2.57	76	419016	115.51	ug/l	99
18) Methyl Acetate	2.78	43	263263	119.29	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	506278	124.85	ug/l	99
20) Methylene Chloride	2.86	84	150322	115.76	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	157010	123.38	ug/l	99
22) Diisopropyl ether	3.88	45	415353	112.82	ug/l	98
23) Vinyl Acetate	3.84	43	1997546	611.38	ug/l	99
24) 1,1-Dichloroethane	3.70	63	254857	120.05	ug/l	99
25) 2-Butanone	4.72	43	749863	510.44	ug/l	99
26) 2,2-Dichloropropane	4.59	77	193235	103.26	ug/l	99
27) cis-1,2-Dichloroethene	4.61	96	138270	104.74	ug/l	99
28) Bromochloromethane	5.03	49	112444	112.39	ug/l	99
29) Tetrahydrofuran	5.18	42	488270	541.78	ug/l	99
30) Chloroform	5.23	83	261853	117.49	ug/l	99
31) Cyclohexane	5.59	56	205546	106.01	ug/l	98
32) 1,1,1-Trichloroethane	5.51	97	236660	114.25	ug/l	99
36) 1,1-Dichloropropene	5.81	75	196391	96.79	ug/l	100
37) Ethyl Acetate	4.88	43	268255	94.92	ug/l	100
38) Carbon Tetrachloride	5.79	117	207179	93.55	ug/l	98

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX031418\
 Data File : VX000319.D
 Acq On : 14 Mar 2018 17:41
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDICC100

Manual Integrations
 APPROVED

sam
 3/15/2018 3:37:08 PM

Quant Time: Mar 15 03:20:08 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X031418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 15 01:30:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	236198	92.45	ug/l	98
40) Benzene	6.15	78	574539	99.83	ug/l	98
41) Methacrylonitrile	5.07	41	137759	92.73	ug/l	98
42) 1,2-Dichloroethane	6.21	62	221739	106.18	ug/l	99
43) Isopropyl Acetate	6.48	43	414439	98.74	ug/l	99
44) Trichloroethene	7.22	130	159080	87.53	ug/l	99
45) 1,2-Dichloropropane	7.53	63	144058	97.25	ug/l	98
46) Dibromomethane	7.67	93	111669	101.06	ug/l	98
47) Bromodichloromethane	7.91	83	213500	102.08	ug/l	98
48) Methyl methacrylate	7.79	41	204285	98.34	ug/l	99
49) 1,4-Dioxane	7.77	88	93767	1788.24	ug/l	99
51) 4-Methyl-2-Pentanone	8.67	43	1645184	552.35	ug/l	99
52) Toluene	8.79	92	425023	110.31	ug/l	100
53) t-1,3-Dichloropropene	8.45	75	253985	101.72	ug/l	97
54) cis-1,3-Dichloropropene	9.05	75	262173	107.21	ug/l	96
55) 1,1,2-Trichloroethane	9.23	97	170798	107.02	ug/l	98
56) Ethyl methacrylate	9.19	69	277225	108.73	ug/l	97
57) 1,3-Dichloropropane	9.38	76	267082	105.34	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	534227	449.74	ug/l	100
59) 2-Hexanone	9.51	43	1396387	545.69	ug/l	98
60) Dibromochloromethane	9.59	129	200860	107.44	ug/l	99
61) 1,2-Dibromoethane	9.68	107	194836	111.00	ug/l	99
64) Tetrachloroethene	9.34	164	158639	76.70	ug/l	99
65) Chlorobenzene	10.15	112	497758	96.30	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	174714	91.98	ug/l	99
67) Ethyl Benzene	10.26	91	838710	97.78	ug/l	99
68) m/p-Xylenes	10.37	106	699034	206.11	ug/l	96
69) o-Xylene	10.71	106	330650	100.97	ug/l	99
70) Styrene	10.72	104	584117	106.26	ug/l	97
71) Bromoform	10.87	173	171086	85.47	ug/l #	98
73) Isopropylbenzene	11.02	105	916590	96.79	ug/l	99
74) N-amyl acetate	6.48	43	414439	82.87	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.28	83	332313	99.69	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	290510m	71.80	ug/l	
77) Bromobenzene	11.26	156	236569	87.80	ug/l	98
78) n-propylbenzene	11.37	91	1078595	96.75	ug/l	99
79) 2-Chlorotoluene	11.43	91	616130	96.02	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	784606	96.95	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.09	75	108381	92.87	ug/l	94
82) 4-Chlorotoluene	11.52	91	749897	96.35	ug/l	97
83) tert-Butylbenzene	11.78	119	787167	95.30	ug/l	98
84) 1,2,4-Trimethylbenzene	11.82	105	815103	96.87	ug/l	99
85) sec-Butylbenzene	11.96	105	958148	95.91	ug/l	100
86) p-Isopropyltoluene	12.07	119	875592	94.11	ug/l	99
87) 1,3-Dichlorobenzene	12.04	146	475819	91.78	ug/l	98
88) 1,4-Dichlorobenzene	12.11	146	490048	90.60	ug/l	97
89) n-Butylbenzene	12.40	91	815160	94.71	ug/l	99
90) Hexachloroethane	12.60	117	146141	97.79	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	470719	93.73	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	91265	88.83	ug/l	99

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX031418\
Data File : VX000319.D
Acq On : 14 Mar 2018 17:41
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

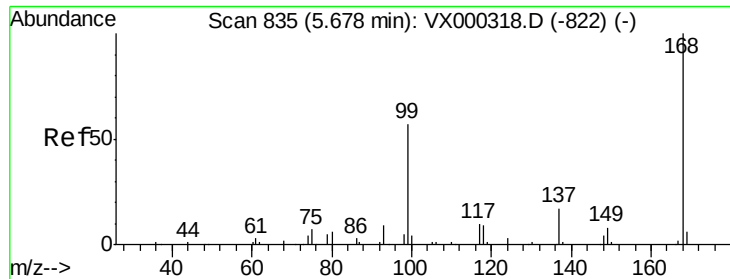
Manual Integrations
APPROVED

sam
3/15/2018 3:37:08 PM

Quant Time: Mar 15 03:20:08 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X031418W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 15 01:30:01 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	330383	76.23	ug/l	99
94) Hexachlorobutadiene	13.79	225	123694	53.91	ug/l	98
95) Naphthalene	13.85	128	1191195	93.66	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	330422	78.54	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.01 min

Lab File: VX000319.D

Acq: 14 Mar 2018 17:41

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion:168 Resp: 137348

Ion Ratio Lower Upper

168 100

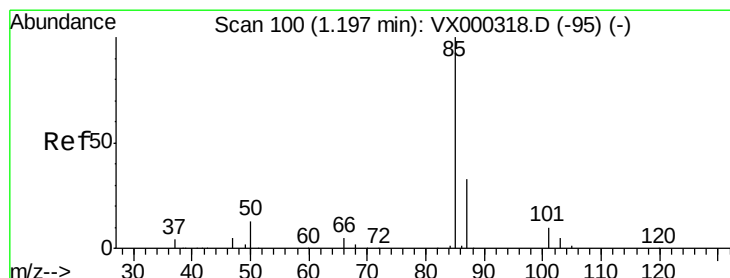
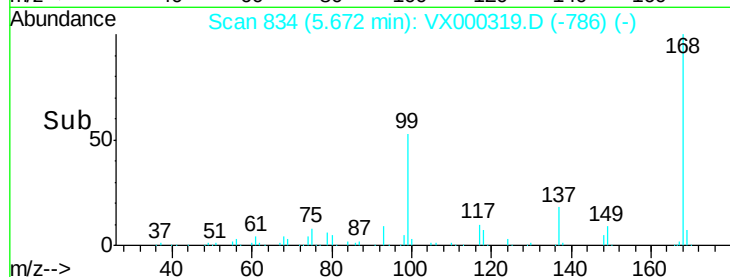
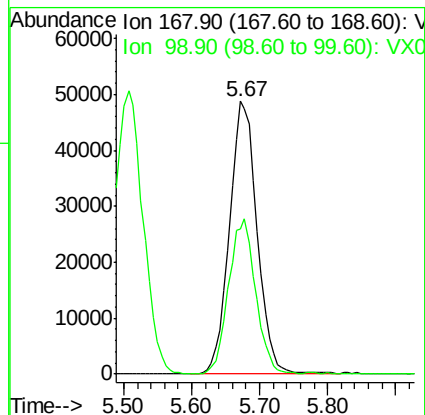
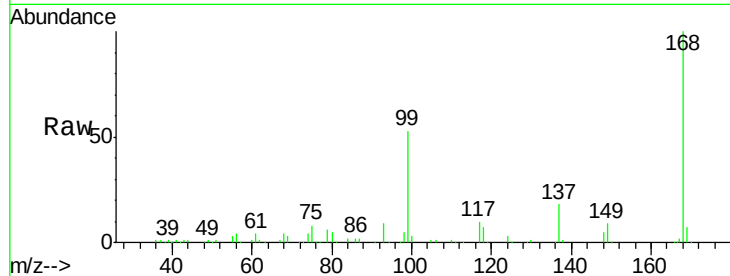
99 53.0 45.8 68.6

Manual Integrations

APPROVED

sam

3/15/2018 3:37:08 PM



#2

Dichlorodifluoromethane

Concen: 117.80 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX000319.D

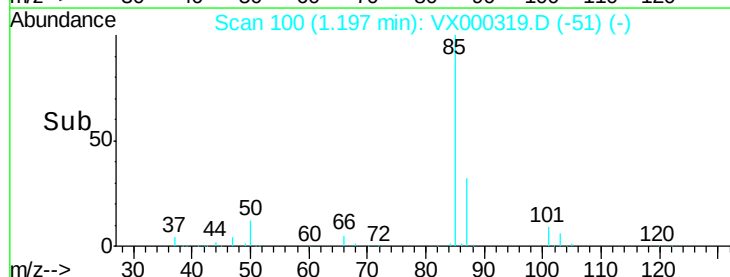
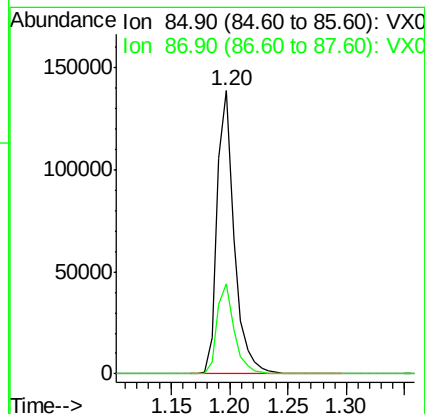
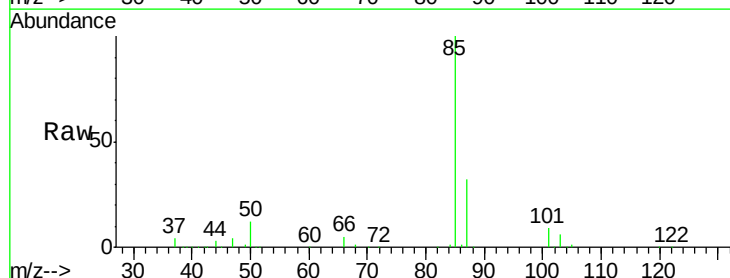
Acq: 14 Mar 2018 17:41

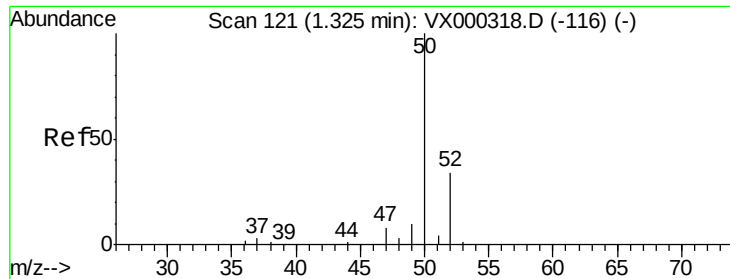
Tgt Ion: 85 Resp: 138708

Ion Ratio Lower Upper

85 100

87 31.8 16.8 50.3





#3

Chloromethane

Concen: 101.78 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX000319.D

Acq: 14 Mar 2018 17:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 50 Resp: 130477

Ion Ratio Lower Upper

50 100

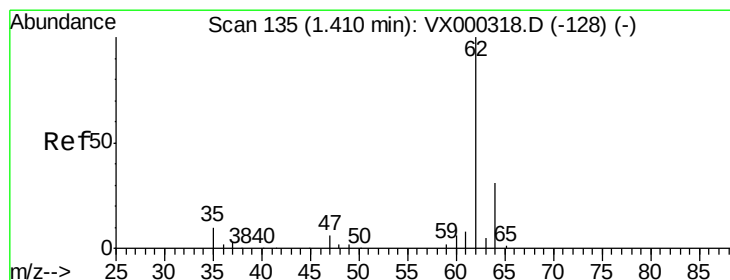
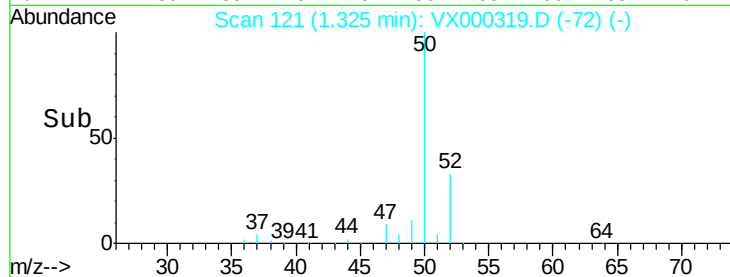
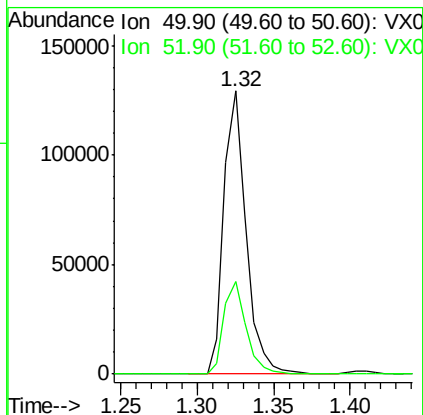
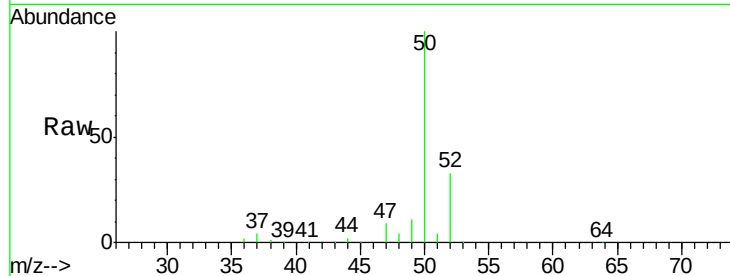
52 32.8 27.5 41.3

Manual Integrations

APPROVED

sam

3/15/2018 3:37:08 PM



#4

Vinyl Chloride

Concen: 114.61 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX000319.D

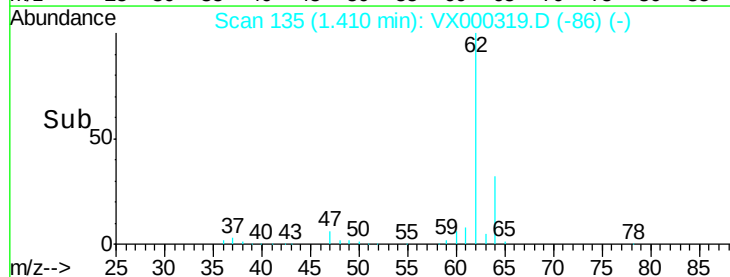
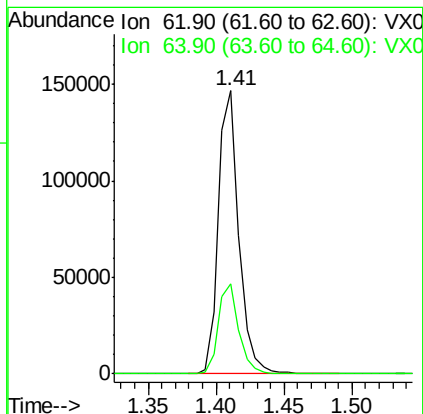
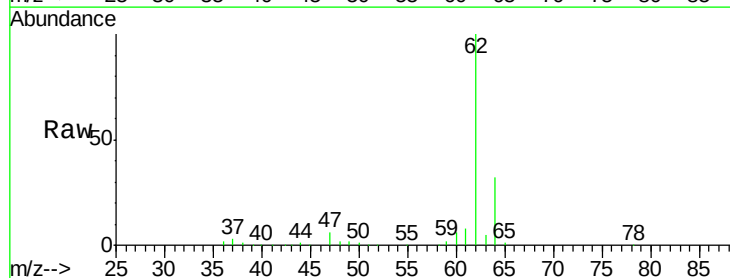
Acq: 14 Mar 2018 17:41

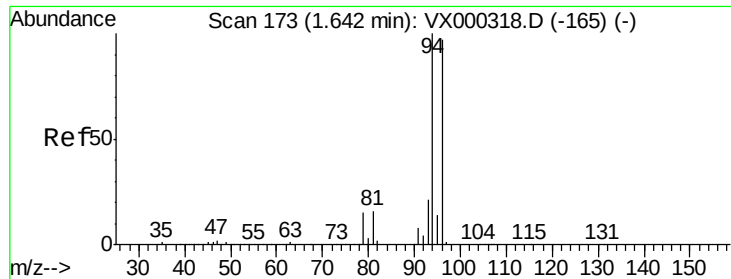
Tgt Ion: 62 Resp: 153069

Ion Ratio Lower Upper

62 100

64 32.0 24.8 37.2





#5

Bromomethane

Concen: 166.71 ug/l

RT: 1.64 min Scan# 172

Delta R.T. -0.01 min

Lab File: VX000319.D

Acq: 14 Mar 2018 17:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 188979

Ion Ratio Lower Upper

94 100

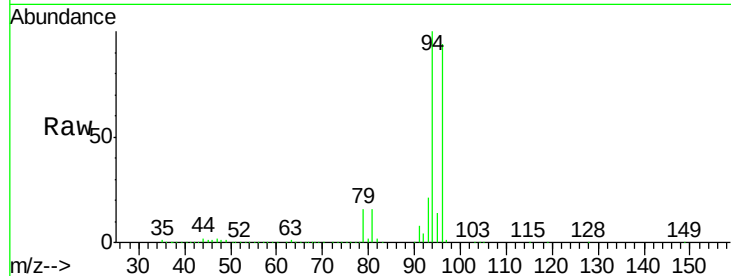
96 94.1 77.7 116.5

Manual Integrations

APPROVED

sam

3/15/2018 3:37:08 PM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

200000

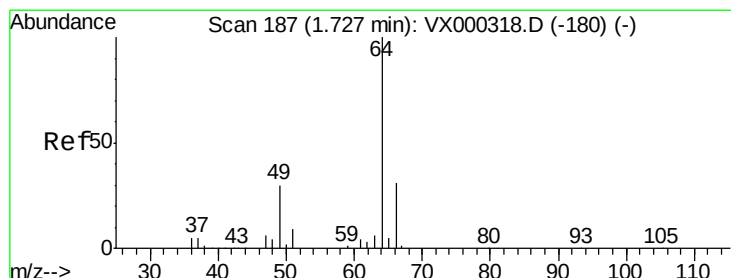
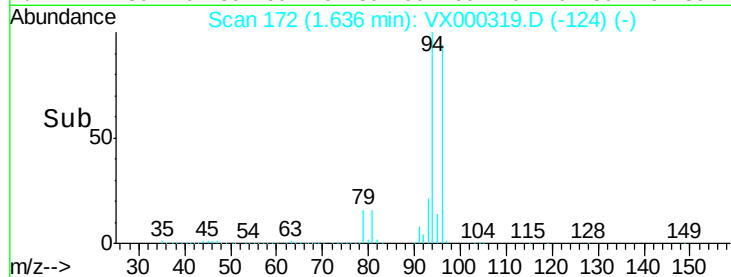
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 149.02 ug/l

RT: 1.72 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX000319.D

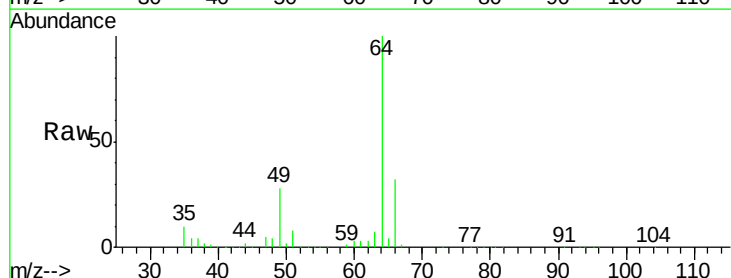
Acq: 14 Mar 2018 17:41

Tgt Ion: 64 Resp: 111189

Ion Ratio Lower Upper

64 100

66 31.6 24.8 37.2



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

100000

80000

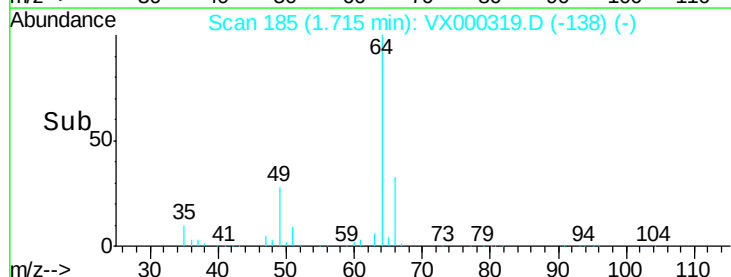
60000

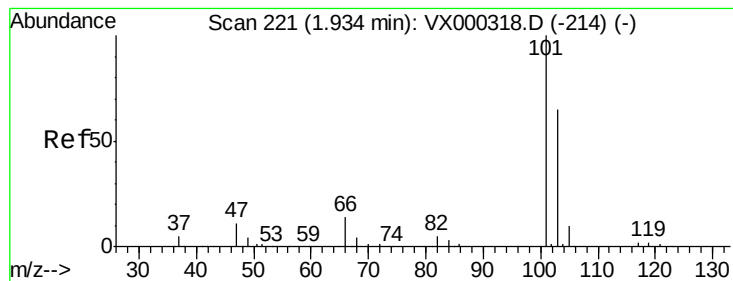
40000

20000

0

Time-->





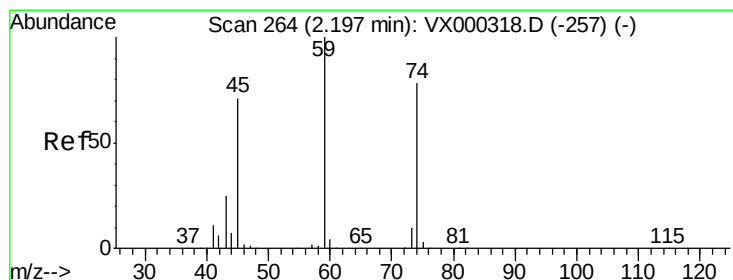
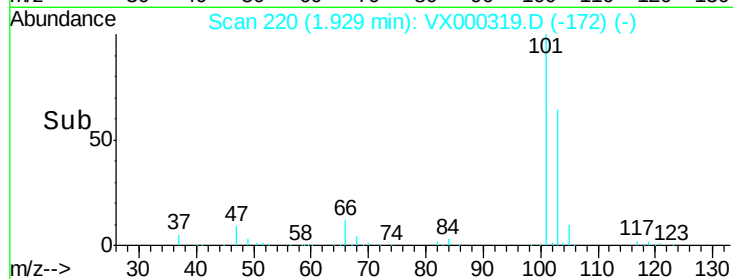
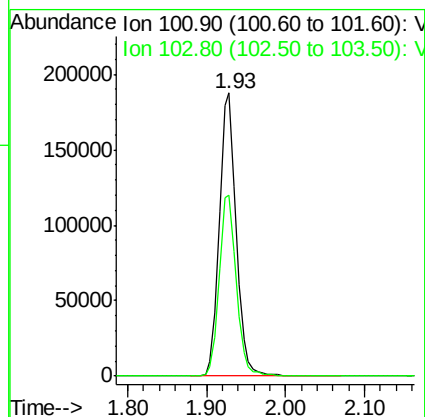
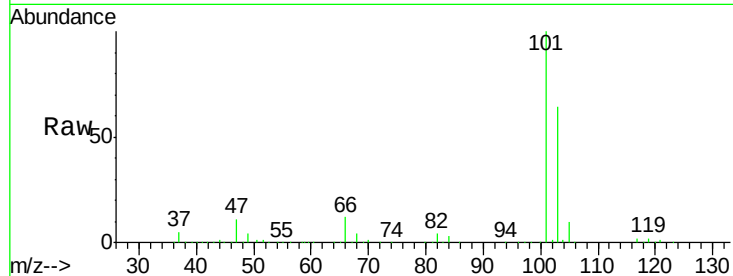
#7
 Trichlorofluoromethane
 Concen: 124.70 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VX000319.D
 Acq: 14 Mar 2018 17:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion:101 Resp: 279582
 Ion Ratio Lower Upper
 101 100
 103 63.9 51.6 77.4

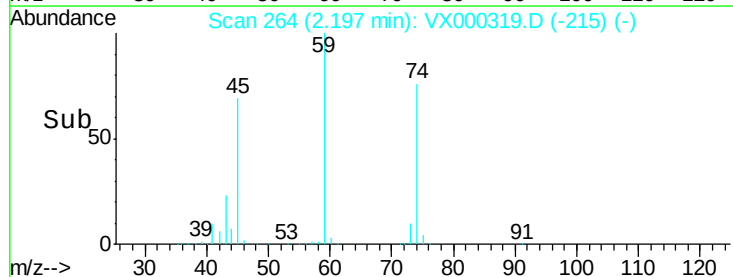
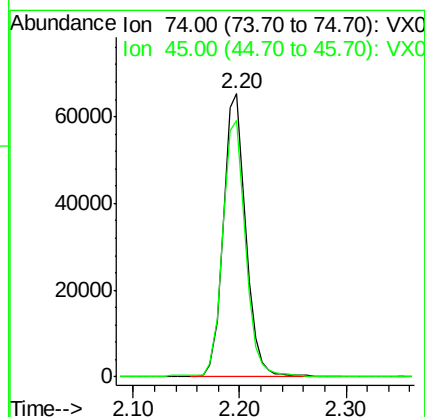
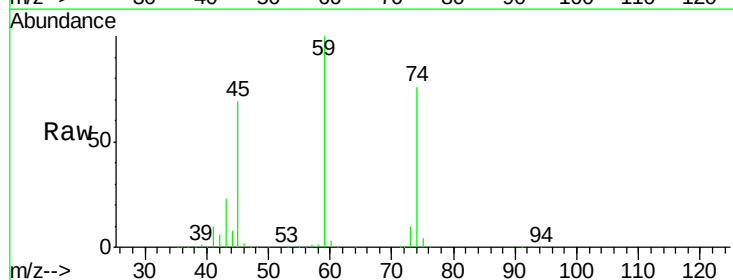
Manual Integrations
 APPROVED

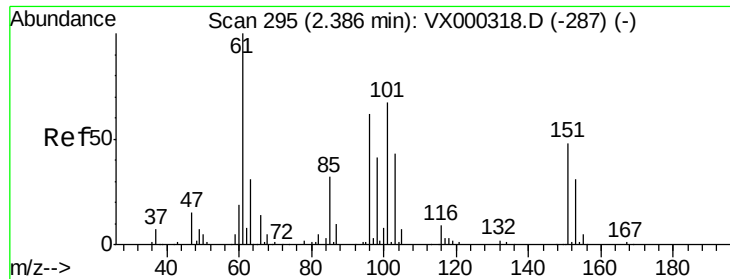
sam
 3/15/2018 3:37:08 PM



#8
 Diethyl Ether
 Concen: 125.43 ug/l
 RT: 2.20 min Scan# 264
 Delta R.T. 0.00 min
 Lab File: VX000319.D
 Acq: 14 Mar 2018 17:41

Tgt Ion: 74 Resp: 96143
 Ion Ratio Lower Upper
 74 100
 45 93.1 45.1 135.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 114.99 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.00 min

Lab File: VX000319.D

Acq: 14 Mar 2018 17:41

Instrument :

MSVOA_X

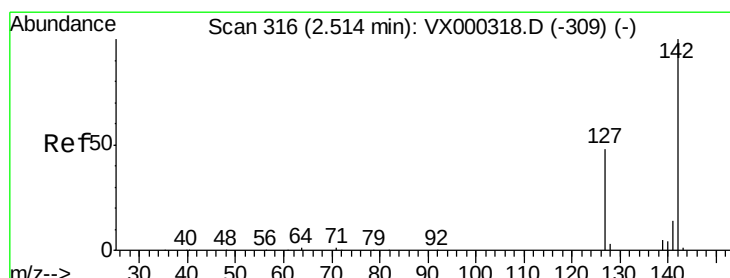
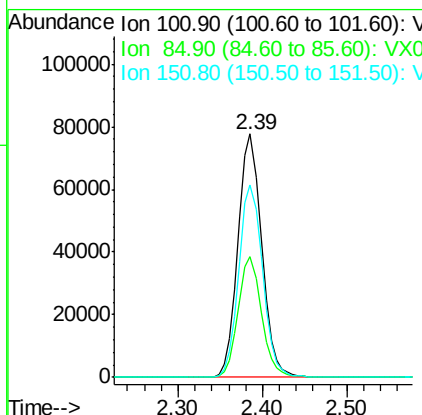
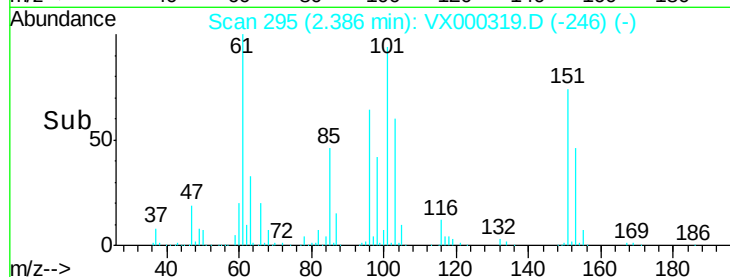
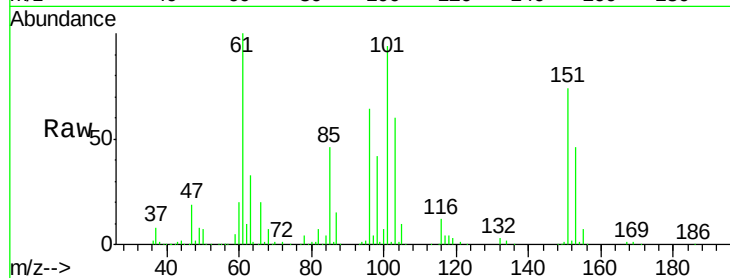
ClientSampled :

VSTDIC100

Tot Ion:	101	Resp:	147364
Ion Ratio	Lower	Upper	
101	100		
85	48.6	37.6	56.4
151	79.6	62.6	93.8

Manual Integrations
APPROVED

sam
3/15/2018 3:37:08 PM



#10

Methyl Iodide

Concen: 106.61 ug/l

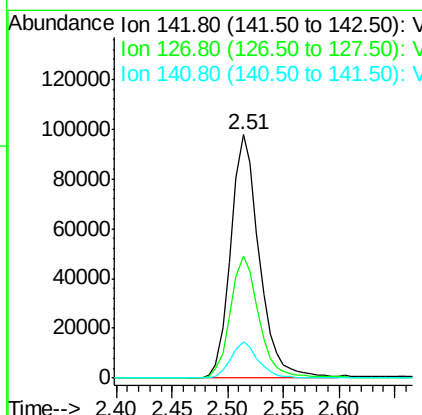
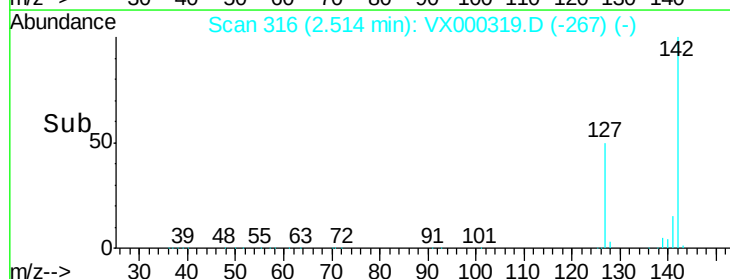
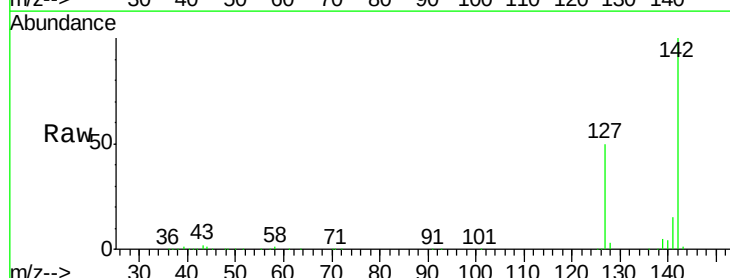
RT: 2.51 min Scan# 316

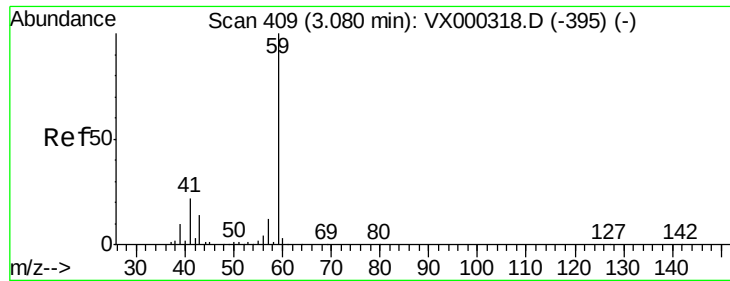
Delta R.T. 0.00 min

Lab File: VX000319.D

Acq: 14 Mar 2018 17:41

Tgt Ion:	142	Resp:	174827
Ion Ratio	Lower	Upper	
142	100		
127	50.3	39.2	58.8
141	14.2	11.7	17.5





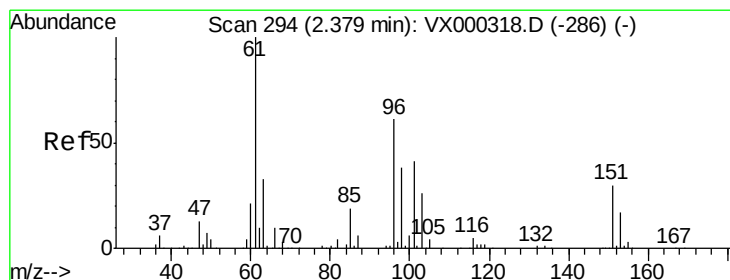
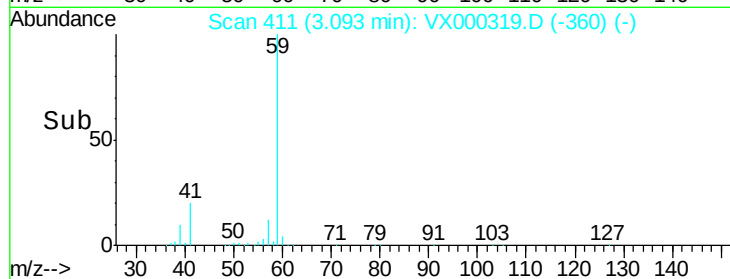
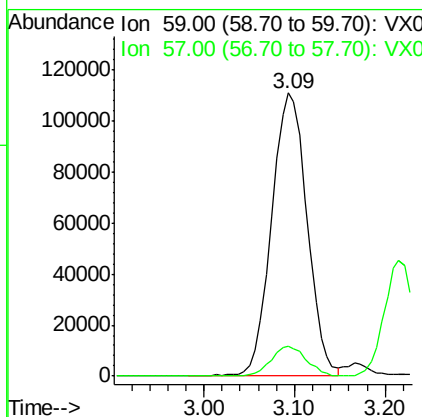
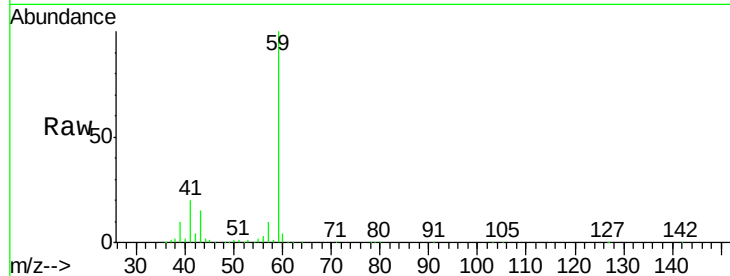
#11
Tert butyl alcohol
Concen: 570.50 ug/l
RT: 3.09 min Scan# 411
Delta R.T. 0.01 min
Lab File: VX000319.D
Acq: 14 Mar 2018 17:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.4	12.6

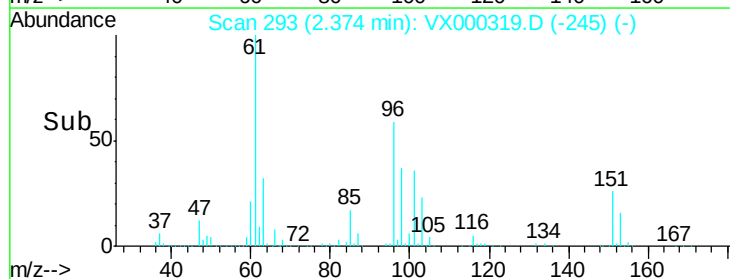
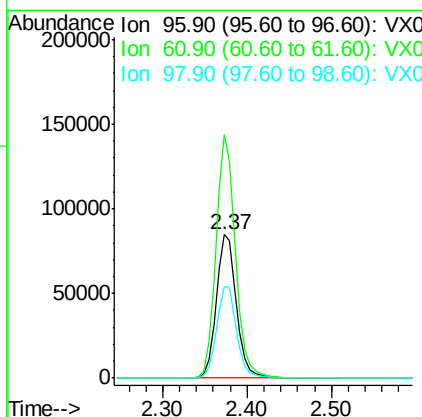
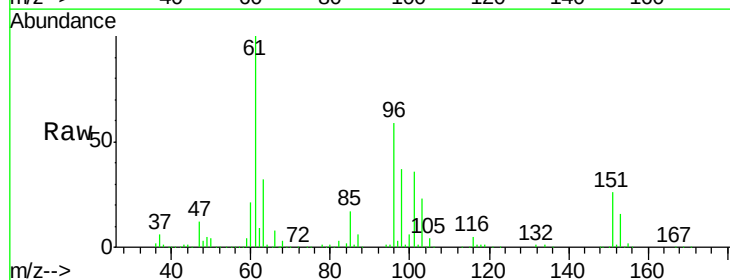
Manual Integrations
APPROVED

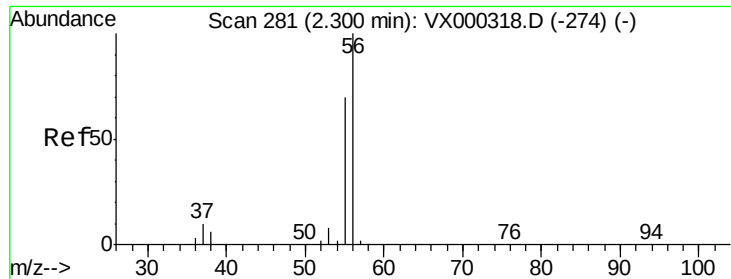
sam
3/15/2018 3:37:08 PM



#12
1,1-Dichloroethene
Concen: 121.39 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.01 min
Lab File: VX000319.D
Acq: 14 Mar 2018 17:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.9	131.2	196.8
98	63.6	49.8	74.8





#13

Acrolein

Concen: 461.05 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX000319.D

Acq: 14 Mar 2018 17:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 56 Resp: 133090

Ion Ratio Lower Upper

56 100

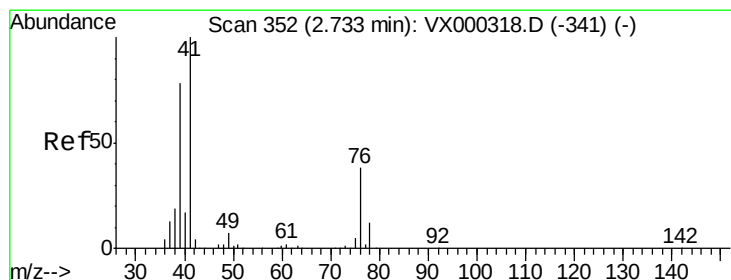
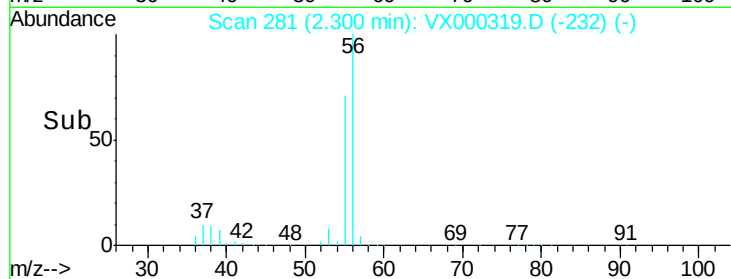
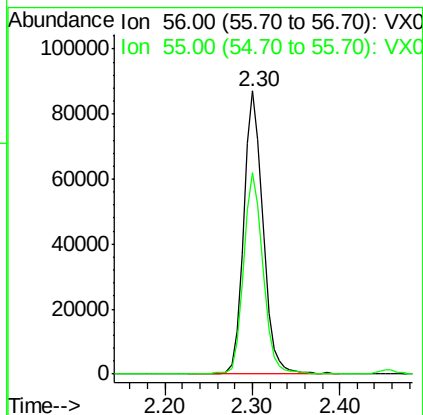
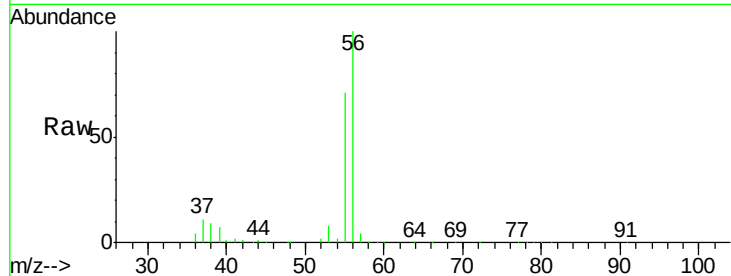
55 72.0 58.8 88.2

Manual Integrations

APPROVED

sam

3/15/2018 3:37:08 PM



#14

Allyl chloride

Concen: 115.42 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.00 min

Lab File: VX000319.D

Acq: 14 Mar 2018 17:41

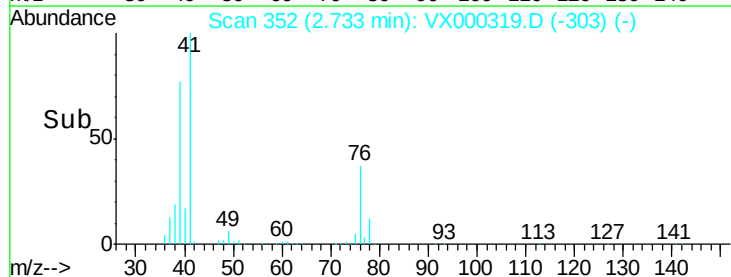
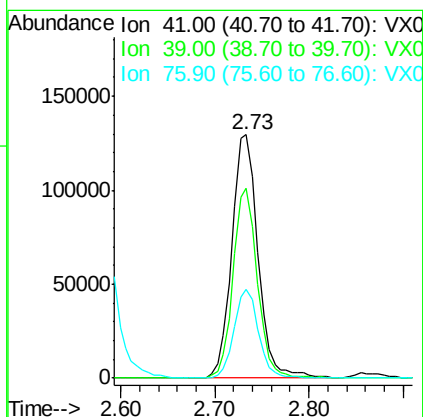
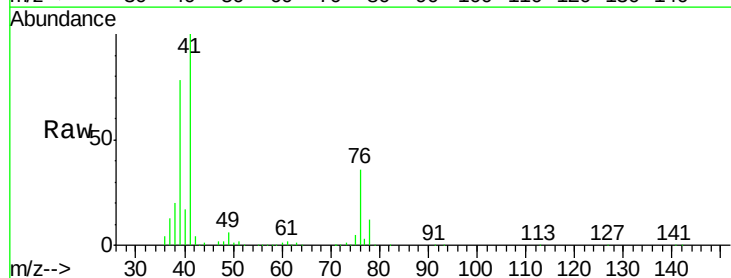
Tgt Ion: 41 Resp: 249981

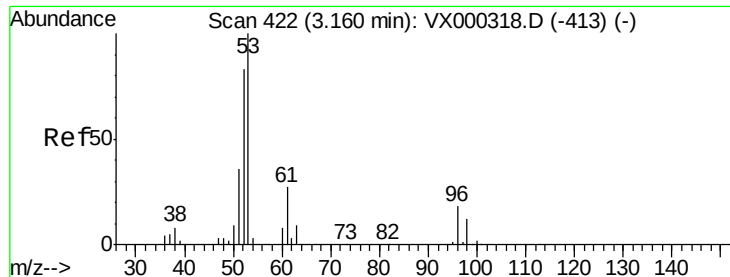
Ion Ratio Lower Upper

41 100

39 72.1 57.6 86.4

76 34.0 27.3 40.9





#15

Acrylonitrile

Concen: 626.65 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.00 min

Lab File: VX000319.D

Acq: 14 Mar 2018 17:41

Instrument :

MSVOA_X

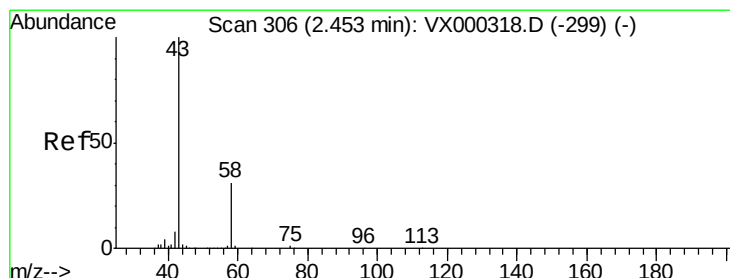
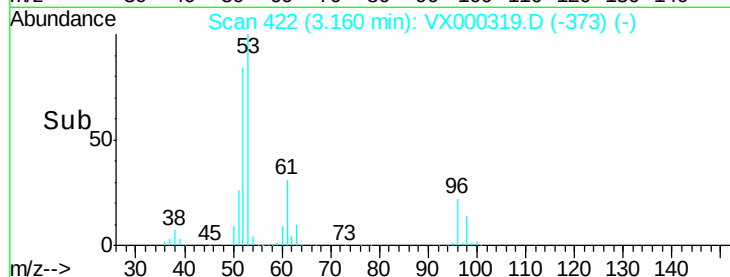
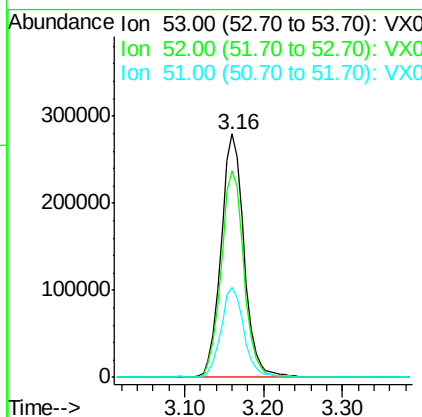
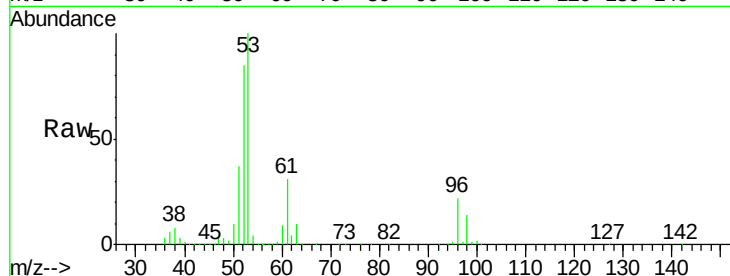
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	565707
Ion Ratio		Lower	Upper
53	100		
52	84.5	66.6	99.8
51	37.5	29.3	43.9

Manual Integrations
APPROVED

sam
3/15/2018 3:37:08 PM



#16

Acetone

Concen: 553.88 ug/l

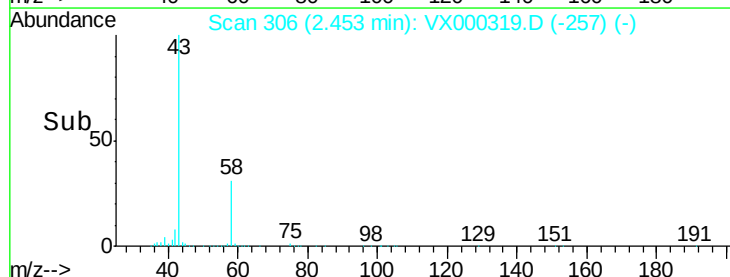
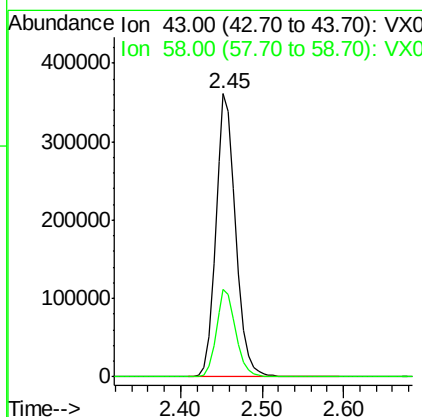
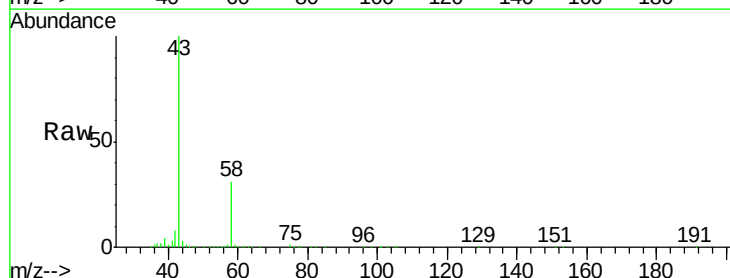
RT: 2.45 min Scan# 306

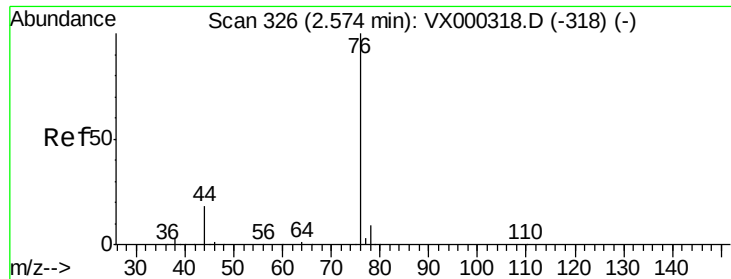
Delta R.T. 0.00 min

Lab File: VX000319.D

Acq: 14 Mar 2018 17:41

Tgt Ion:	43	Resp:	610897
Ion Ratio		Lower	Upper
43	100		
58	31.0	24.7	37.1





#17

Carbon Disulfide

Concen: 115.51 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX000319.D

Acq: 14 Mar 2018 17:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 419016

Ion Ratio Lower Upper

76 100

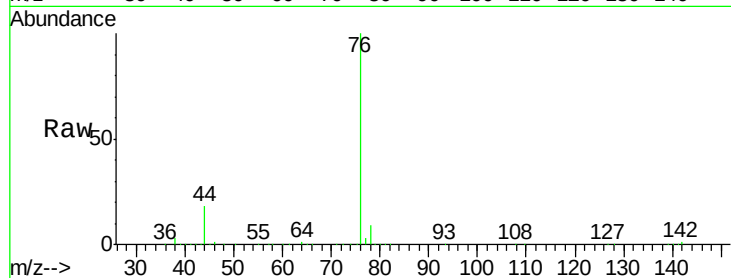
78 9.2 7.0 10.6

Manual Integrations

APPROVED

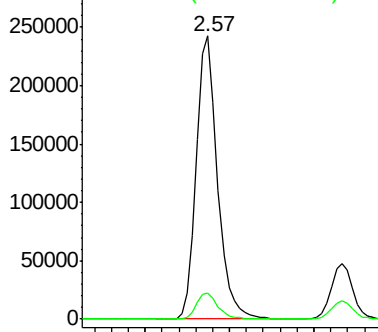
sam

3/15/2018 3:37:08 PM

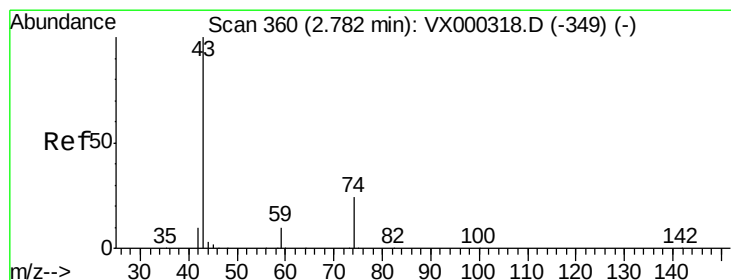
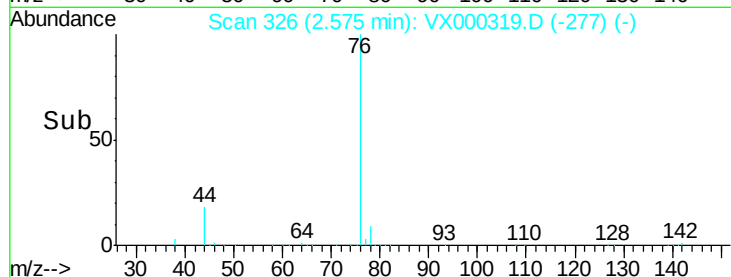


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



Time-->



#18

Methyl Acetate

Concen: 119.29 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX000319.D

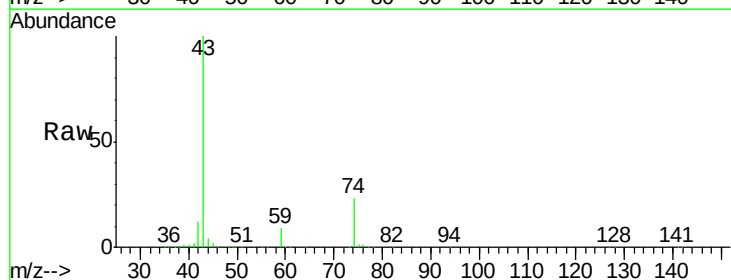
Acq: 14 Mar 2018 17:41

Tgt Ion: 43 Resp: 263263

Ion Ratio Lower Upper

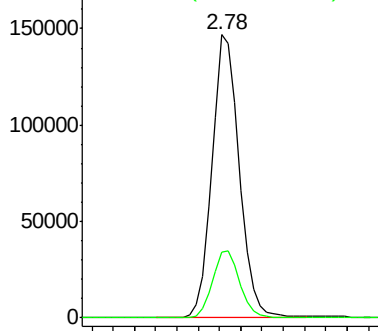
43 100

74 23.6 19.4 29.2

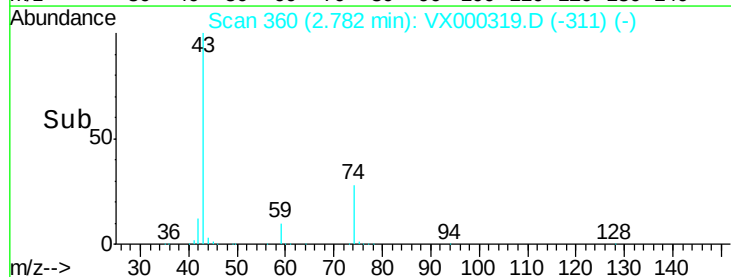


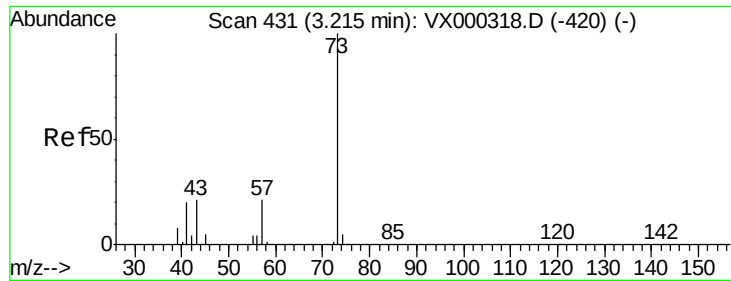
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



Time-->





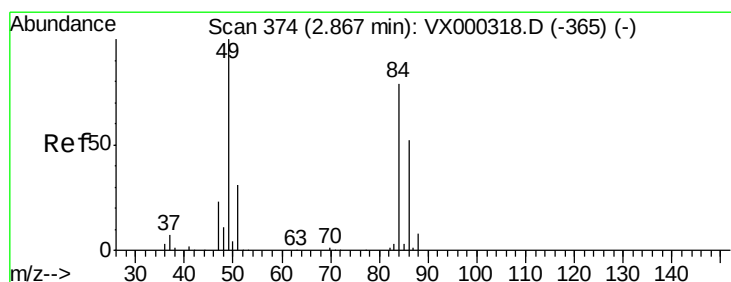
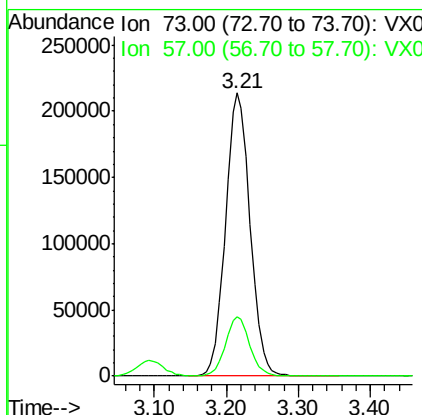
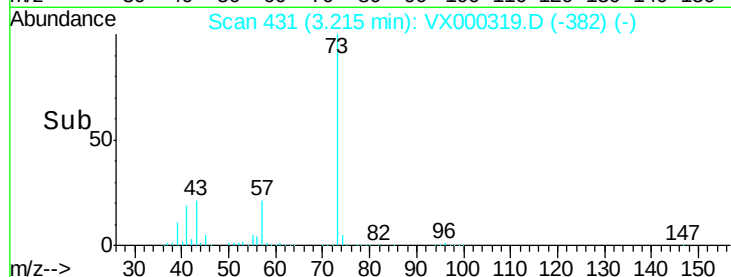
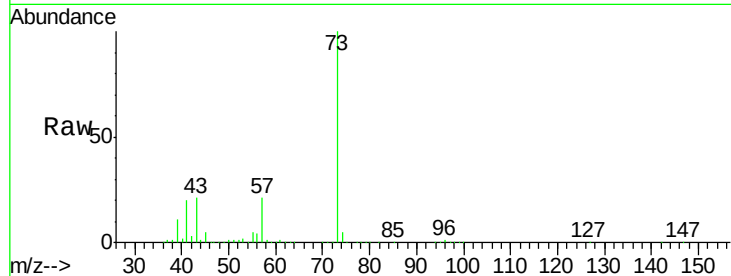
#19
Methyl tert-butyl Ether
Concen: 124.85 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.00 min
Lab File: VX000319.D
Acq: 14 Mar 2018 17:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.1	17.2	25.8

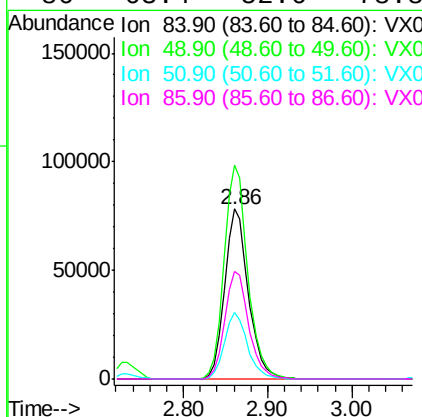
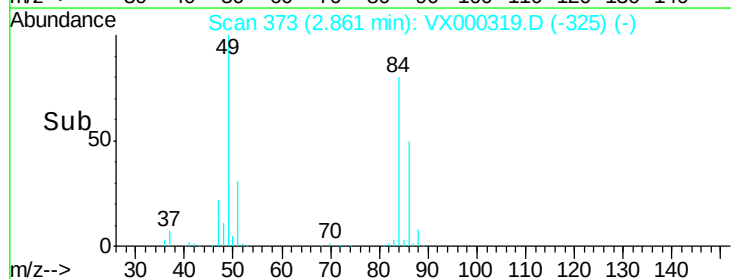
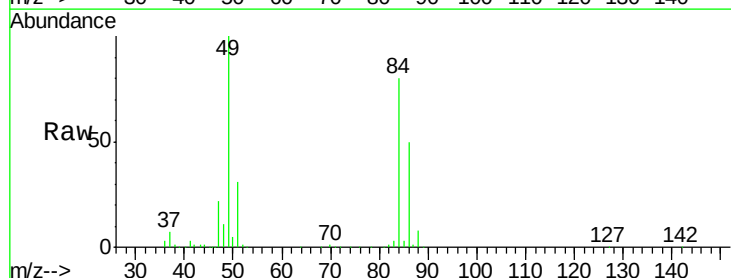
Manual Integrations
APPROVED

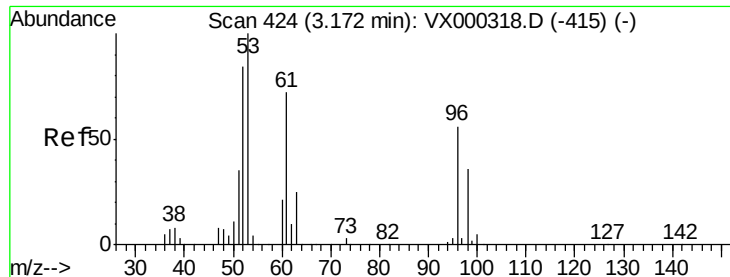
sam
3/15/2018 3:37:08 PM



#20
Methylene Chloride
Concen: 115.76 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.01 min
Lab File: VX000319.D
Acq: 14 Mar 2018 17:41

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.7	100.6	151.0
51	38.9	31.6	47.4
86	63.4	52.6	78.8





#21

trans-1,2-Dichloroethene

Concen: 123.38 ug/l

RT: 3.17 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX000319.D

Acq: 14 Mar 2018 17:41

Instrument :

MSVOA_X

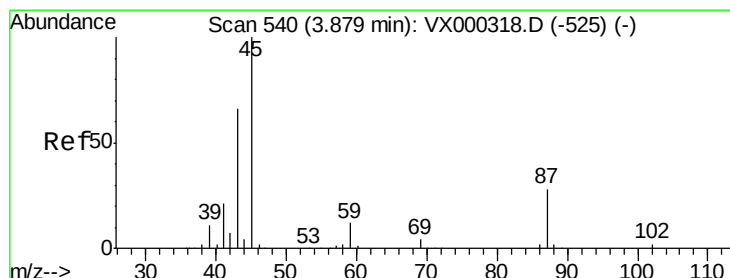
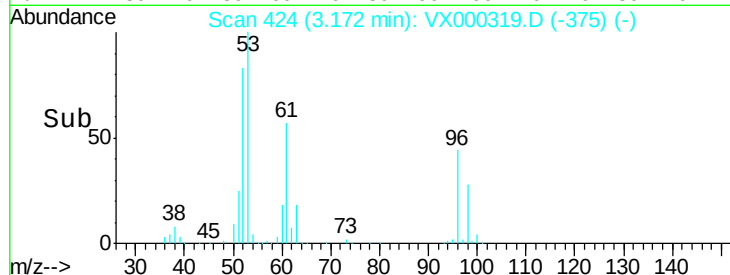
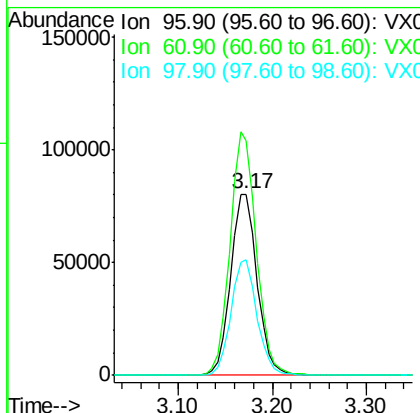
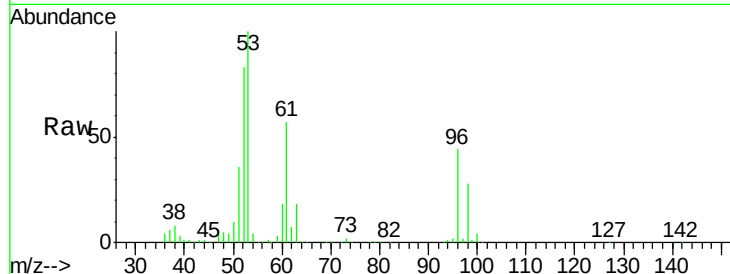
ClientSampled :

VSTDIC100

Tot Ion:	96	Resp:	157010
Ion	Ratio	Lower	Upper
96	100		
61	129.4	104.0	156.0
98	63.4	52.1	78.1

Manual Integrations
APPROVED

sam
3/15/2018 3:37:08 PM



#22

Diisopropyl ether

Concen: 112.82 ug/l

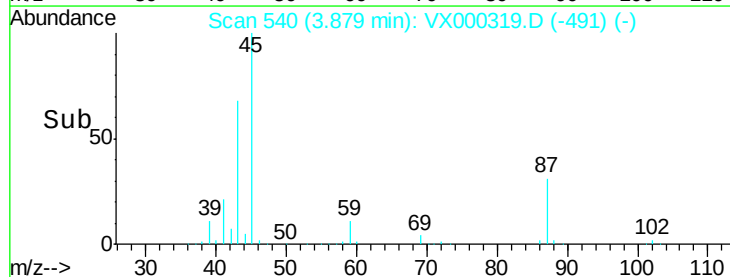
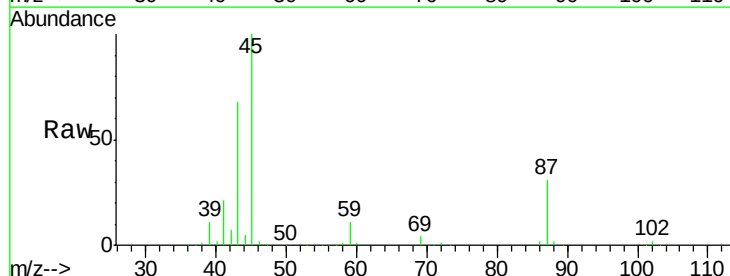
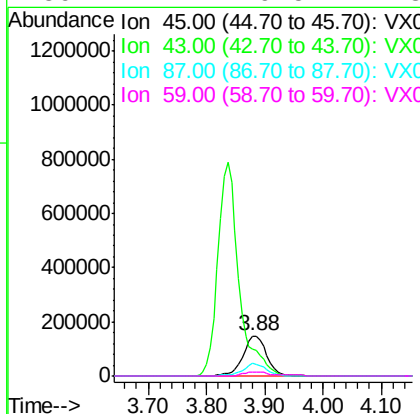
RT: 3.88 min Scan# 540

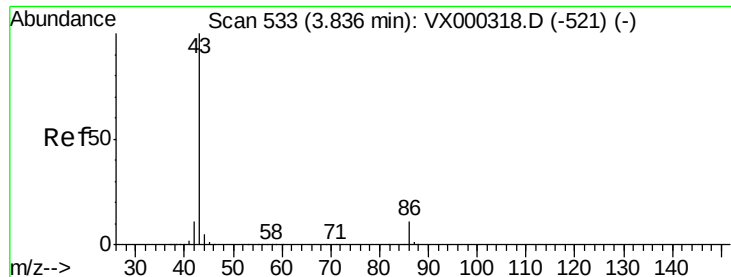
Delta R.T. 0.00 min

Lab File: VX000319.D

Acq: 14 Mar 2018 17:41

Tgt Ion:	45	Resp:	415353
Ion	Ratio	Lower	Upper
45	100		
43	68.4	53.9	80.9
87	30.5	22.6	34.0
59	11.1	9.5	14.3





#23

Vinyl Acetate

Concen: 611.38 ug/l

RT: 3.84 min Scan# 533

Delta R.T. 0.00 min

Lab File: VX000319.D

Acq: 14 Mar 2018 17:41

Tot Ion: 43 Resp: 1997546

Ion Ratio Lower Upper

43 100

86 10.5 8.6 12.8

Instrument :

MSVOA_X

ClientSampleId :

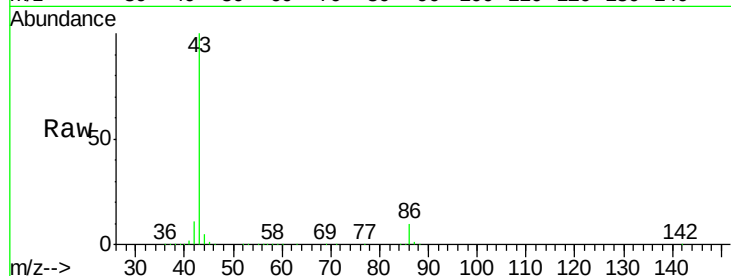
VSTDIC100

Manual Integrations

APPROVED

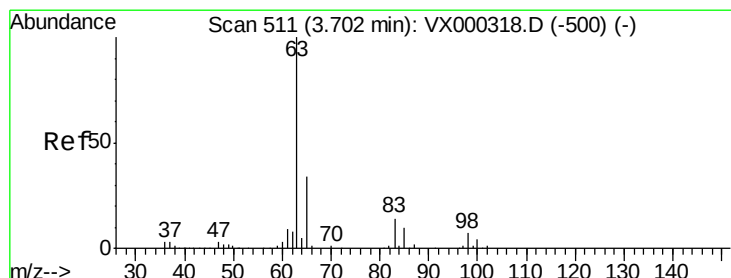
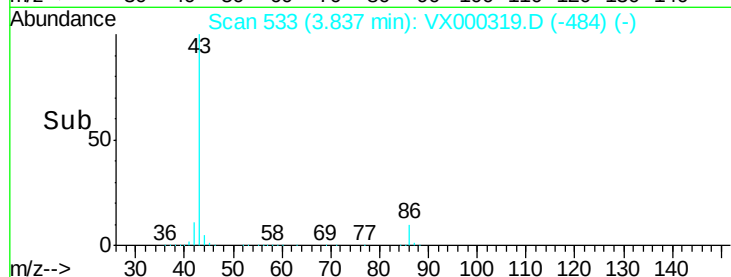
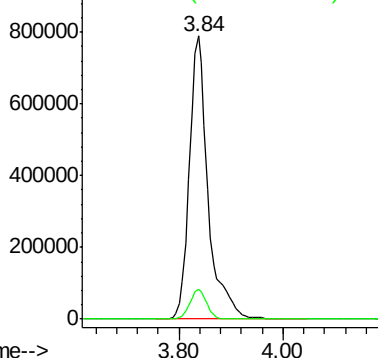
sam

3/15/2018 3:37:08 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 120.05 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.00 min

Lab File: VX000319.D

Acq: 14 Mar 2018 17:41

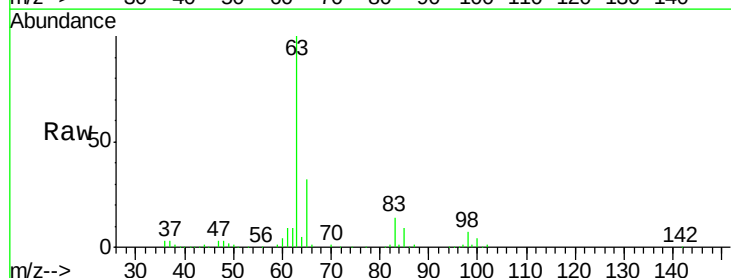
Tgt Ion: 63 Resp: 254857

Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.9

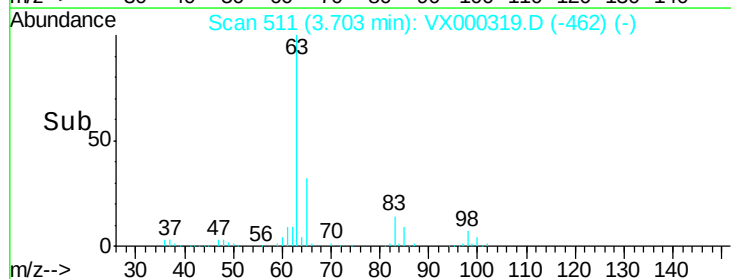
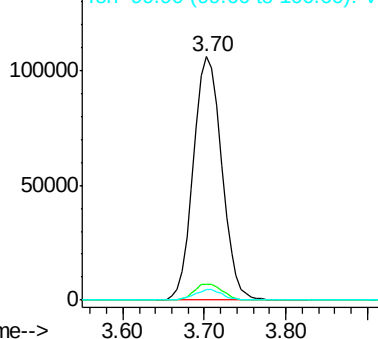
100 4.4 2.0 5.8

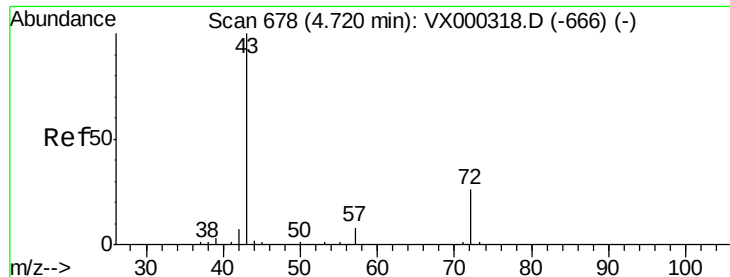


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 510.44 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.00 min

Lab File: VX000319.D

Acq: 14 Mar 2018 17:41

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion: 43 Resp: 749863

Ion Ratio Lower Upper

43 100

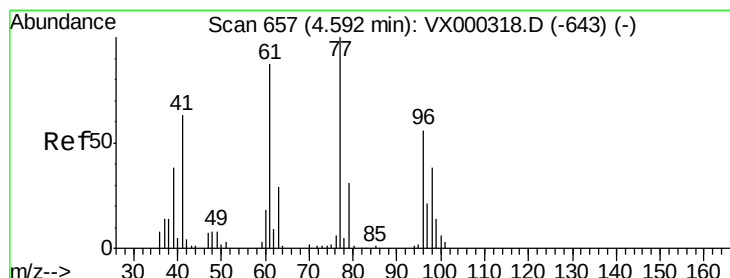
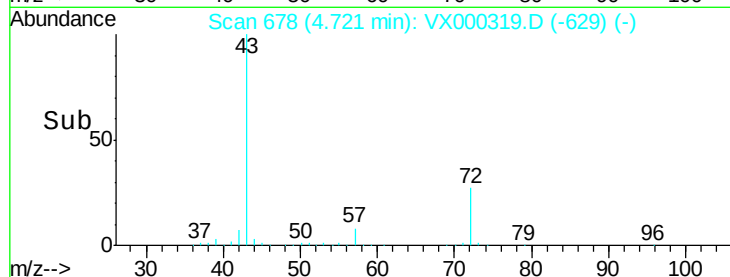
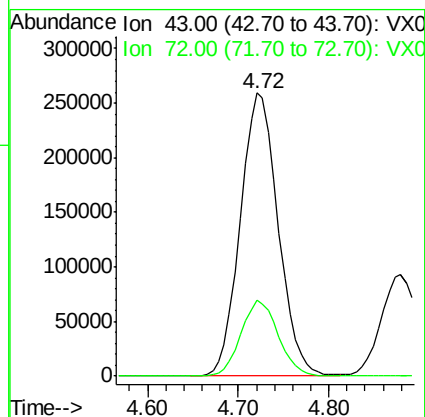
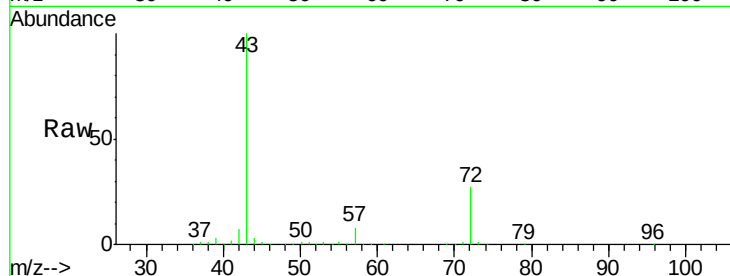
72 26.8 21.0 31.6

Manual Integrations

APPROVED

sam

3/15/2018 3:37:08 PM



#26

2,2-Dichloropropane

Concen: 103.26 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.00 min

Lab File: VX000319.D

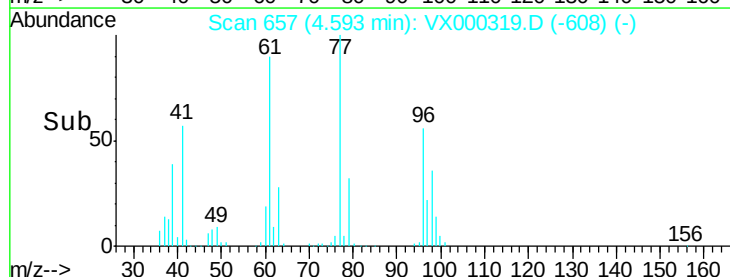
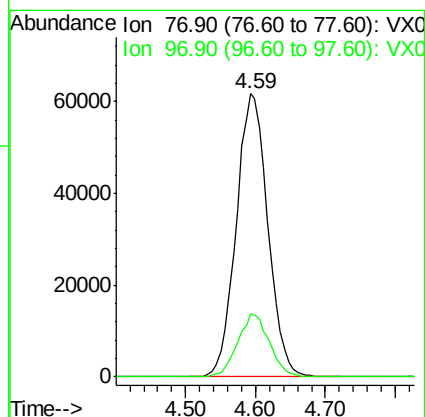
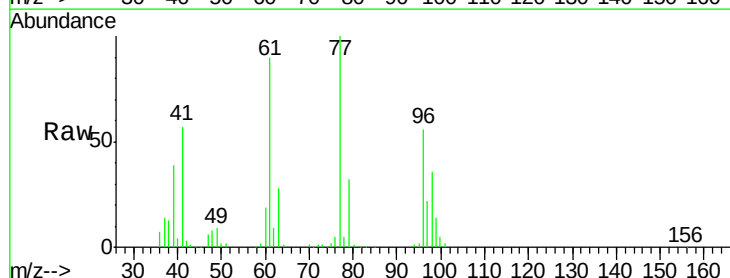
Acq: 14 Mar 2018 17:41

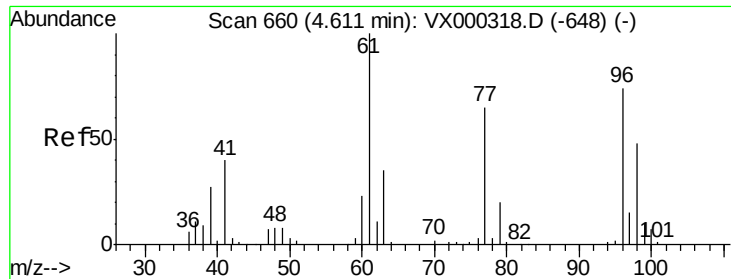
Tgt Ion: 77 Resp: 193235

Ion Ratio Lower Upper

77 100

97 22.2 11.3 33.8





#27

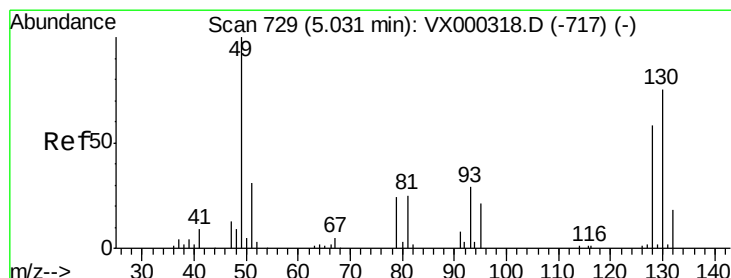
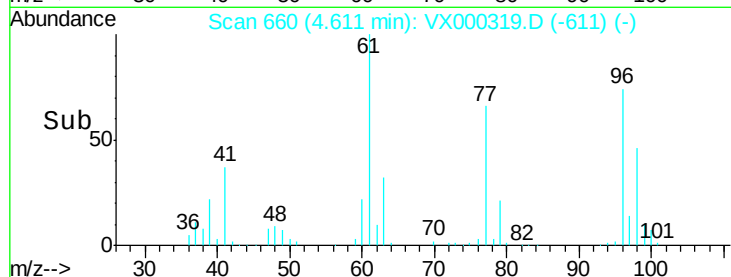
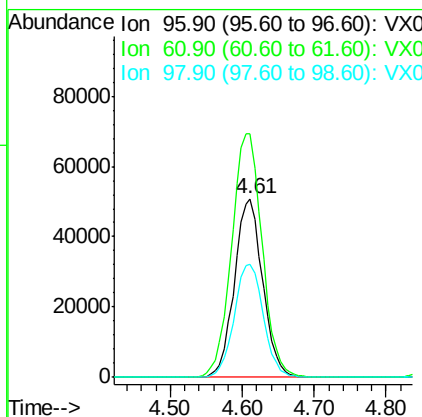
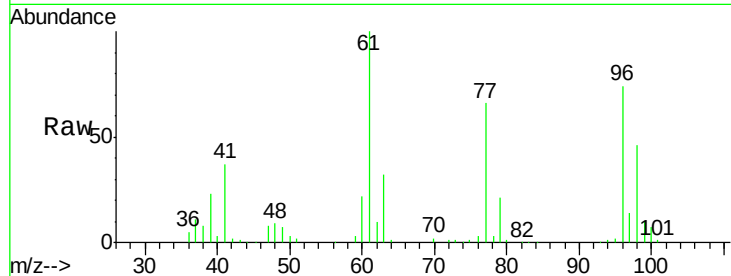
cis-1,2-Dichloroethene
Concen: 104.74 ug/l
RT: 4.61 min Scan# 660
Delta R.T. 0.00 min
Lab File: VX000319.D
Acq: 14 Mar 2018 17:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	138270		
61	147.6	0.0	291.6	
98	65.4	0.0	132.0	

Manual Integrations
APPROVED

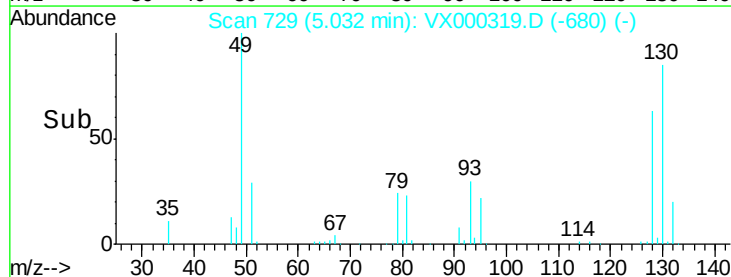
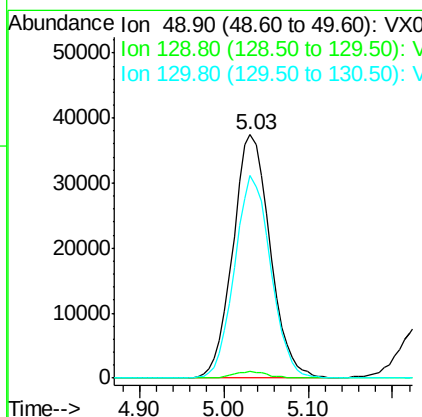
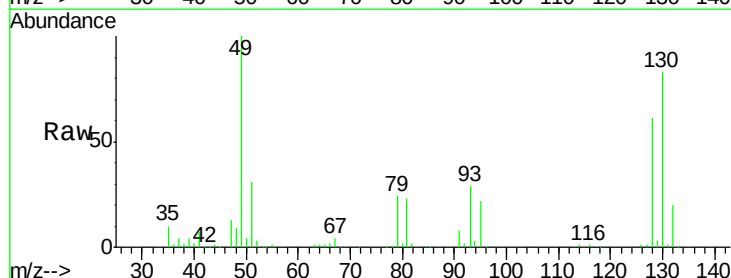
sam
3/15/2018 3:37:08 PM

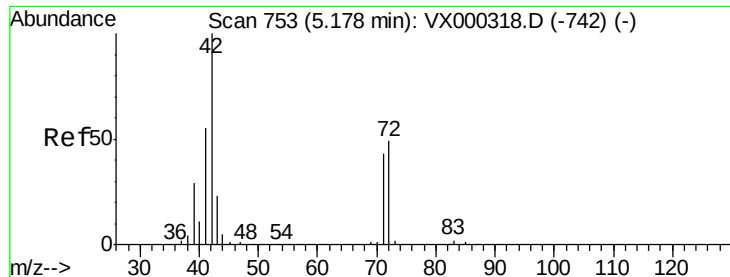


#28

Bromochloromethane
Concen: 112.39 ug/l
RT: 5.03 min Scan# 729
Delta R.T. 0.00 min
Lab File: VX000319.D
Acq: 14 Mar 2018 17:41

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	112444		
129	2.5	0.0	5.0	
130	80.5	64.0	96.0	





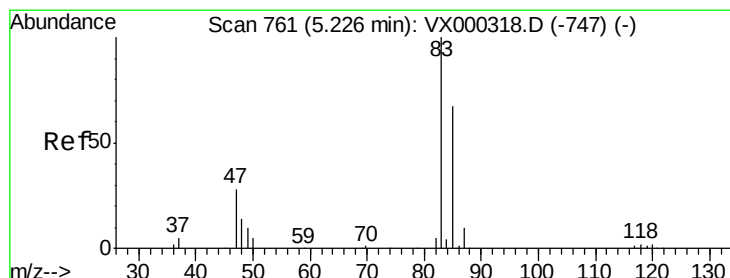
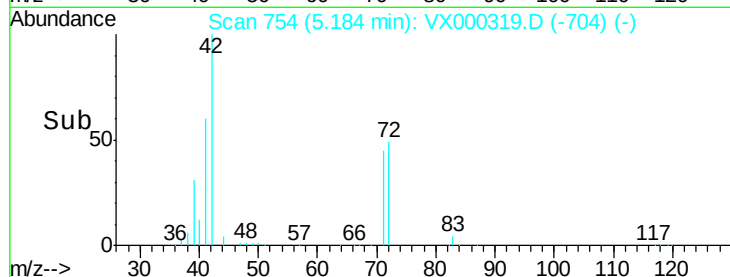
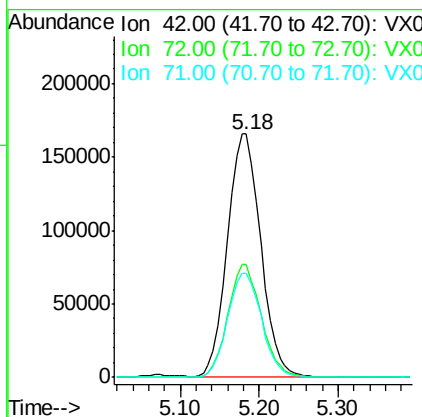
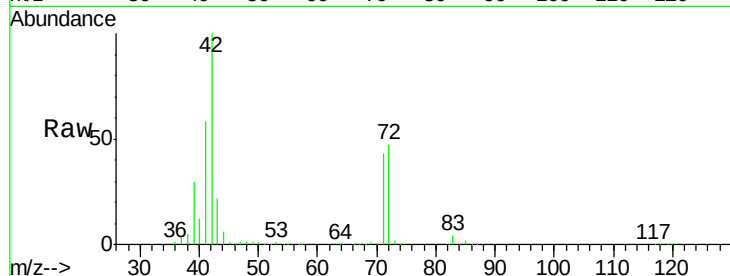
#29
Tetrahydrofuran
Concen: 541.78 ug/l
RT: 5.18 min Scan# 754
Delta R.T. 0.01 min
Lab File: VX000319.D
Acq: 14 Mar 2018 17:41

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.5	37.9	56.9
71	43.7	34.4	51.6

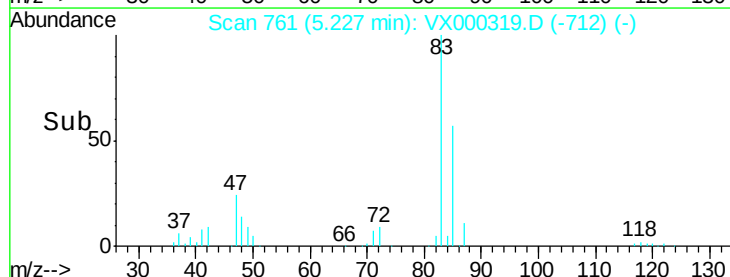
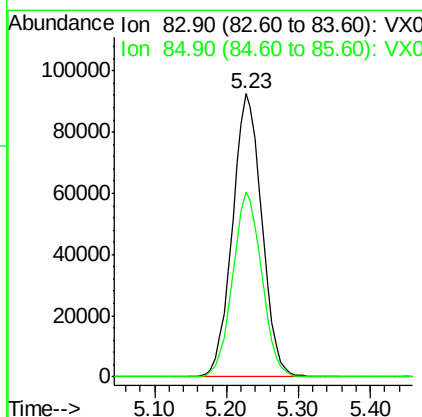
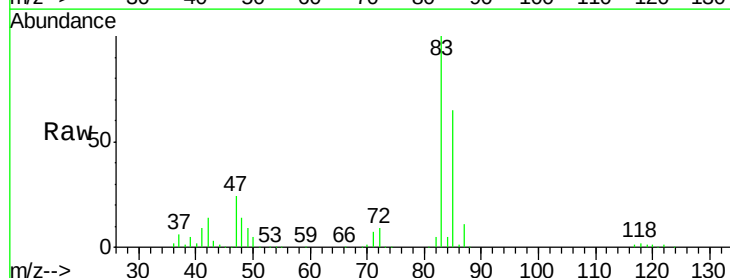
Manual Integrations
APPROVED

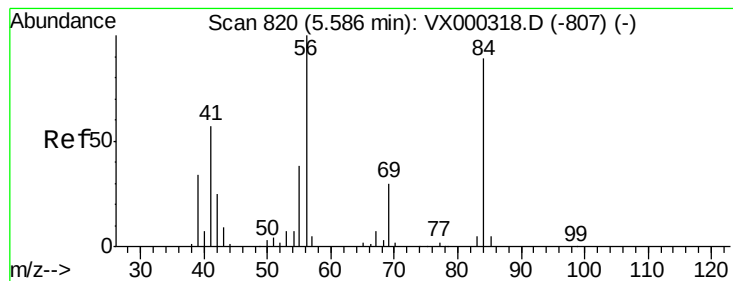
sam
3/15/2018 3:37:08 PM



#30
Chloroform
Concen: 117.49 ug/l
RT: 5.23 min Scan# 761
Delta R.T. 0.00 min
Lab File: VX000319.D
Acq: 14 Mar 2018 17:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	53.3	79.9





#31

Cyclohexane

Concen: 106.01 ug/l

RT: 5.59 min Scan# 820

Delta R.T. 0.00 min

Lab File: VX000319.D

Acq: 14 Mar 2018 17:41

Instrument :

MSVOA_X

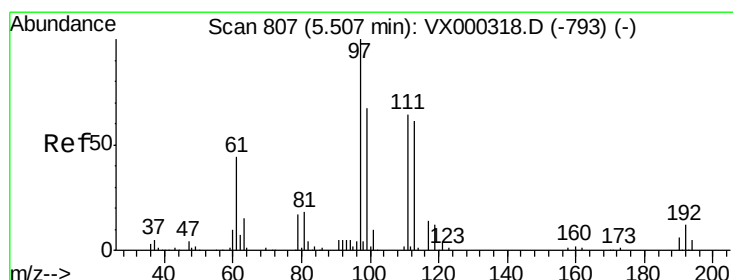
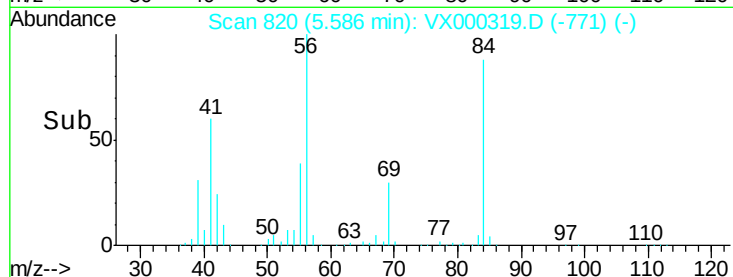
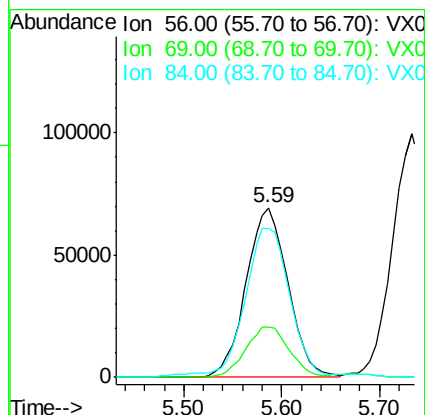
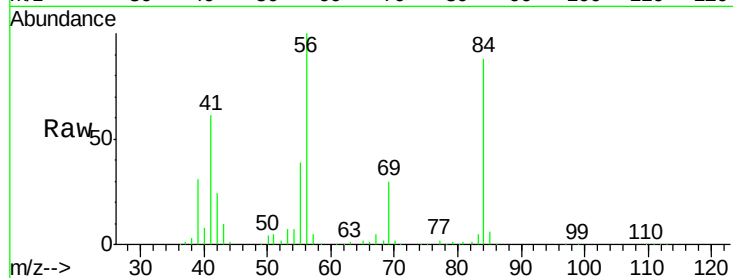
ClientSampled :

VSTDIC100

Tot Ion:	56	Resp:	205546
Ion Ratio	Lower	Upper	
56	100		
69	29.8	23.4	35.0
84	86.6	71.0	106.4

Manual Integrations
APPROVED

sam
3/15/2018 3:37:08 PM



#32

1,1,1-Trichloroethane

Concen: 114.25 ug/l

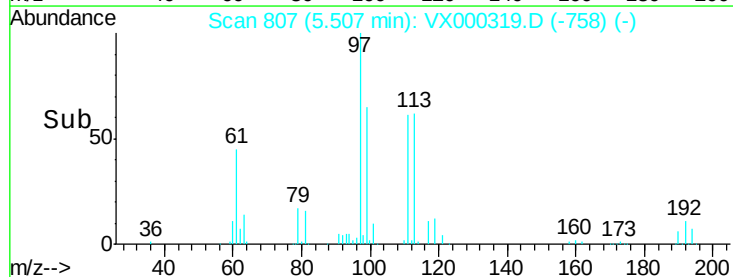
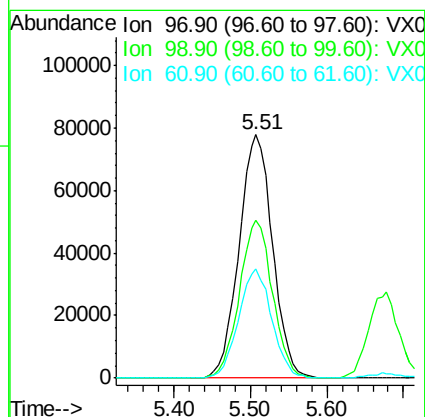
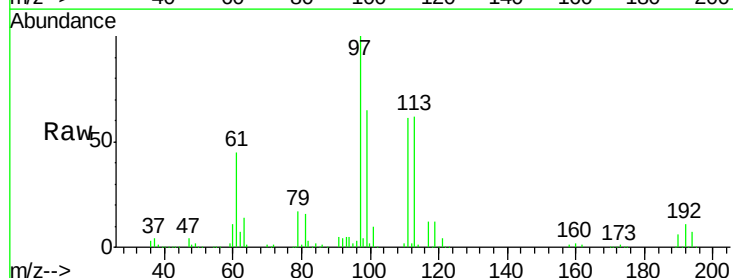
RT: 5.51 min Scan# 807

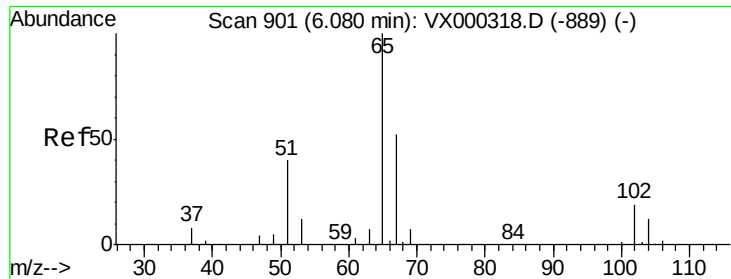
Delta R.T. 0.00 min

Lab File: VX000319.D

Acq: 14 Mar 2018 17:41

Tgt Ion:	97	Resp:	236660
Ion Ratio	Lower	Upper	
97	100		
99	64.2	52.1	78.1
61	44.4	36.2	54.4





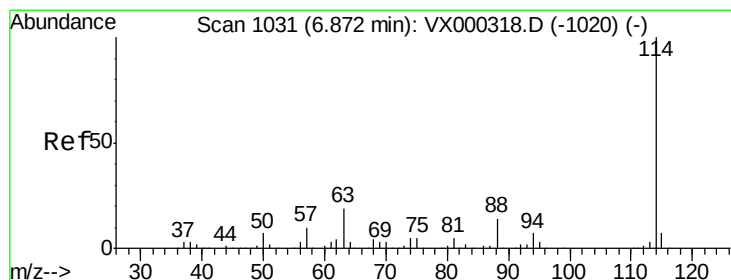
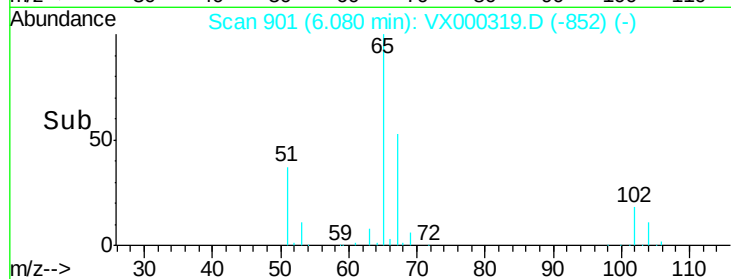
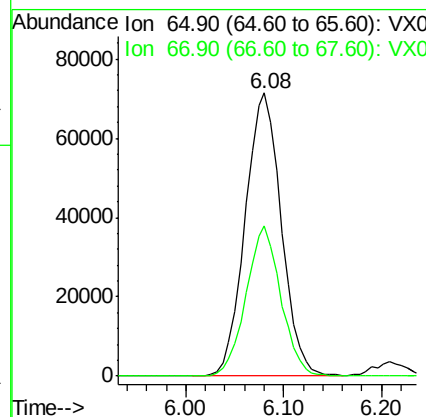
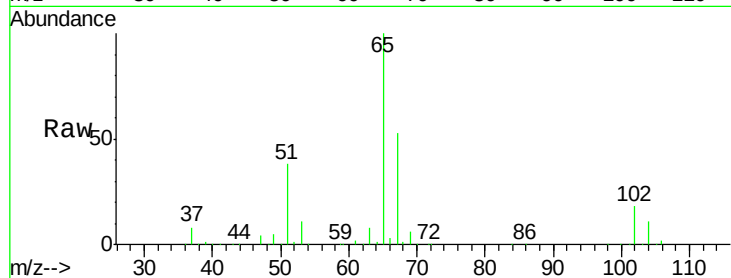
#33
 1,2-Dichloroethane-d4
 Concen: 125.56 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: VX000319.D
 Acq: 14 Mar 2018 17:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	183565		
67	50.9	0.0	103.2	

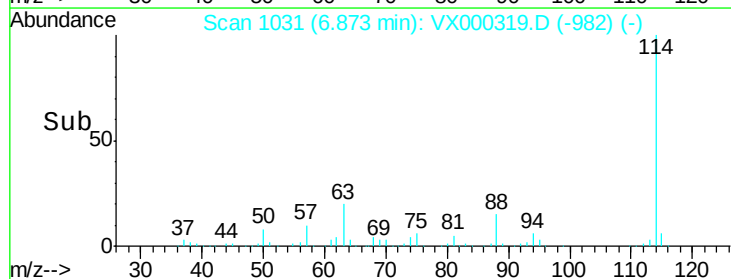
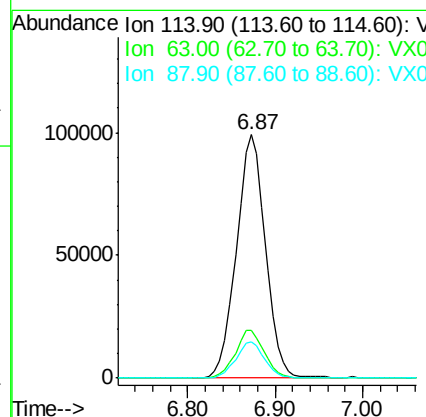
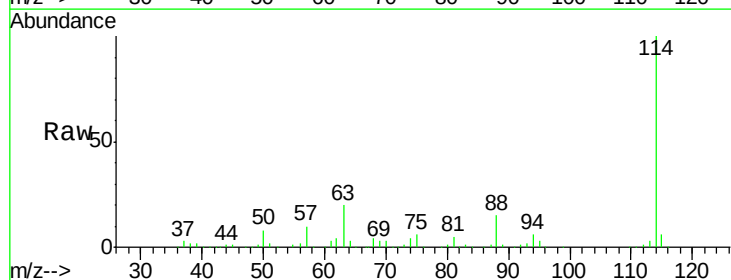
Manual Integrations
 APPROVED

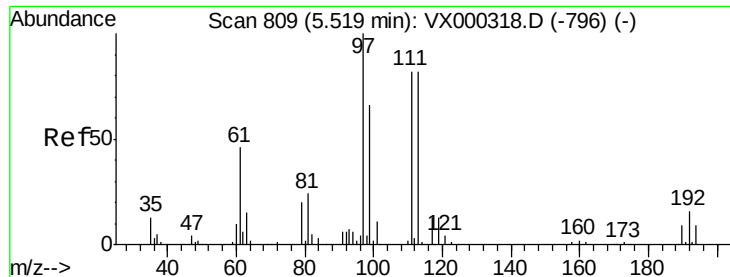
sam
 3/15/2018 3:37:08 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.00 min
 Lab File: VX000319.D
 Acq: 14 Mar 2018 17:41

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	228919		
63	19.8	0.0	38.4	
88	14.8	0.0	27.0	





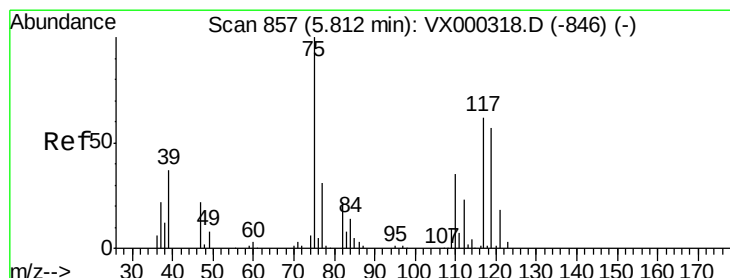
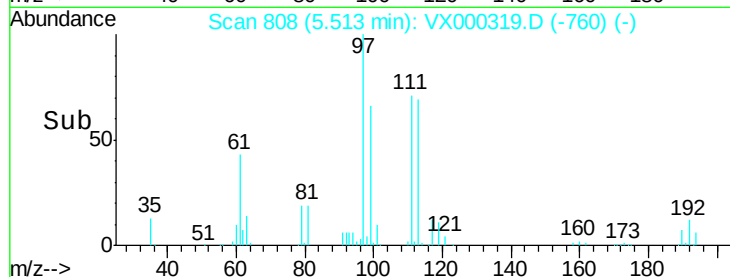
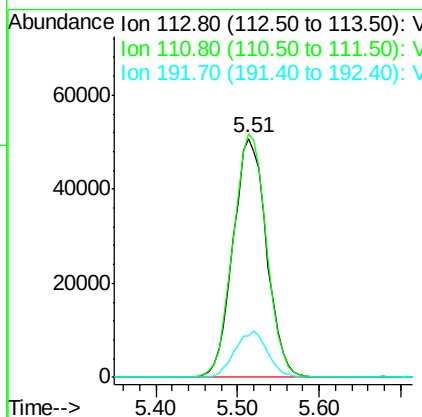
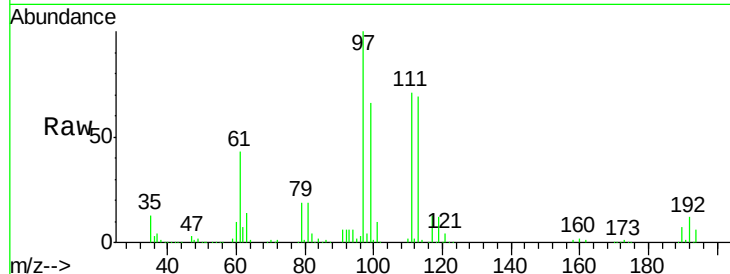
#35
Dibromofluoromethane
Concen: 99.12 ug/l
RT: 5.51 min Scan# 808
Delta R.T. -0.01 min
Lab File: VX000319.D
Acq: 14 Mar 2018 17:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.4	123.6
192	19.0	15.8	23.6

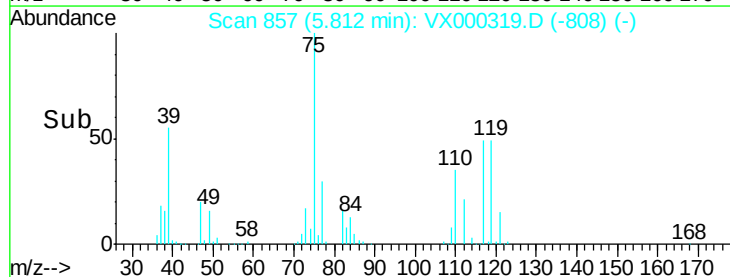
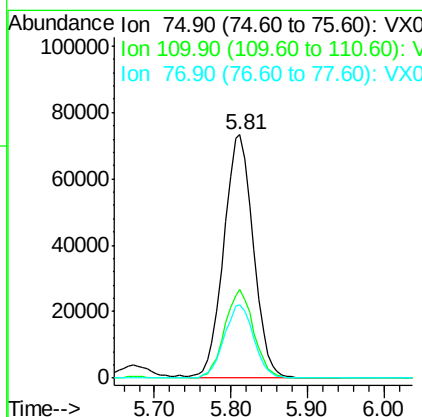
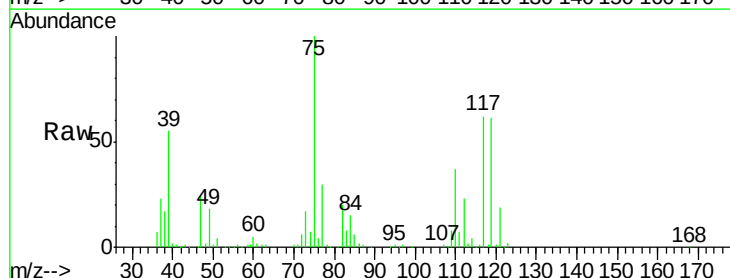
Manual Integrations
APPROVED

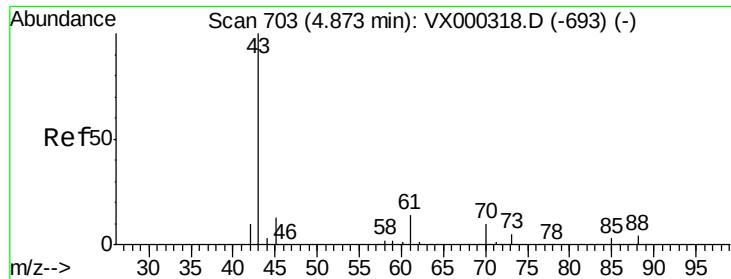
sam
3/15/2018 3:37:08 PM



#36
1,1-Dichloropropene
Concen: 96.79 ug/l
RT: 5.81 min Scan# 857
Delta R.T. 0.00 min
Lab File: VX000319.D
Acq: 14 Mar 2018 17:41

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.6	17.9	53.7
77	29.9	24.0	36.0





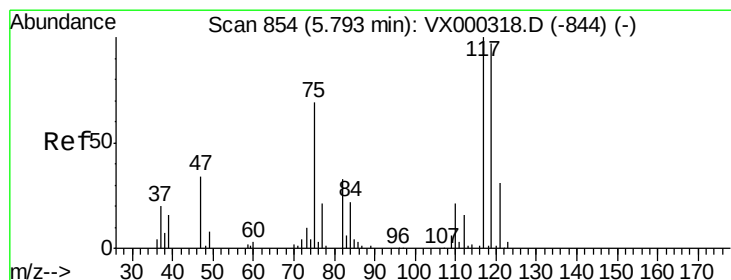
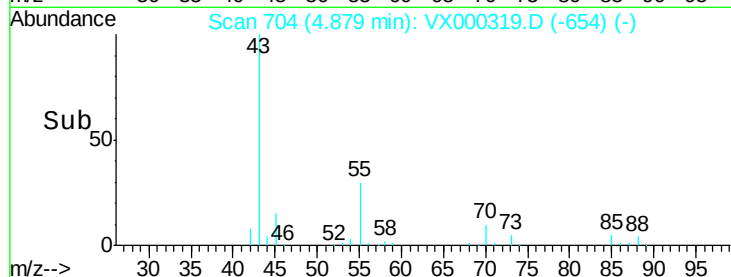
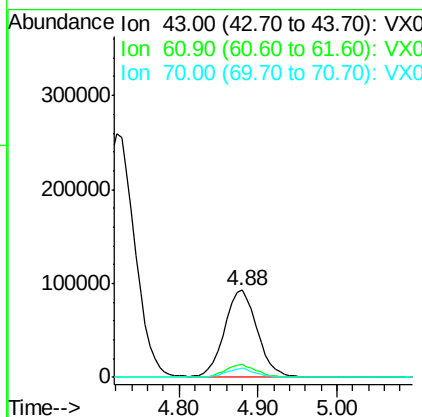
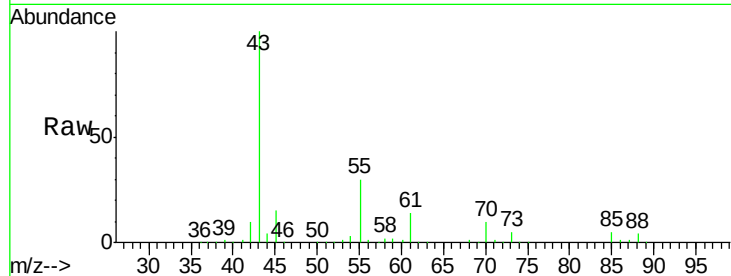
#37
Ethyl Acetate
Concen: 94.92 ug/l
RT: 4.88 min Scan# 704
Delta R.T. 0.01 min
Lab File: VX000319.D
Acq: 14 Mar 2018 17:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.1	16.7
70	9.7	7.7	11.5

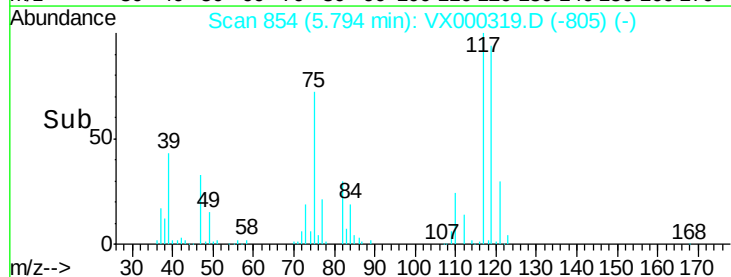
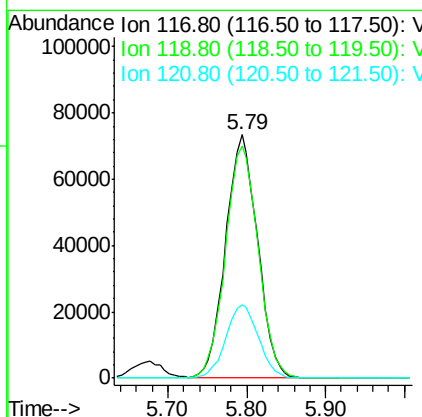
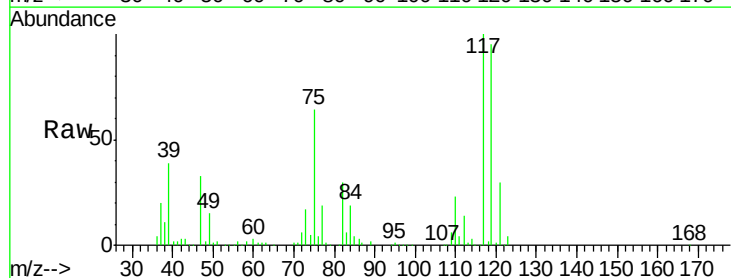
Manual Integrations
APPROVED

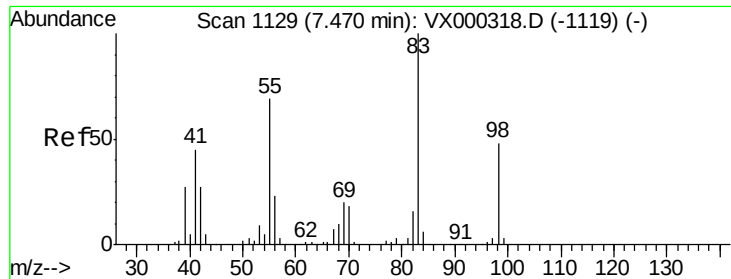
sam
3/15/2018 3:37:08 PM



#38
Carbon Tetrachloride
Concen: 93.55 ug/l
RT: 5.79 min Scan# 854
Delta R.T. 0.00 min
Lab File: VX000319.D
Acq: 14 Mar 2018 17:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	77.4	116.2
121	29.9	24.8	37.2





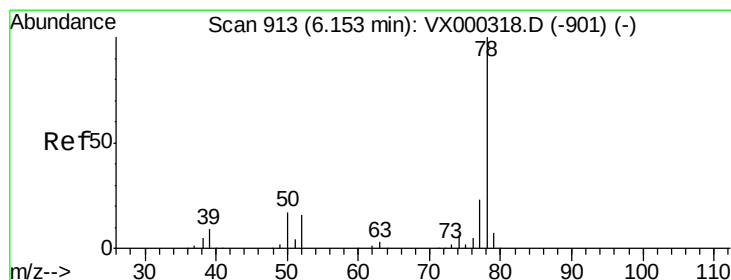
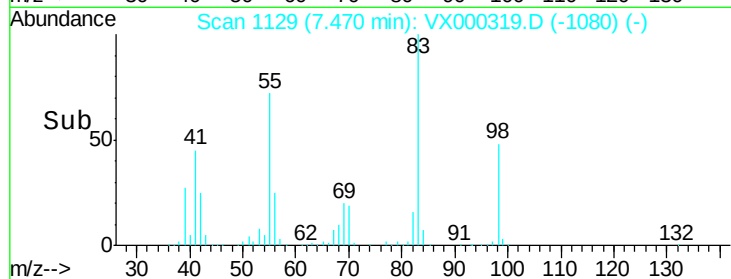
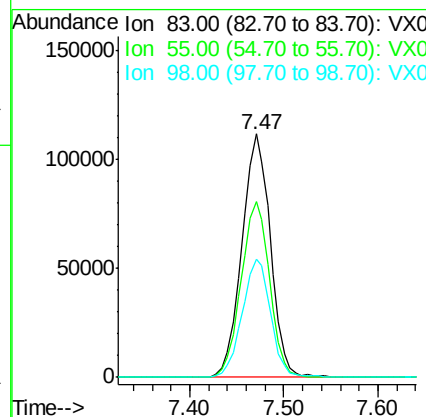
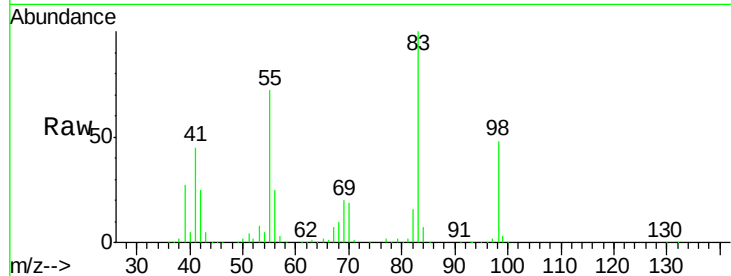
#39
Methylvlcyclohexane
Concen: 92.45 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VX000319.D
Acq: 14 Mar 2018 17:41

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	236198		
55	72.2		55.5	83.3
98	48.5		38.2	57.4

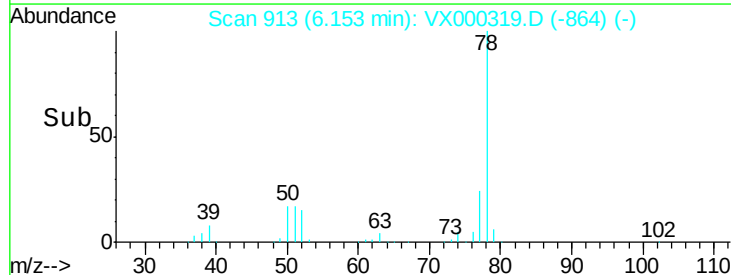
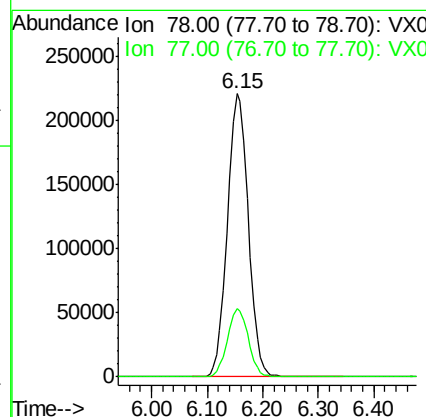
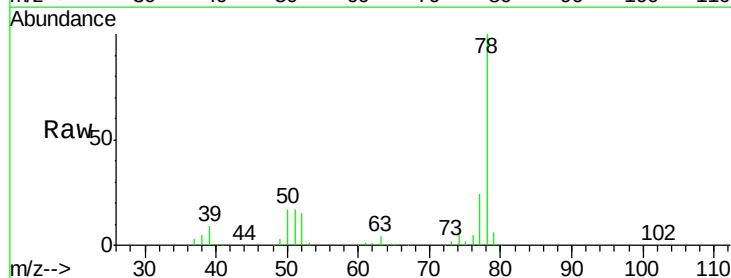
Manual Integrations
APPROVED

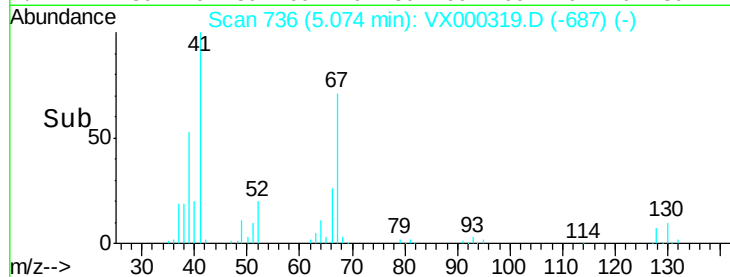
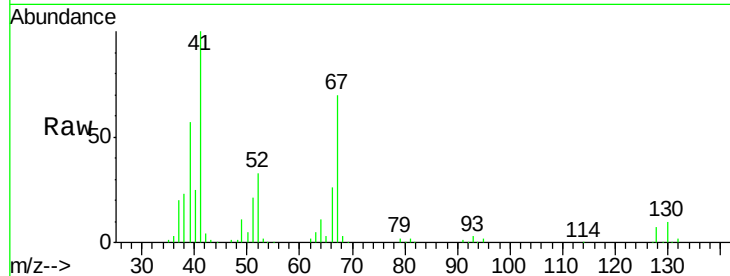
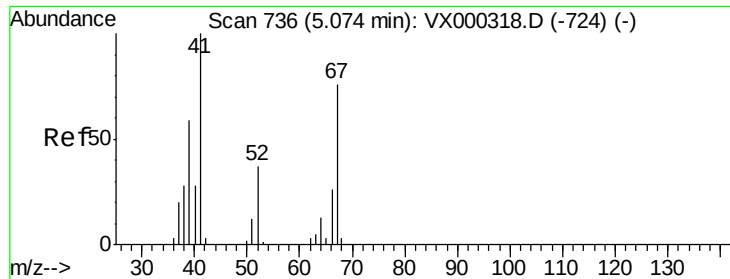
sam
3/15/2018 3:37:08 PM



#40
Benzene
Concen: 99.83 ug/l
RT: 6.15 min Scan# 913
Delta R.T. 0.00 min
Lab File: VX000319.D
Acq: 14 Mar 2018 17:41

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	574539		
77	24.3		18.7	28.1





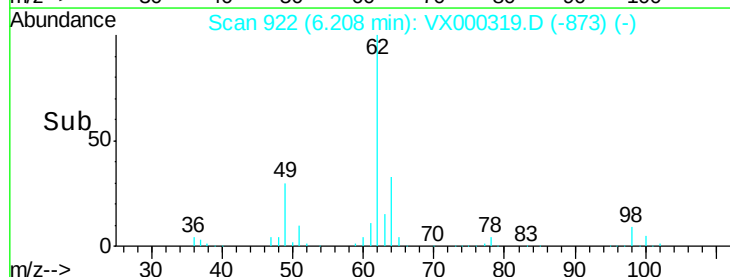
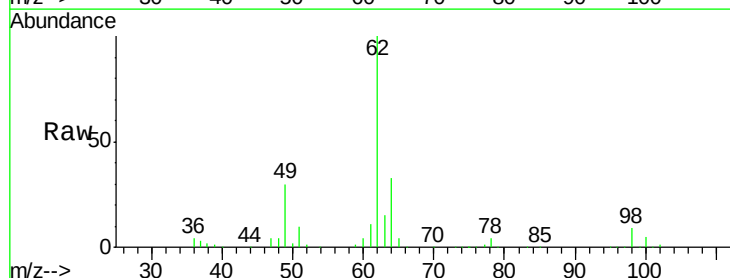
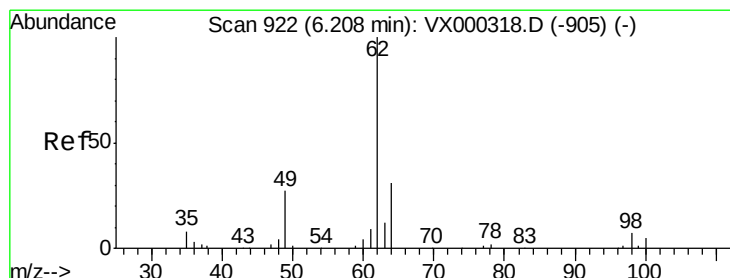
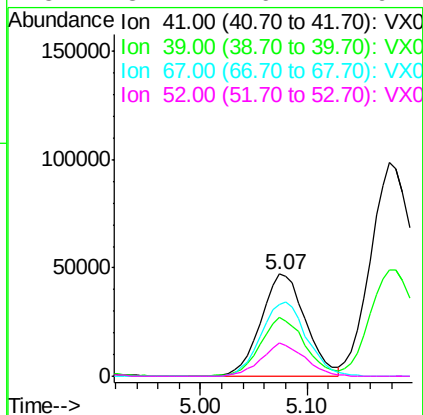
#41
Methacrylonitrile
Concen: 92.73 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.00 min
Lab File: VX000319.D
Acq: 14 Mar 2018 17:41

Tot Ion:	41	Resp:	137759
Ion	Ratio	Lower	Upper
41	100		
39	56.8	45.7	68.5
67	74.0	57.8	86.8
52	31.7	26.7	40.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

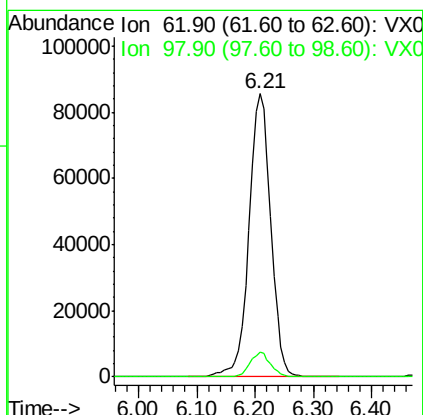
Manual Integrations
APPROVED

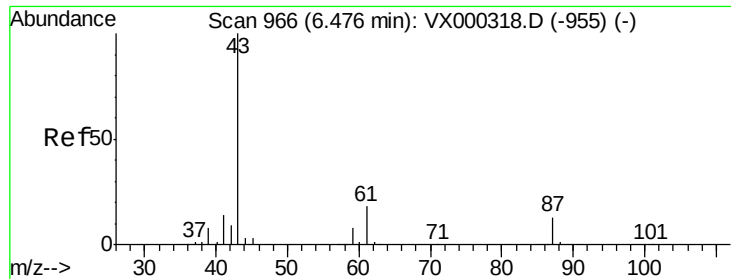
sam
3/15/2018 3:37:08 PM



#42
1,2-Dichloroethane
Concen: 106.18 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.00 min
Lab File: VX000319.D
Acq: 14 Mar 2018 17:41

Tgt Ion:	62	Resp:	221739
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	15.8





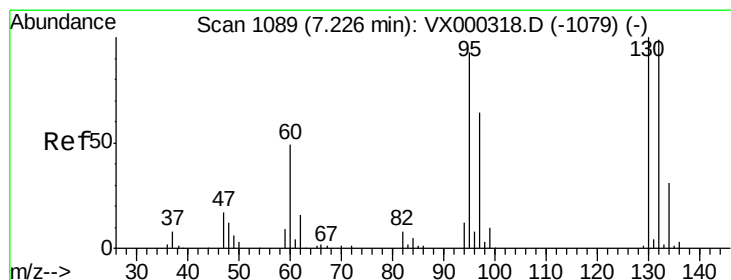
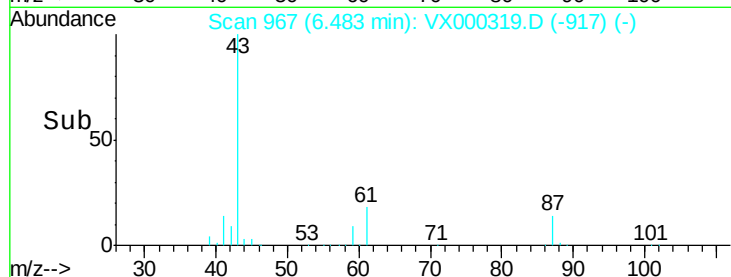
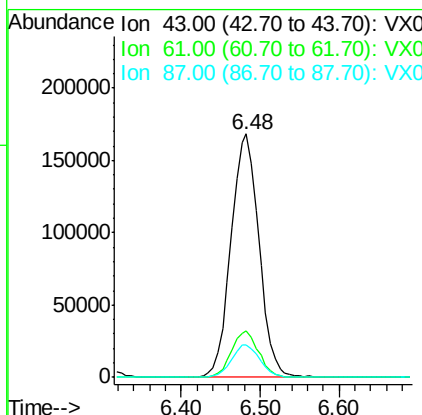
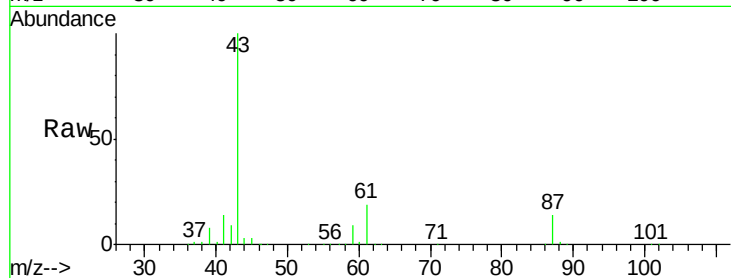
#43
Isopropyl Acetate
Concen: 98.74 ug/l
RT: 6.48 min Scan# 967
Delta R.T. 0.01 min
Lab File: VX000319.D
Acq: 14 Mar 2018 17:41

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.7	14.4	21.6
87	13.4	11.0	16.4

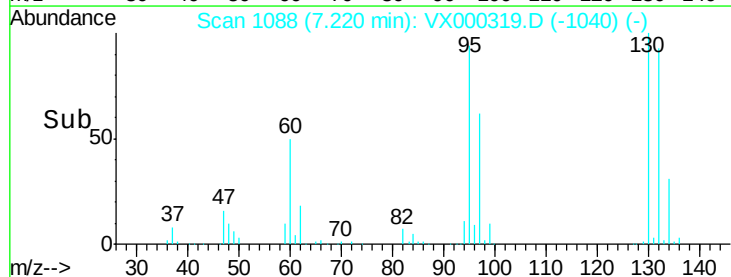
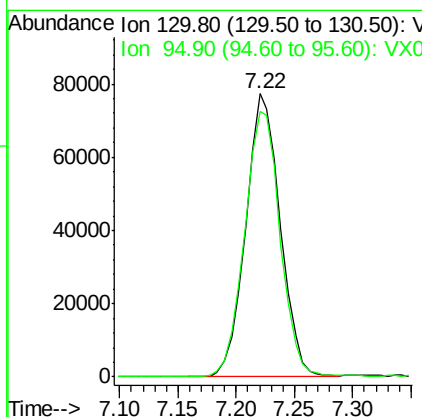
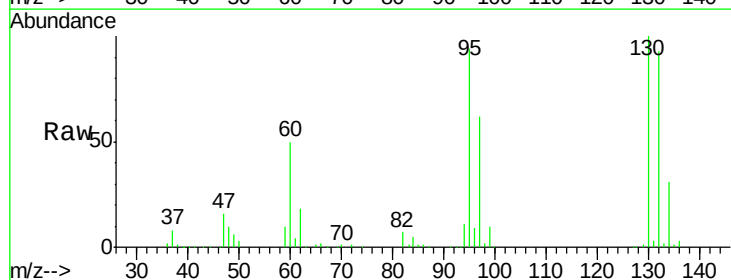
Manual Integrations
APPROVED

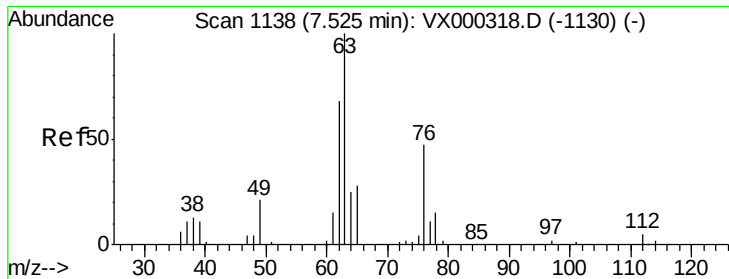
sam
3/15/2018 3:37:08 PM



#44
Trichloroethene
Concen: 87.53 ug/l
RT: 7.22 min Scan# 1088
Delta R.T. -0.01 min
Lab File: VX000319.D
Acq: 14 Mar 2018 17:41

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.9	0.0	186.0





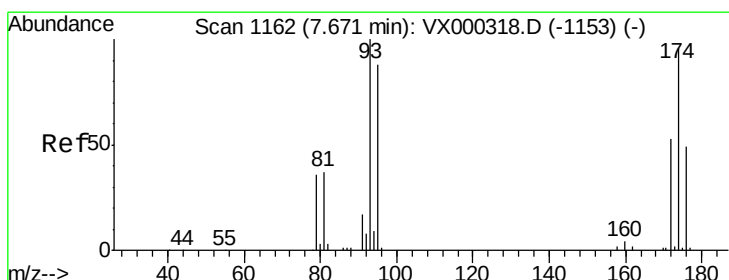
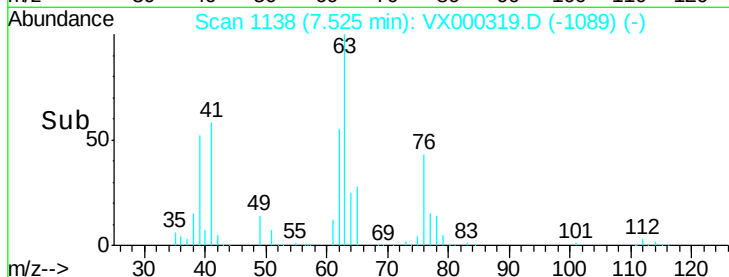
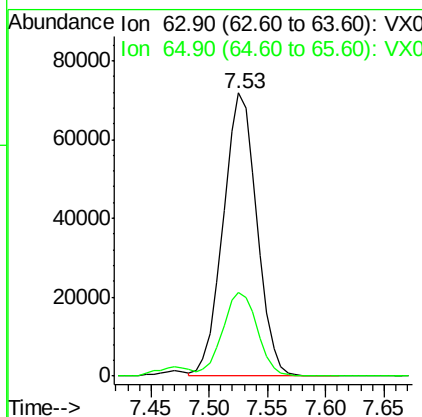
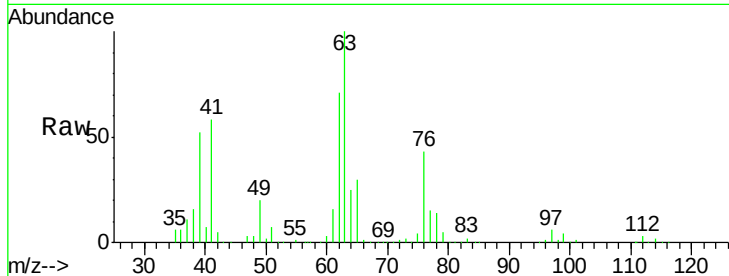
#45
 1,2-Dichloropropane
 Concen: 97.25 ug/l
 RT: 7.53 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VX000319.D
 Acq: 14 Mar 2018 17:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Tot Ion: 63 Resp: 144058
 Ion Ratio Lower Upper
 63 100
 65 29.6 24.6 36.8

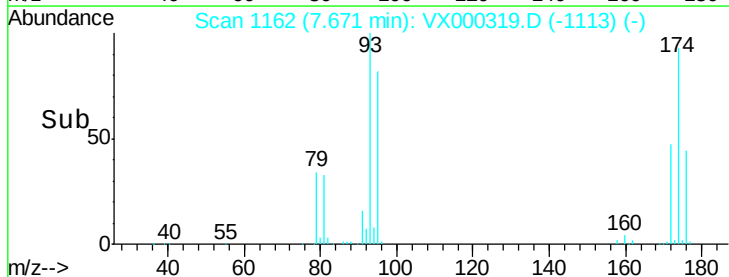
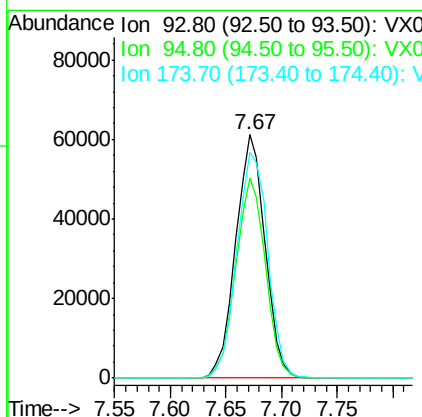
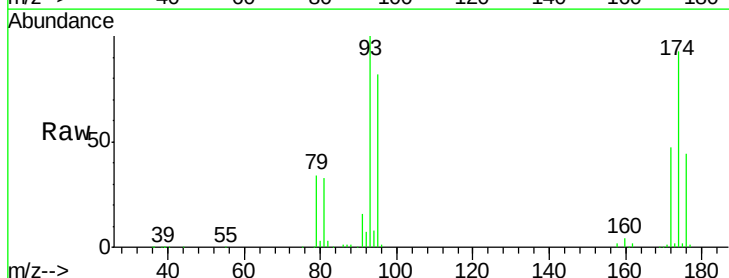
Manual Integrations
 APPROVED

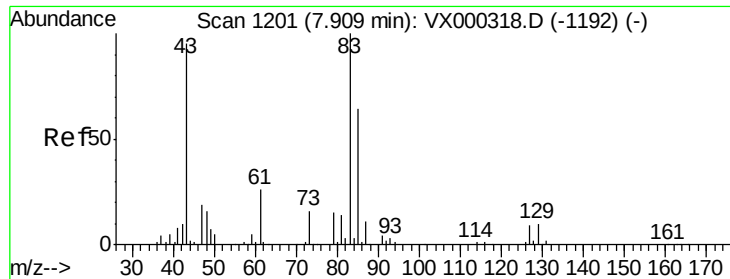
sam
 3/15/2018 3:37:08 PM



#46
 Dibromomethane
 Concen: 101.06 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. 0.00 min
 Lab File: VX000319.D
 Acq: 14 Mar 2018 17:41

Tgt Ion: 93 Resp: 111669
 Ion Ratio Lower Upper
 93 100
 95 83.2 66.5 99.7
 174 98.2 76.0 114.0





#47

Bromodichloromethane

Concen: 102.08 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VX000319.D

Acq: 14 Mar 2018 17:41

Instrument :

MSVOA_X

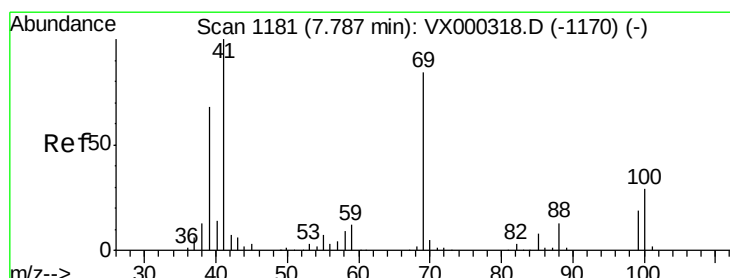
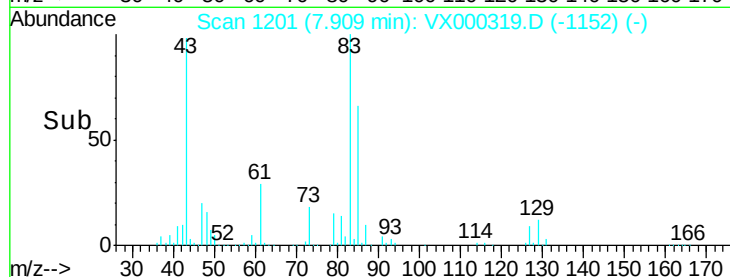
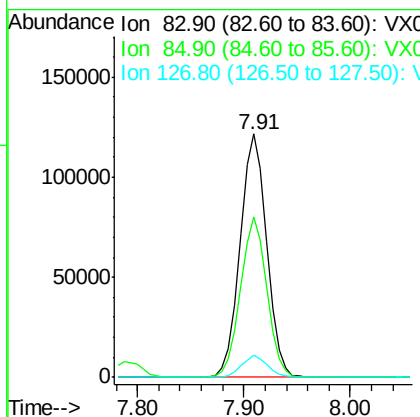
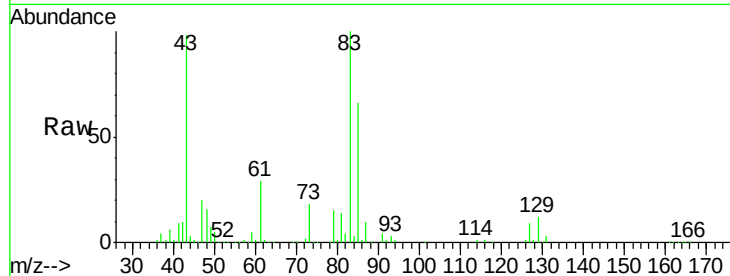
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	213500
Ion Ratio	Lower	Upper	
83	100		
85	65.8	51.4	77.0
127	9.1	7.0	10.6

Manual Integrations
APPROVED

sam
3/15/2018 3:37:08 PM



#48

Methyl methacrylate

Concen: 98.34 ug/l

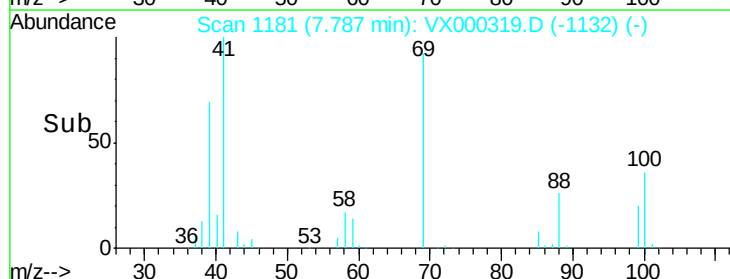
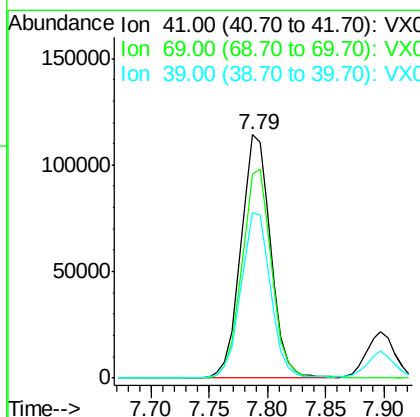
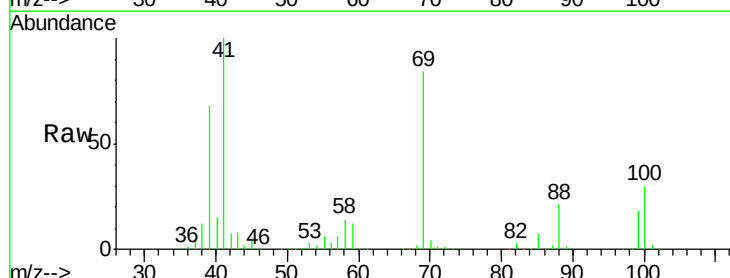
RT: 7.79 min Scan# 1181

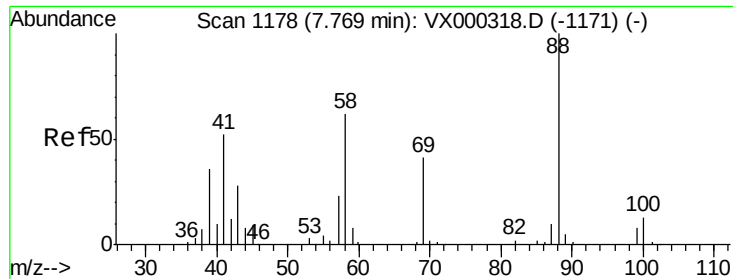
Delta R.T. 0.00 min

Lab File: VX000319.D

Acq: 14 Mar 2018 17:41

Tgt Ion:	41	Resp:	204285
Ion Ratio	Lower	Upper	
41	100		
69	85.6	68.2	102.4
39	67.2	54.6	81.8





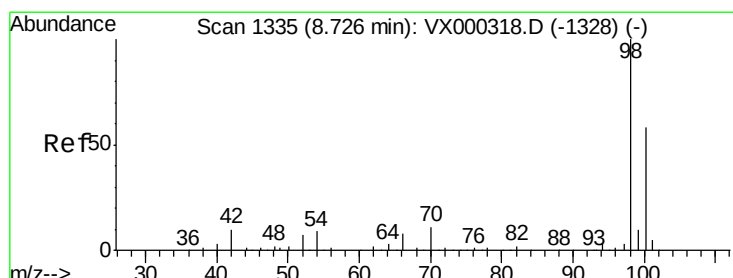
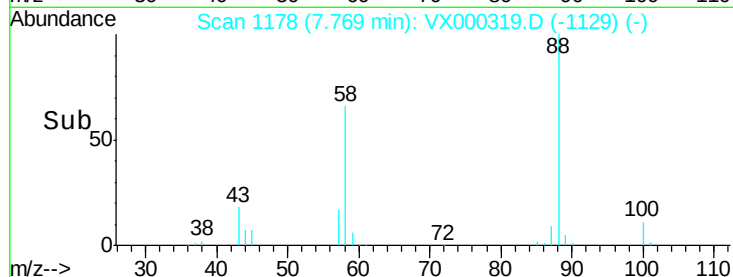
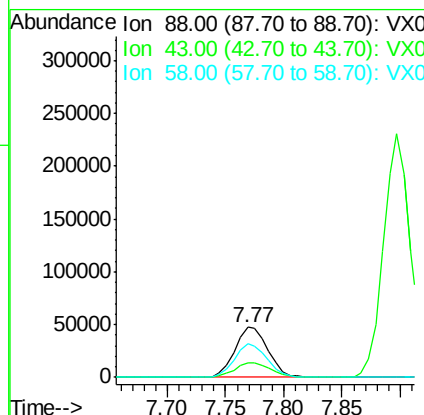
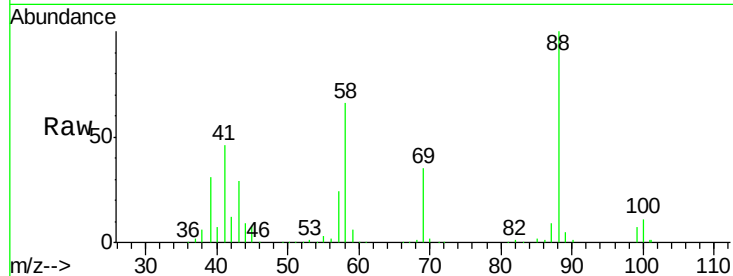
#49
1,4-Dioxane
Concen: 1788.24 ug/l
RT: 7.77 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VX000319.D
Acq: 14 Mar 2018 17:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.1	26.8	40.2
58	66.2	52.2	78.2

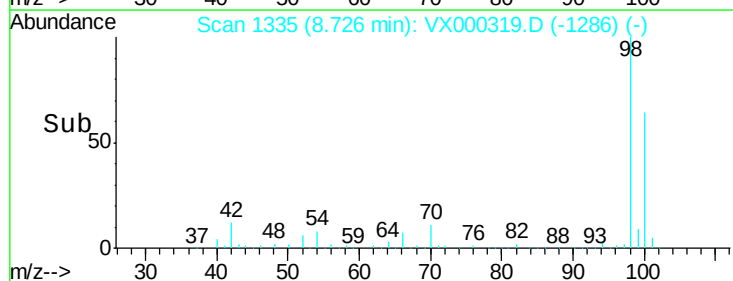
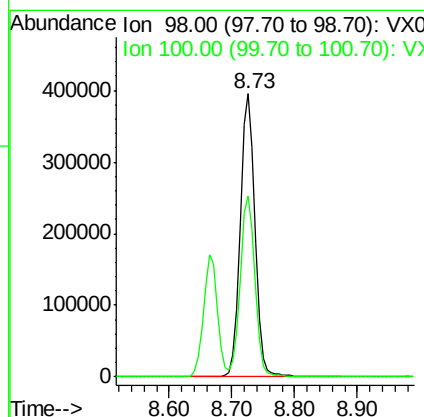
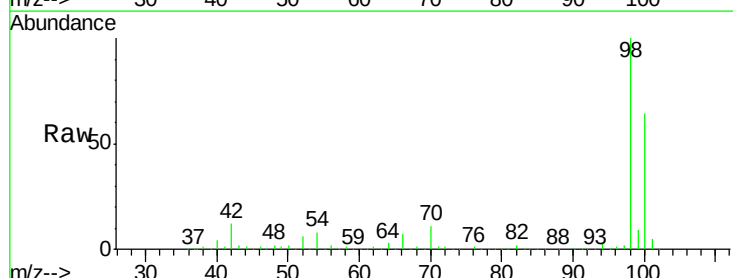
Manual Integrations
APPROVED

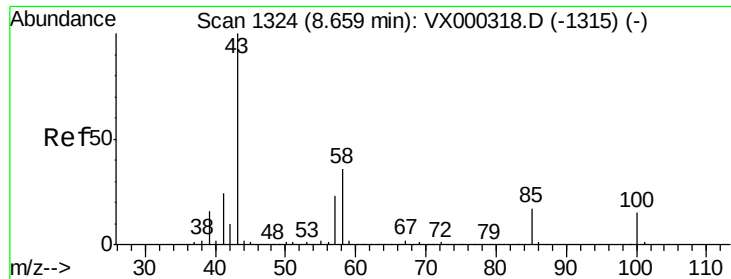
sam
3/15/2018 3:37:08 PM



#50
Toluene-d8
Concen: 114.90 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VX000319.D
Acq: 14 Mar 2018 17:41

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 552.35 ug/l

RT: 8.67 min Scan# 1325

Delta R.T. 0.01 min

Lab File: VX000319.D

Acq: 14 Mar 2018 17:41

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion: 43 Resp: 1645184

Ion Ratio Lower Upper

43 100

58 38.3

30.3

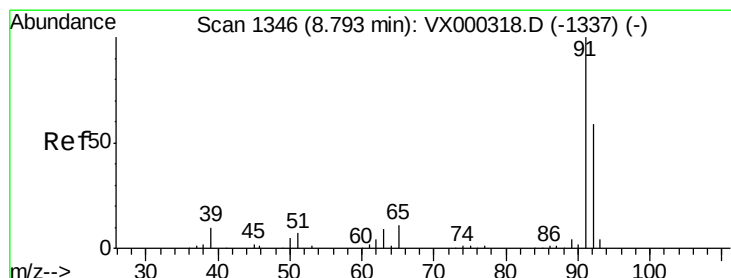
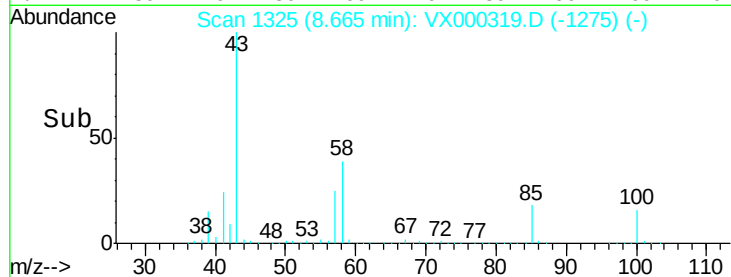
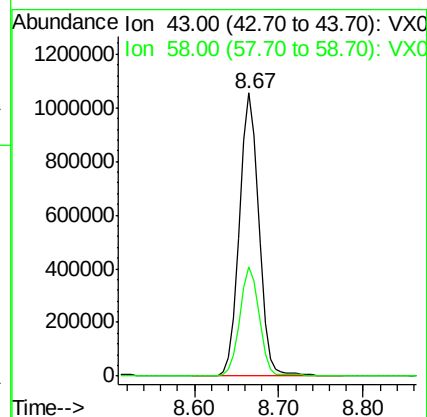
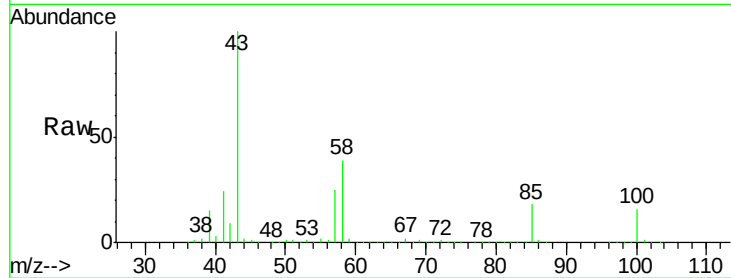
45.5

Manual Integrations

APPROVED

sam

3/15/2018 3:37:08 PM



#52

Toluene

Concen: 110.31 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VX000319.D

Acq: 14 Mar 2018 17:41

Tgt Ion: 92 Resp: 425023

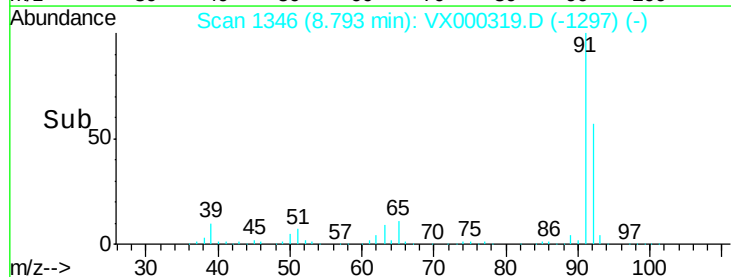
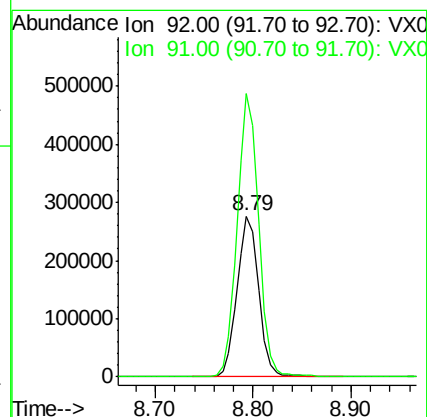
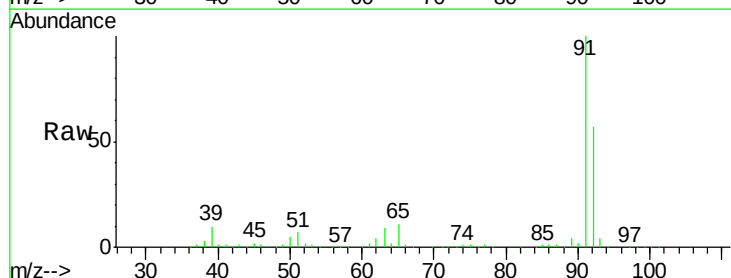
Ion Ratio Lower Upper

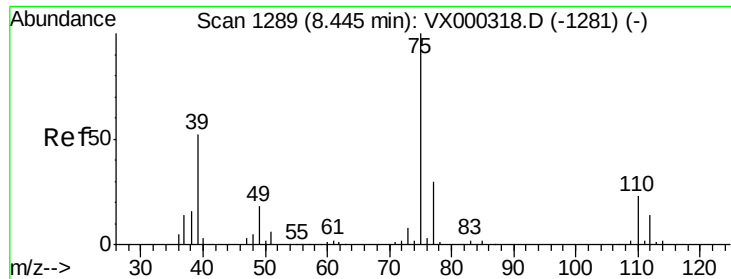
92 100

91 175.1

140.2

210.2





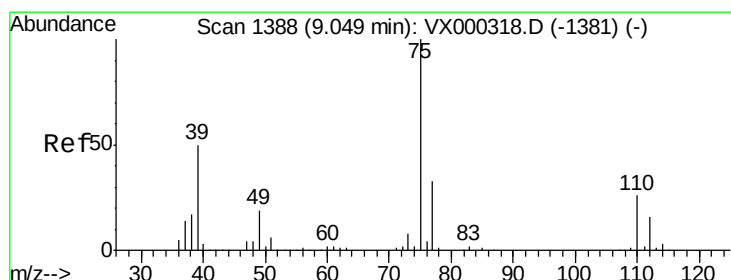
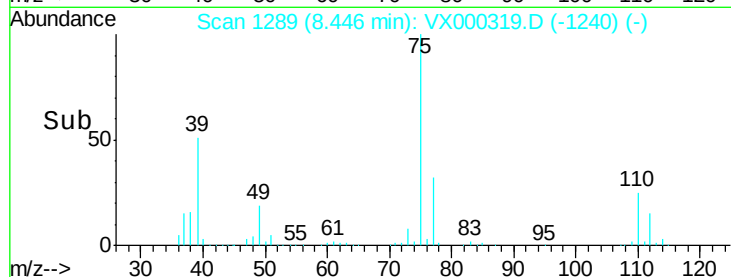
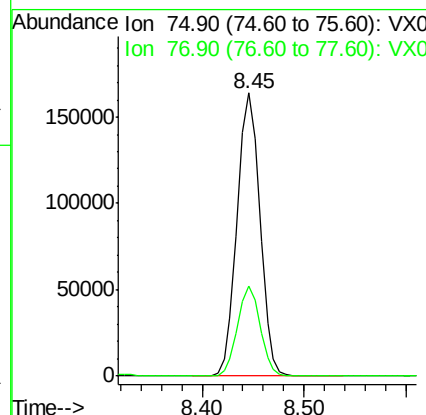
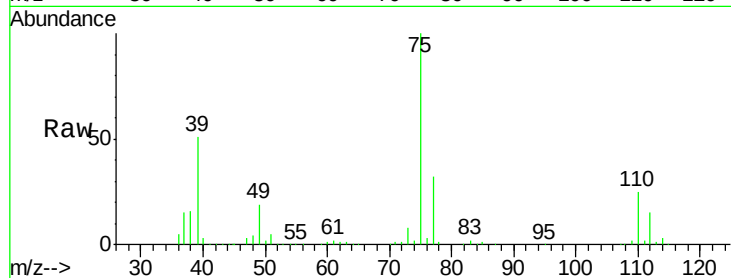
#53
 t-1,3-Dichloropropene
 Concen: 101.72 ug/l
 RT: 8.45 min Scan# 1289
 Delta R.T. 0.00 min
 Lab File: VX000319.D
 Acq: 14 Mar 2018 17:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion: 75 Resp: 253985
 Ion Ratio Lower Upper
 75 100
 77 31.7 24.0 36.0

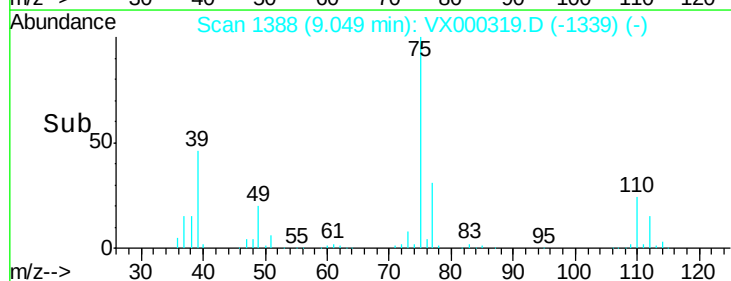
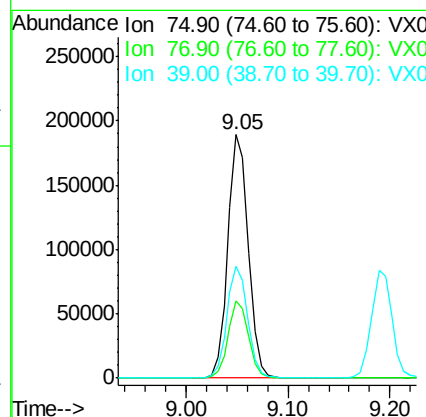
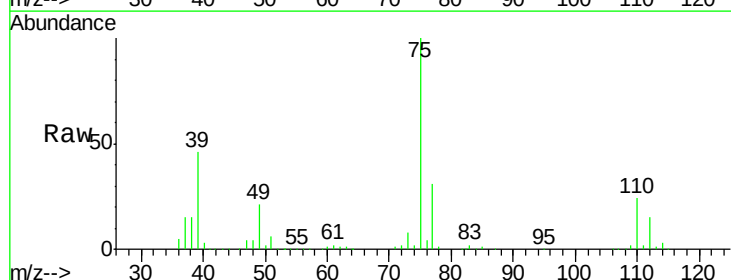
Manual Integrations
 APPROVED

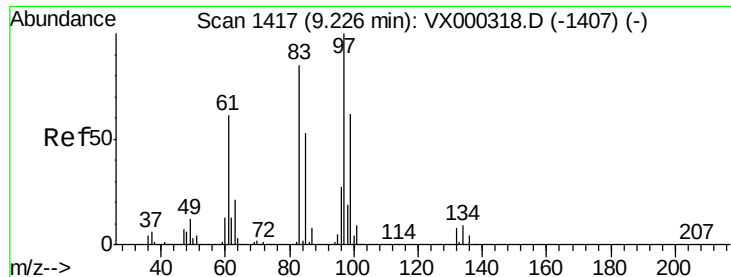
sam
 3/15/2018 3:37:08 PM



#54
 cis-1,3-Dichloropropene
 Concen: 107.21 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VX000319.D
 Acq: 14 Mar 2018 17:41

Tgt Ion: 75 Resp: 262173
 Ion Ratio Lower Upper
 75 100
 77 31.5 26.1 39.1
 39 45.8 39.8 59.6





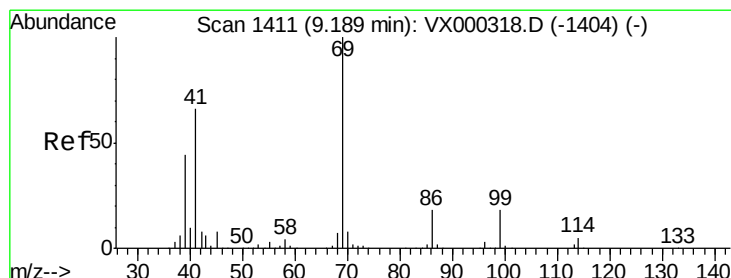
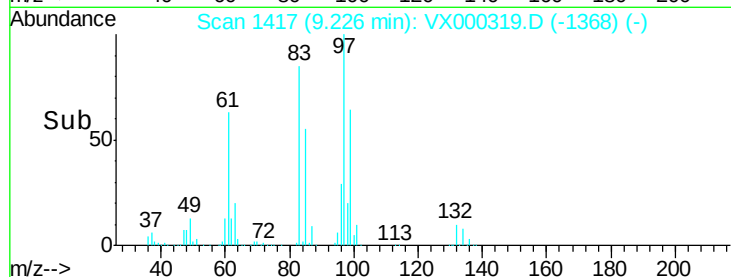
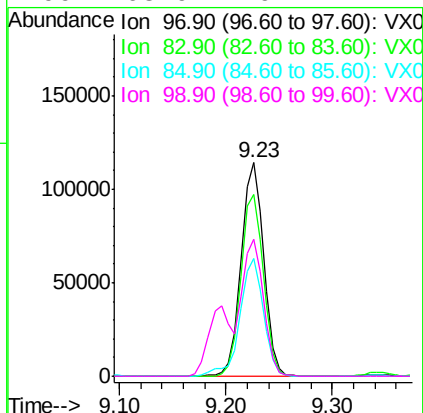
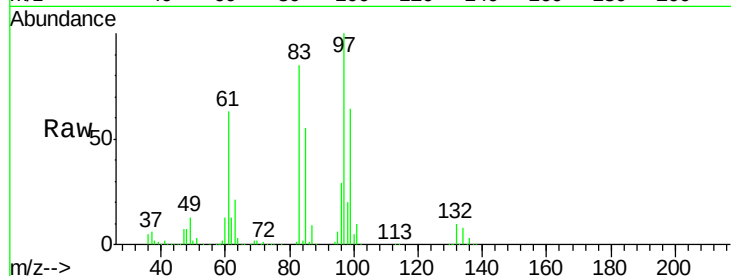
#55
1,1,2-Trichloroethane
Concen: 107.02 ug/l
RT: 9.23 min Scan# 1417
Delta R.T. 0.00 min
Lab File: VX000319.D
Acq: 14 Mar 2018 17:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion:	97	Resp:	170798
Ion Ratio	Lower	Upper	
97	100		
83	85.1	67.9	101.9
85	55.1	42.8	64.2
99	63.9	49.4	74.2

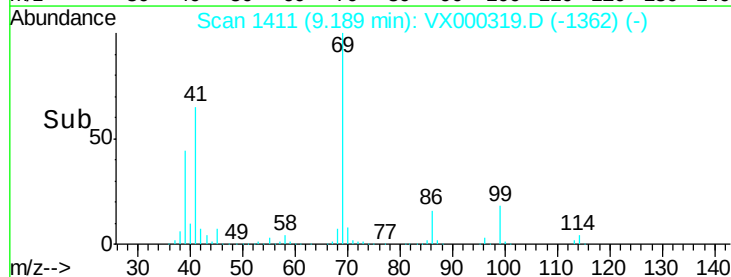
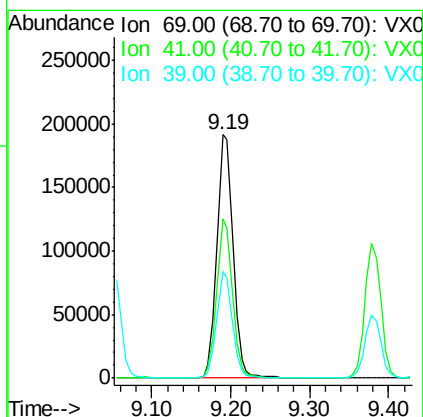
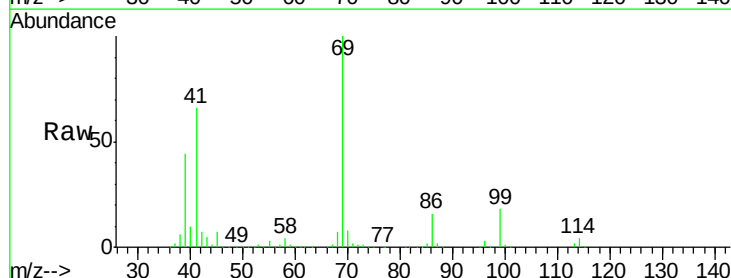
Manual Integrations
APPROVED

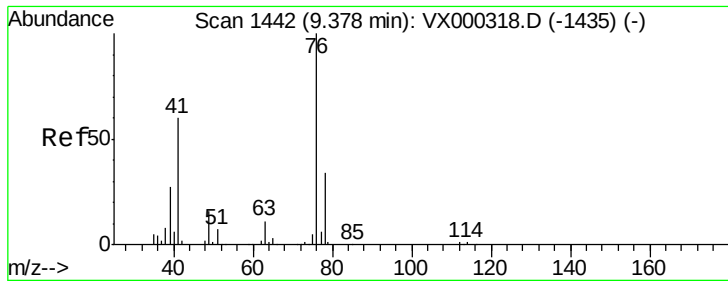
sam
3/15/2018 3:37:08 PM



#56
Ethyl methacrylate
Concen: 108.73 ug/l
RT: 9.19 min Scan# 1411
Delta R.T. 0.00 min
Lab File: VX000319.D
Acq: 14 Mar 2018 17:41

Tgt Ion:	69	Resp:	277225
Ion Ratio	Lower	Upper	
69	100		
41	63.4	53.0	79.6
39	42.5	35.3	52.9





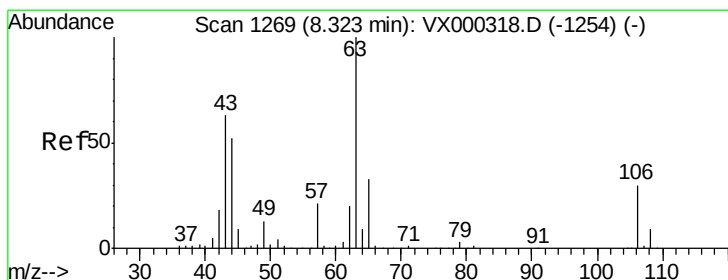
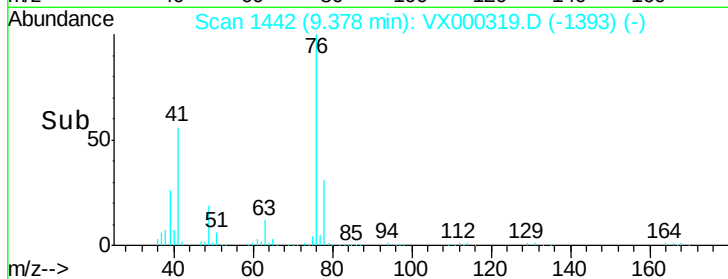
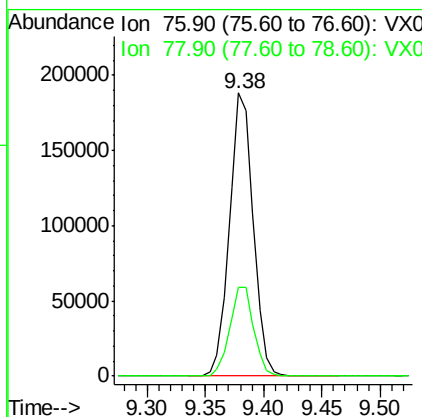
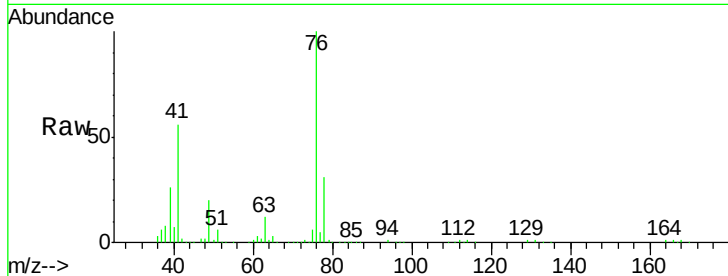
#57
 1,3-Dichloropropane
 Concen: 105.34 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX000319.D
 Acq: 14 Mar 2018 17:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion: 76 Resp: 267082
 Ion Ratio Lower Upper
 76 100
 78 31.9 26.4 39.6

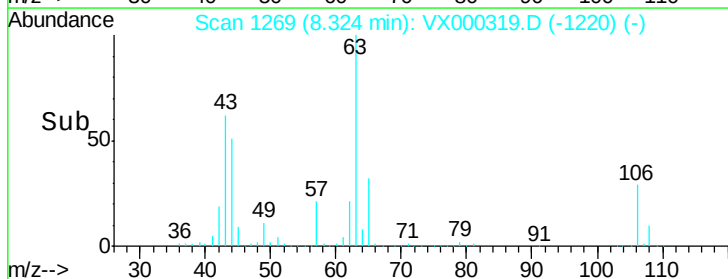
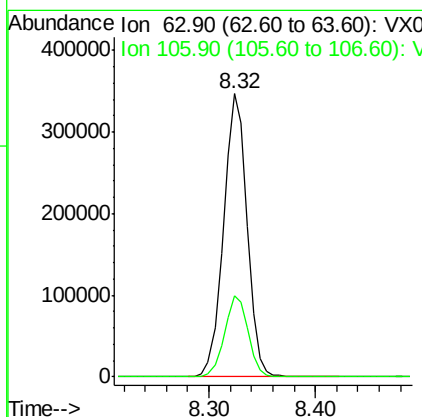
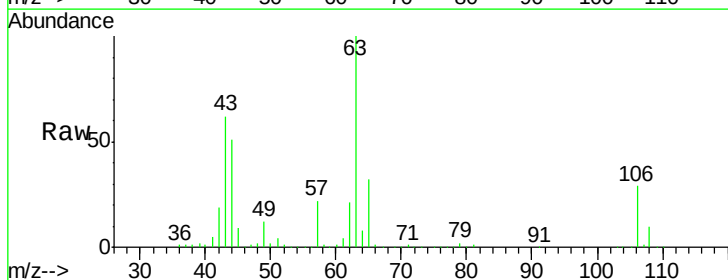
Manual Integrations
 APPROVED

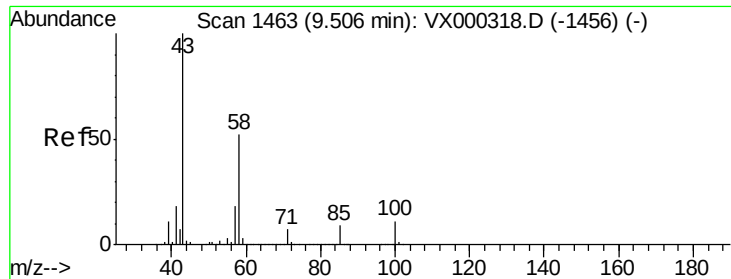
sam
 3/15/2018 3:37:08 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 449.74 ug/l
 RT: 8.32 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VX000319.D
 Acq: 14 Mar 2018 17:41

Tgt Ion: 63 Resp: 534227
 Ion Ratio Lower Upper
 63 100
 106 28.9 23.2 34.8





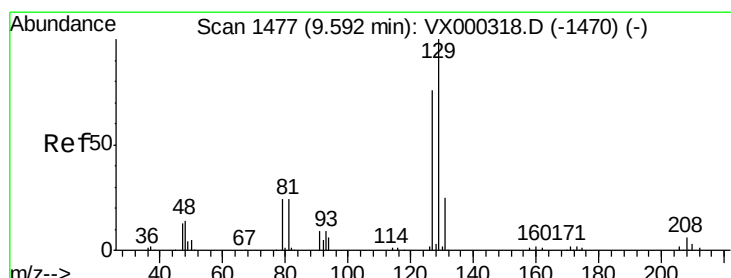
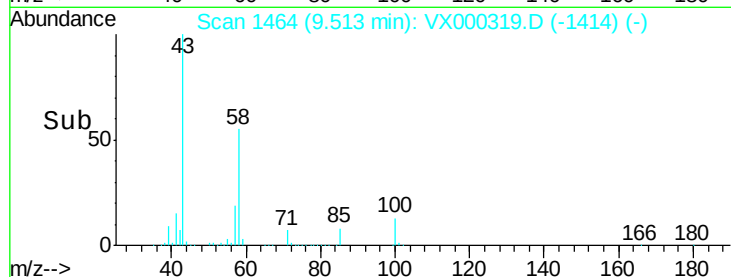
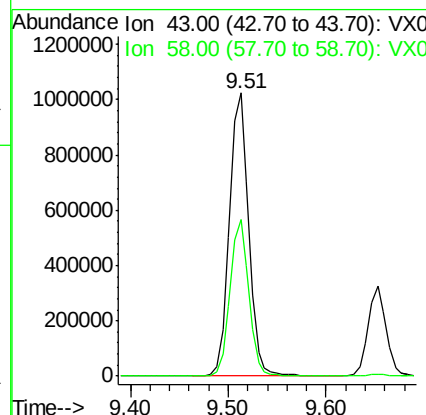
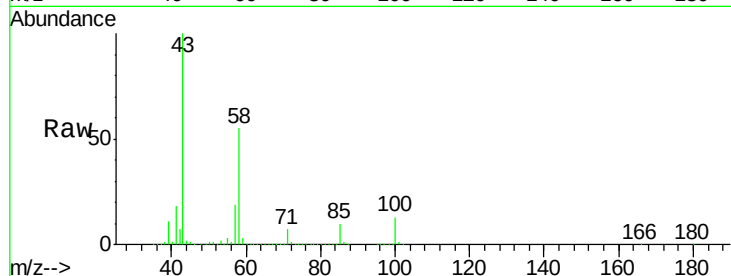
#59
2-Hexanone
Concen: 545.69 ug/l
RT: 9.51 min Scan# 1464
Delta R.T. 0.01 min
Lab File: VX000319.D
Acq: 14 Mar 2018 17:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion: 43 Resp: 1396387
Ion Ratio Lower Upper
43 100
58 54.3 26.6 79.7

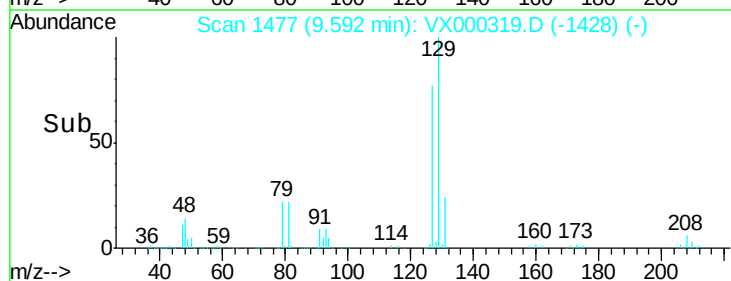
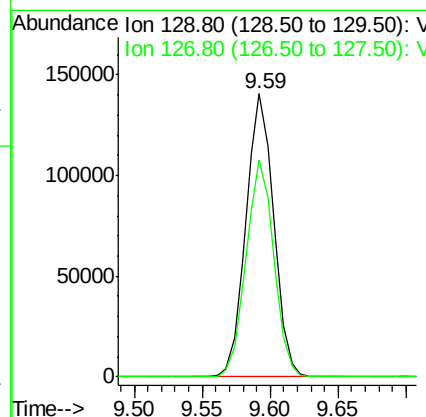
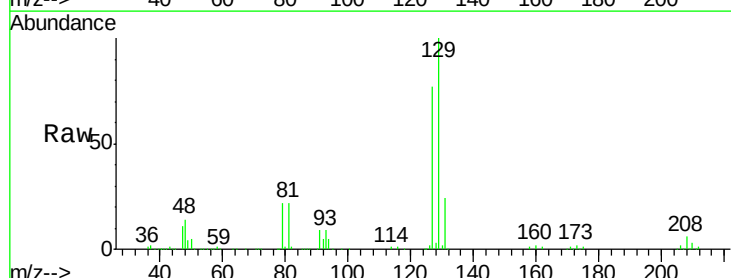
Manual Integrations
APPROVED

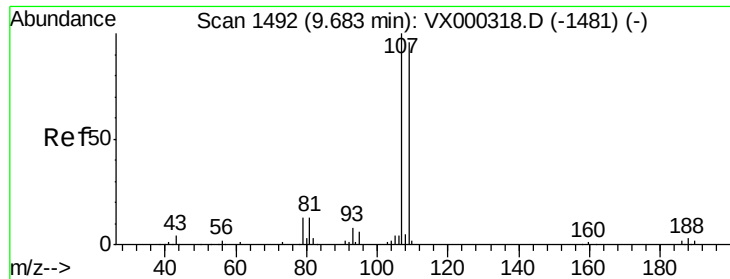
sam
3/15/2018 3:37:08 PM



#60
Dibromochloromethane
Concen: 107.44 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX000319.D
Acq: 14 Mar 2018 17:41

Tgt Ion: 129 Resp: 200860
Ion Ratio Lower Upper
129 100
127 76.7 37.9 113.6





#61

1,2-Dibromoethane

Concen: 111.00 ug/l

RT: 9.68 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX000319.D

Acq: 14 Mar 2018 17:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:107 Resp: 194836

Ion Ratio Lower Upper

107 100

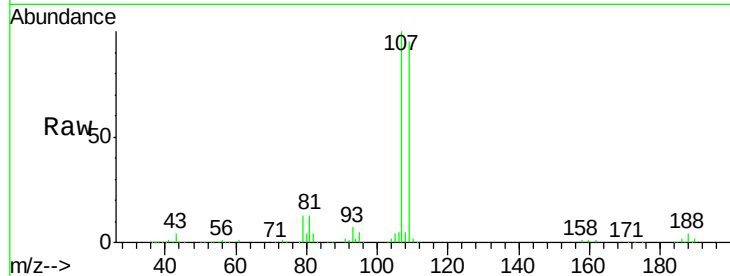
109 94.5 76.1 114.1

Manual Integrations

APPROVED

sam

3/15/2018 3:37:08 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

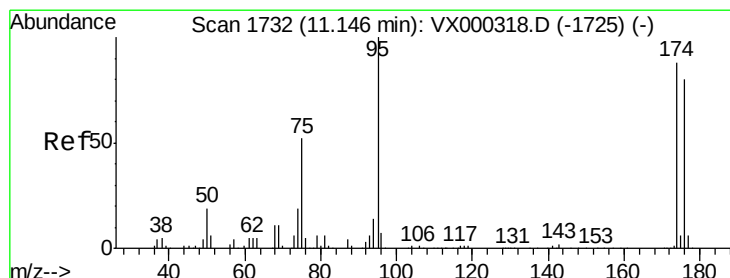
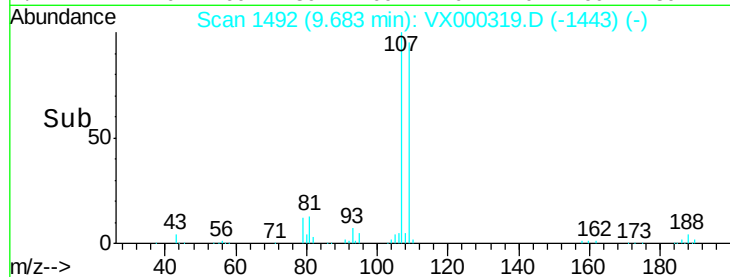
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 110.40 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000319.D

Acq: 14 Mar 2018 17:41

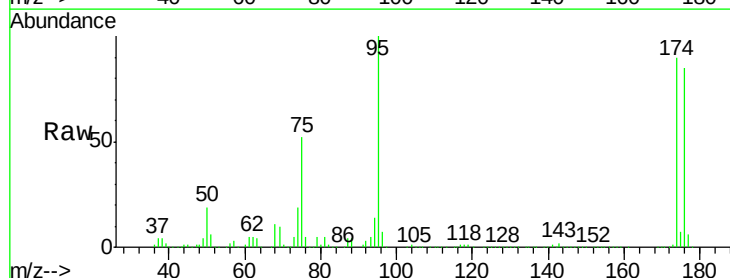
Tgt Ion: 95 Resp: 259063

Ion Ratio Lower Upper

95 100

174 90.8 0.0 173.6

176 86.0 0.0 164.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.15

250000

200000

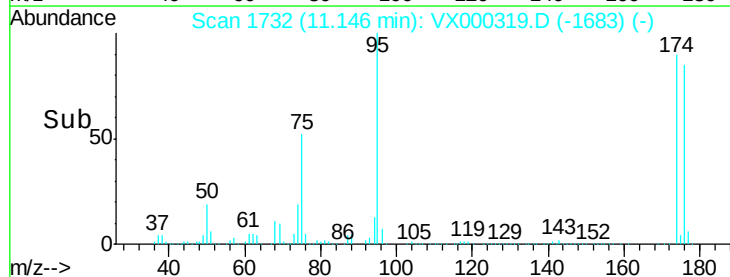
150000

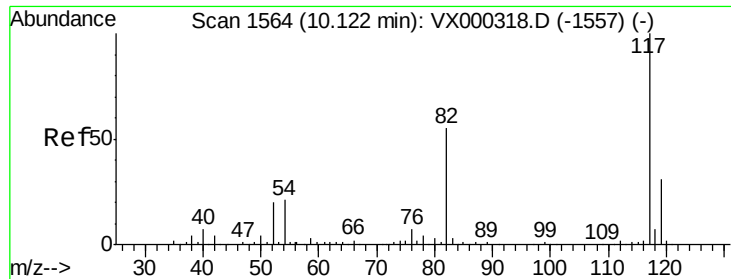
100000

50000

0

Time-->





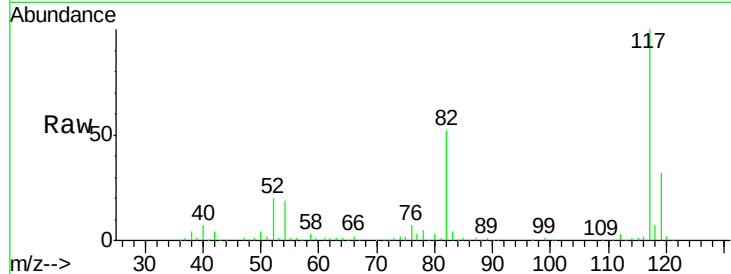
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX000319.D
Acq: 14 Mar 2018 17:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.0	43.8	65.8
119	31.7	24.9	37.3

Manual Integrations
APPROVED

sam
3/15/2018 3:37:08 PM

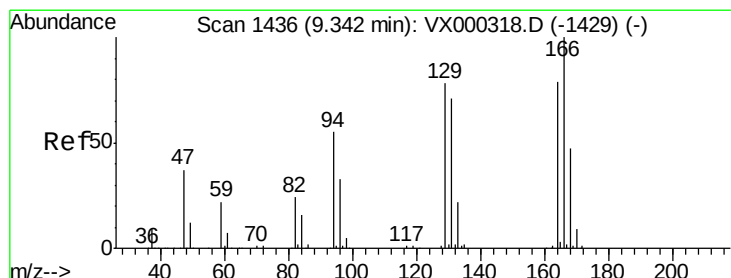
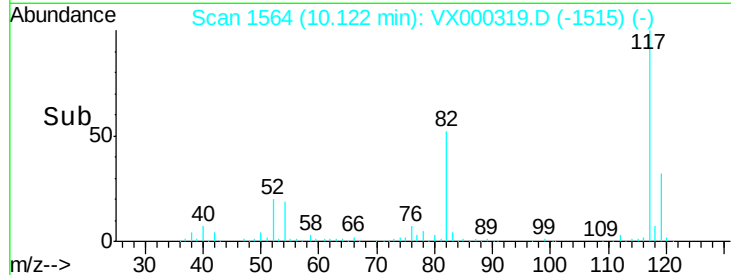
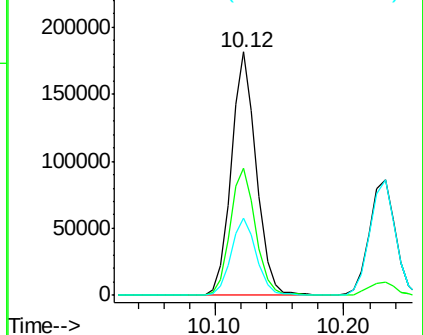


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 76.70 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX000319.D
Acq: 14 Mar 2018 17:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.4	101.0	151.6
129	98.4	79.0	118.4
131	91.8	71.9	107.9

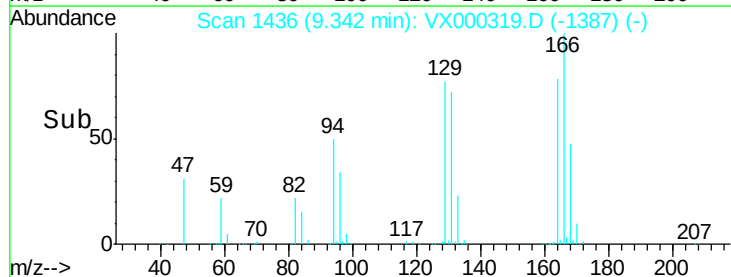
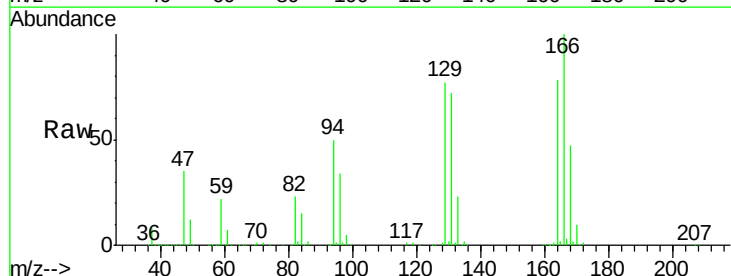
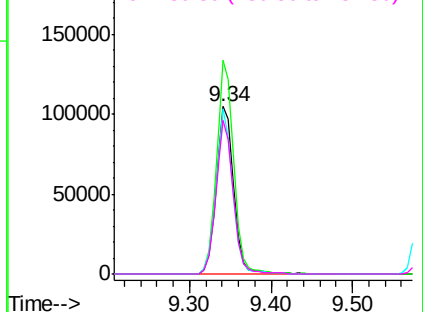
Abundance

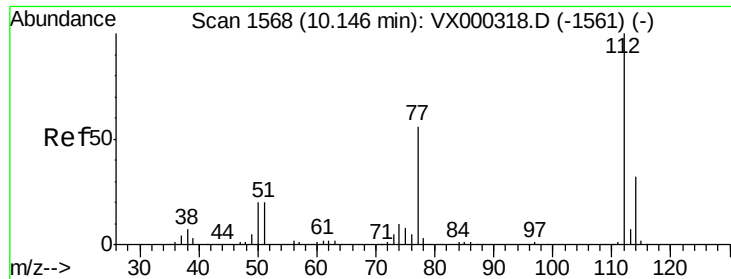
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





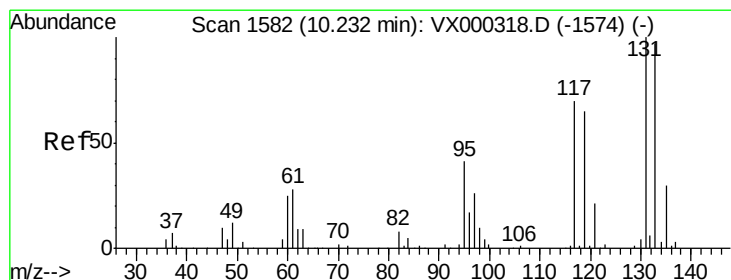
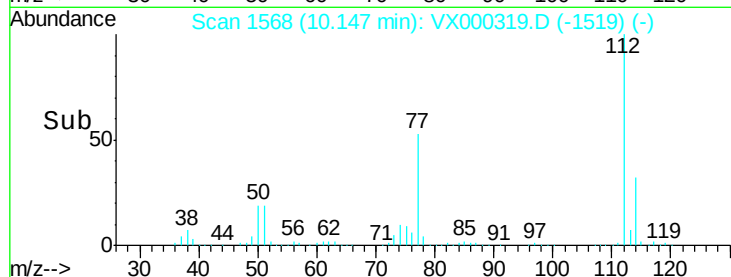
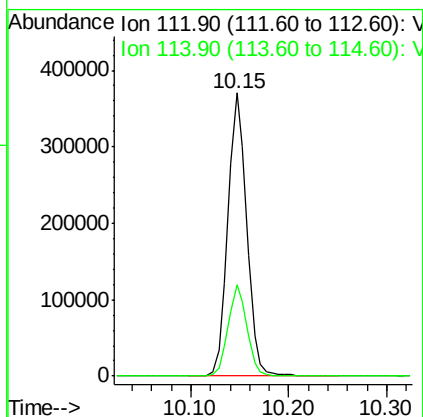
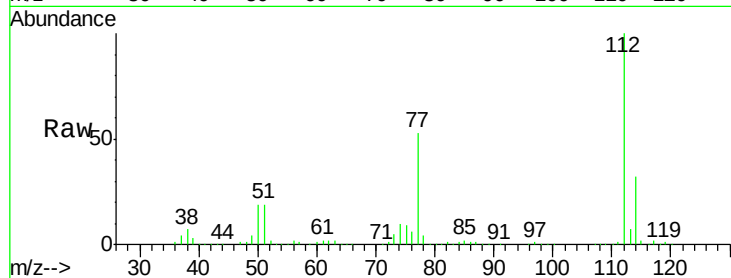
#65
Chlorobenzene
Concen: 96.30 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX000319.D
Acq: 14 Mar 2018 17:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 497758
Ion Ratio Lower Upper
112 100
114 32.1 25.7 38.5

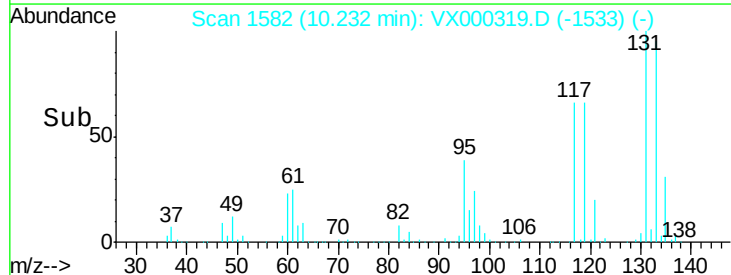
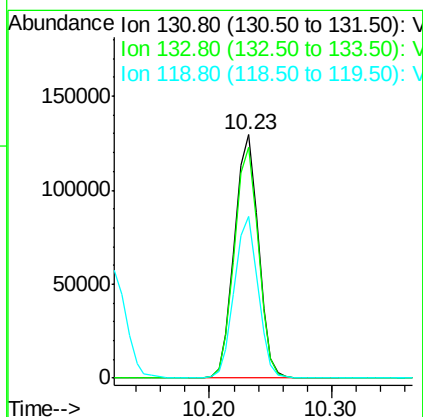
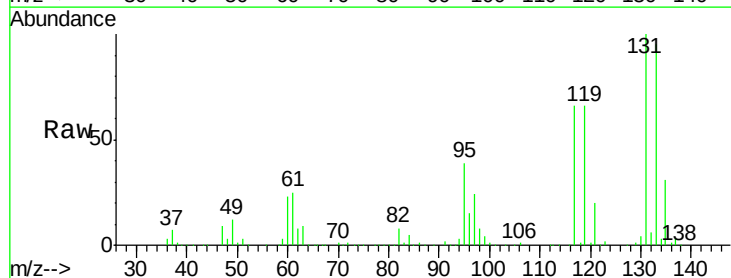
Manual Integrations
APPROVED

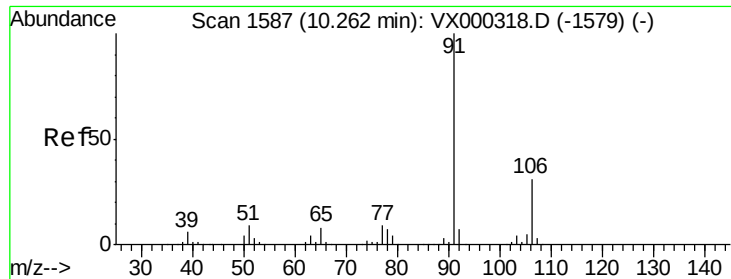
sam
3/15/2018 3:37:08 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 91.98 ug/l
RT: 10.23 min Scan# 1582
Delta R.T. 0.00 min
Lab File: VX000319.D
Acq: 14 Mar 2018 17:41

Tgt Ion:131 Resp: 174714
Ion Ratio Lower Upper
131 100
133 95.2 47.1 141.3
119 66.0 33.1 99.2





#67

Ethyl Benzene

Concen: 97.78 ug/l

RT: 10.26 min Scan# 1587

Delta R.T. 0.00 min

Lab File: VX000319.D

Acq: 14 Mar 2018 17:41

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion: 91 Resp: 838710

Ion Ratio Lower Upper

91 100

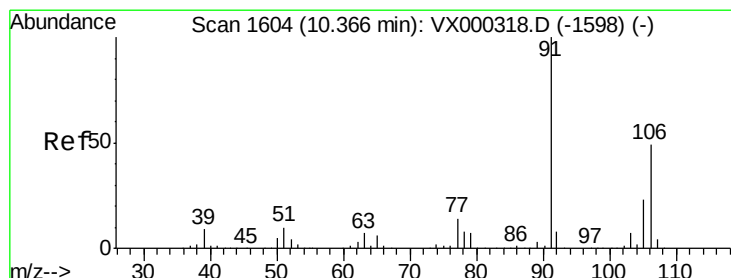
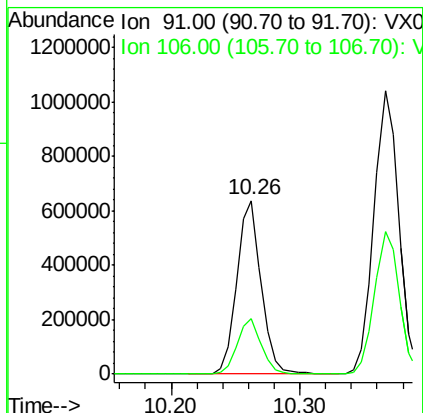
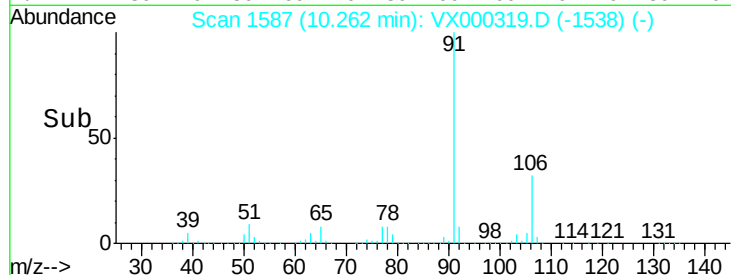
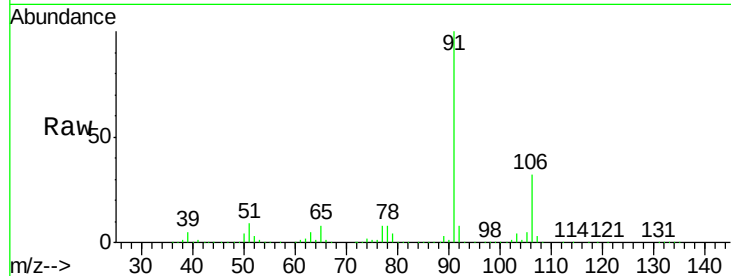
106 32.0 25.0 37.6

Manual Integrations

APPROVED

sam

3/15/2018 3:37:08 PM



#68

m/p-Xylenes

Concen: 206.11 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VX000319.D

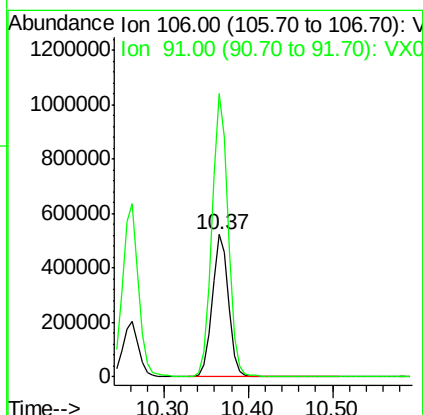
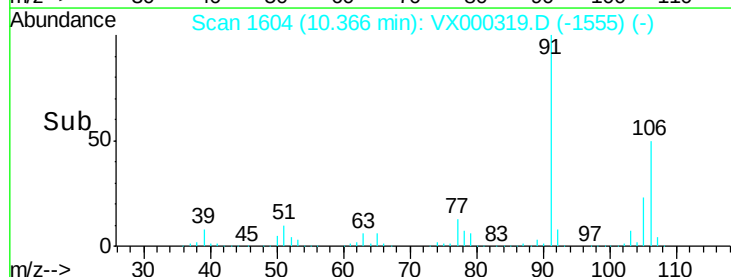
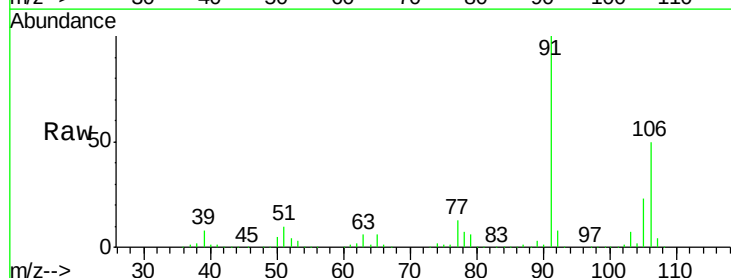
Acq: 14 Mar 2018 17:41

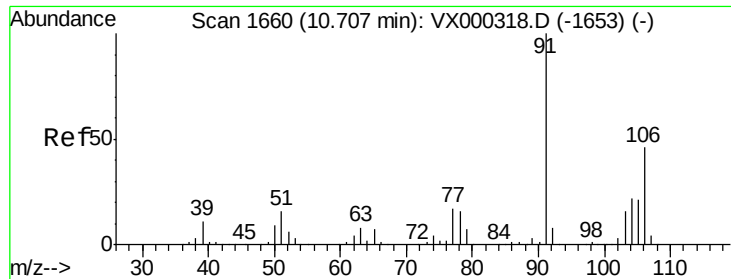
Tgt Ion: 106 Resp: 699034

Ion Ratio Lower Upper

106 100

91 198.4 163.4 245.2





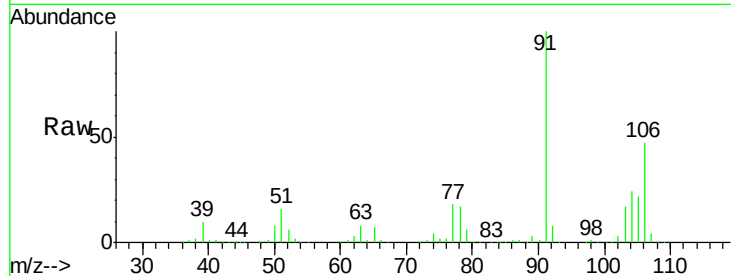
#69
o-Xylene
Concen: 100.97 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX000319.D
Acq: 14 Mar 2018 17:41

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

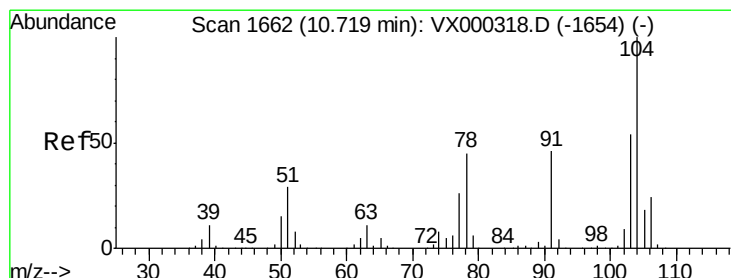
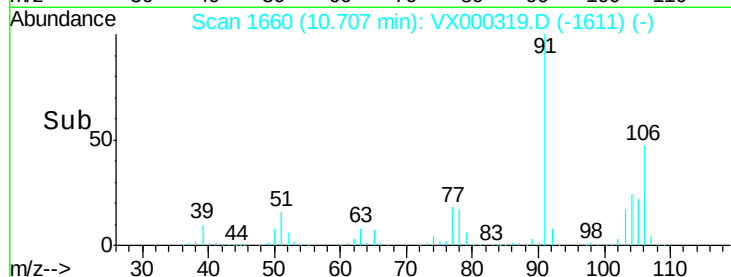
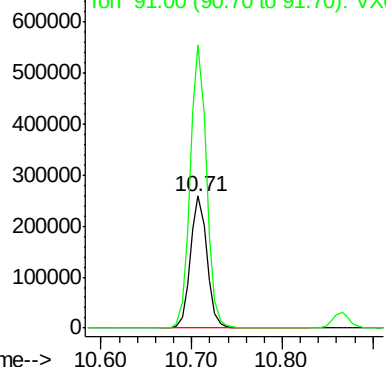
Tot Ion:106 Resp: 330650
Ion Ratio Lower Upper
106 100
91 211.8 106.5 319.6

Manual Integrations
APPROVED

sam
3/15/2018 3:37:08 PM

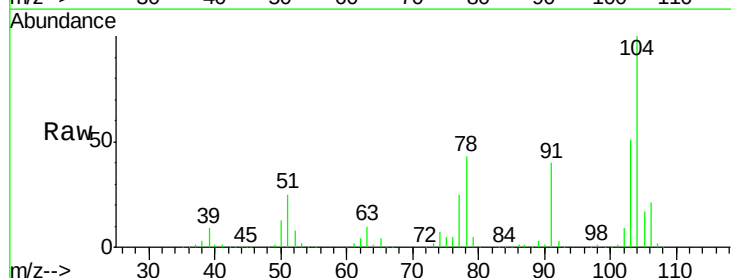


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

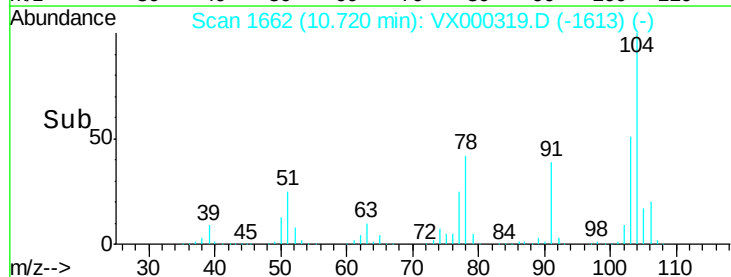
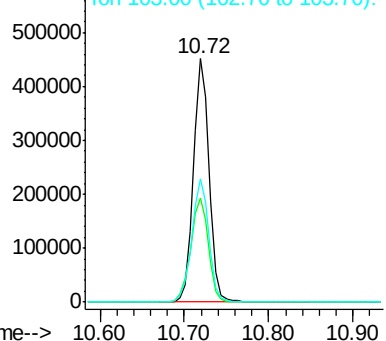


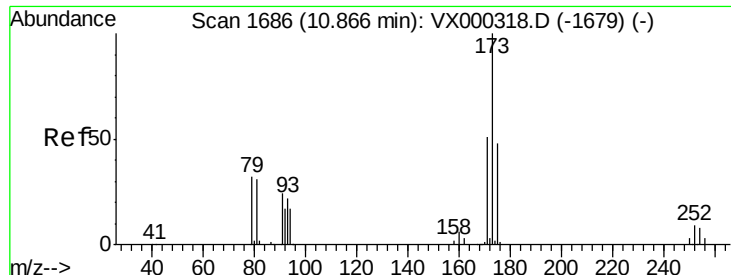
#70
Styrene
Concen: 106.26 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX000319.D
Acq: 14 Mar 2018 17:41

Tgt Ion:104 Resp: 584117
Ion Ratio Lower Upper
104 100
78 48.4 40.5 60.7
103 55.1 45.7 68.5



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: 85.47 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VX000319.D

Acq: 14 Mar 2018 17:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 171086

Ion Ratio Lower Upper

173 100

175 49.2 25.4 76.4

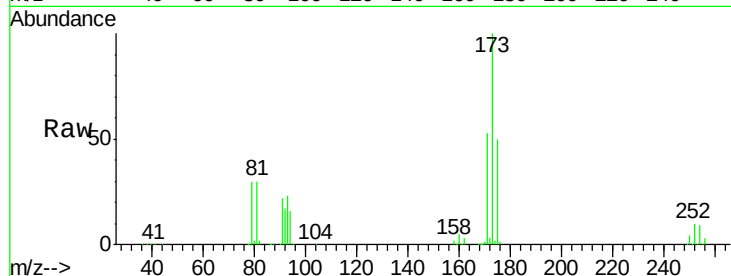
254 0.1 0.0 0.0#

Manual Integrations

APPROVED

sam

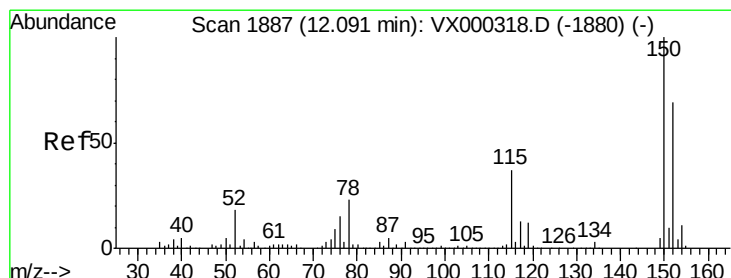
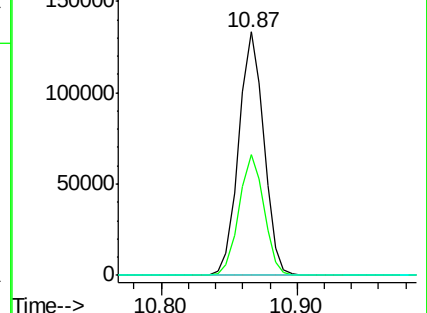
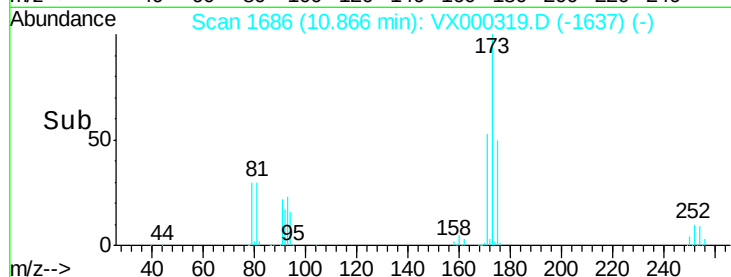
3/15/2018 3:37:08 PM



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: 12.09 min Scan# 1886

Delta R.T. -0.01 min

Lab File: VX000319.D

Acq: 14 Mar 2018 17:41

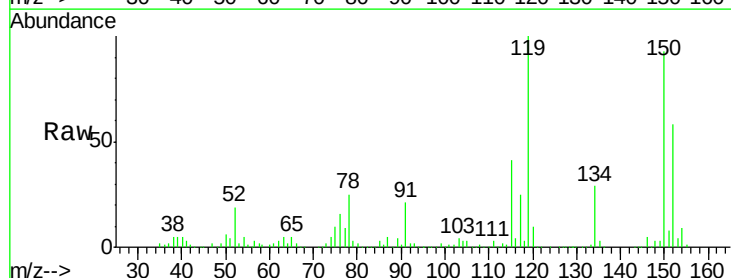
Tgt Ion:152 Resp: 157389

Ion Ratio Lower Upper

152 100

115 100.5 39.8 119.3

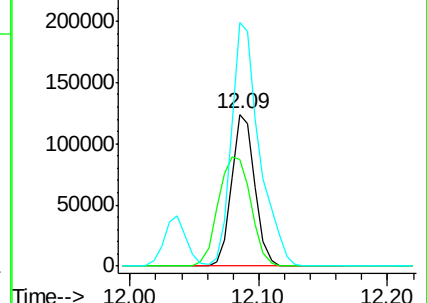
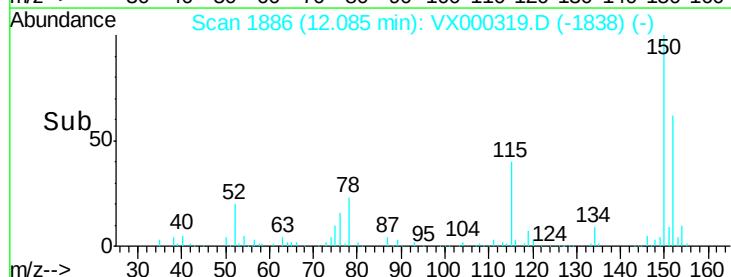
150 191.4 0.0 344.4

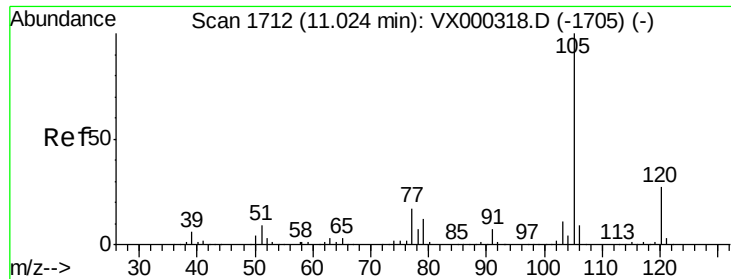


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 96.79 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX000319.D

Acq: 14 Mar 2018 17:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion:105 Resp: 916590

Ion Ratio Lower Upper

105 100

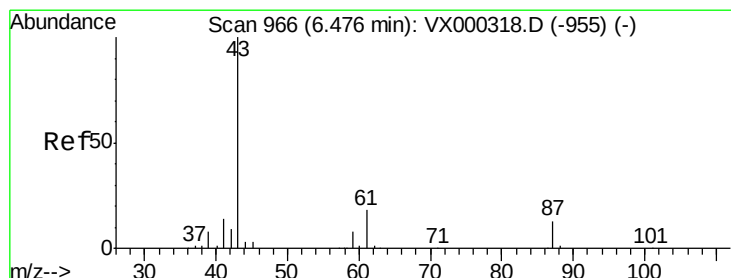
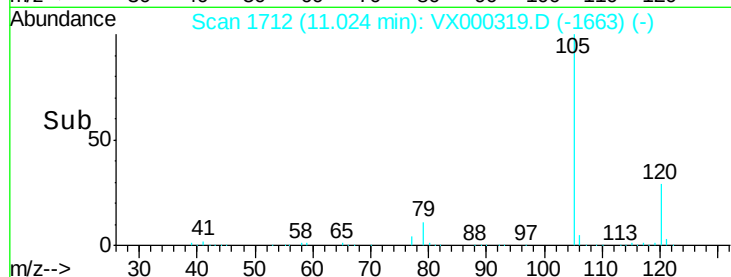
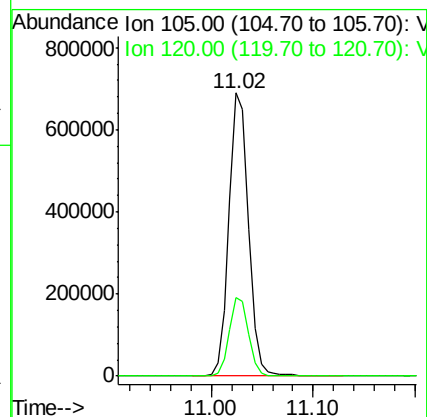
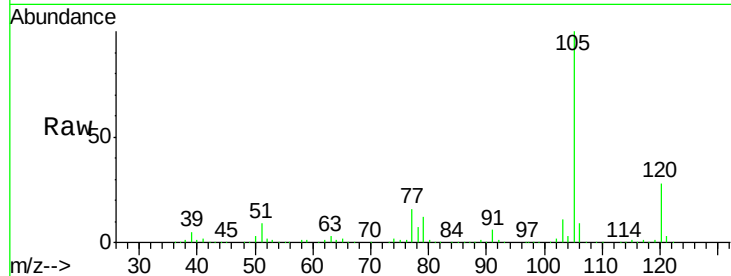
120 27.6 13.6 40.7

Manual Integrations

APPROVED

sam

3/15/2018 3:37:08 PM



#74

N-ethyl acetate

Concen: 82.87 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX000319.D

Acq: 14 Mar 2018 17:41

Tgt Ion: 43 Resp: 414439

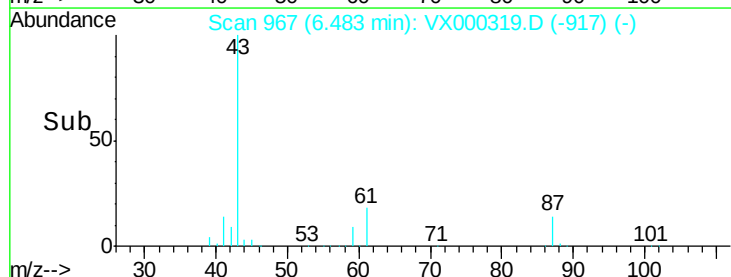
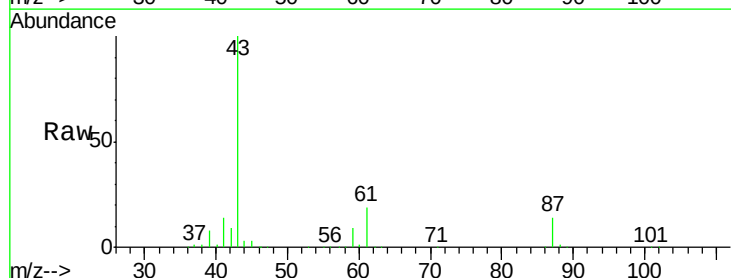
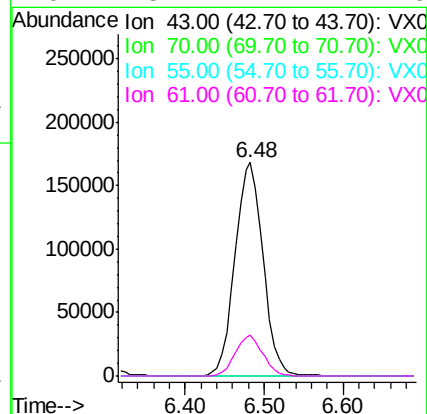
Ion Ratio Lower Upper

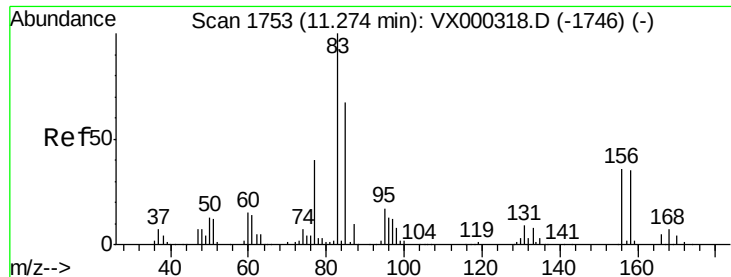
43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 18.7 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 99.69 ug/l

RT: 11.28 min Scan# 1754

Delta R.T. 0.01 min

Lab File: VX000319.D

Acq: 14 Mar 2018 17:41

Instrument :

MSVOA_X

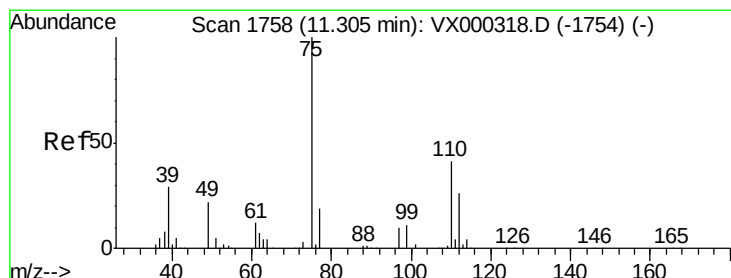
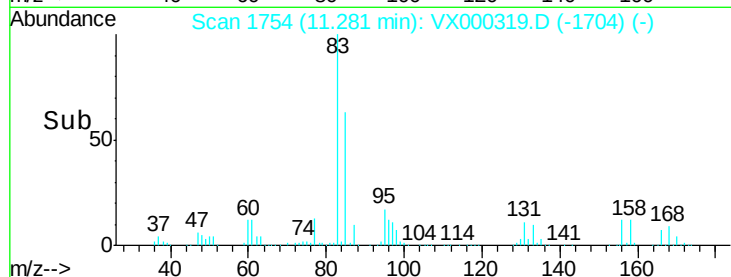
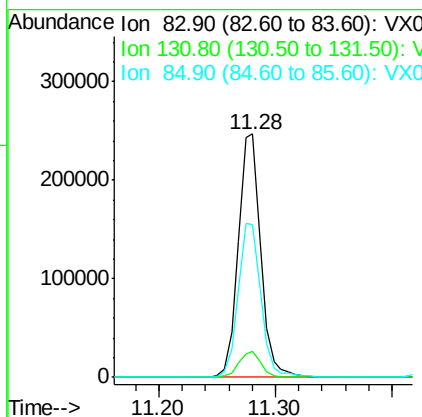
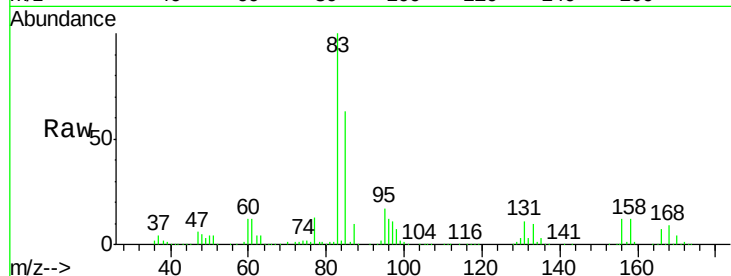
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	332313
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.0	14.9
85	64.2	32.5	97.5

Manual Integrations
APPROVED

sam
3/15/2018 3:37:08 PM



#76

1,2,3-Trichloropropane

Concen: 71.80 ug/l m

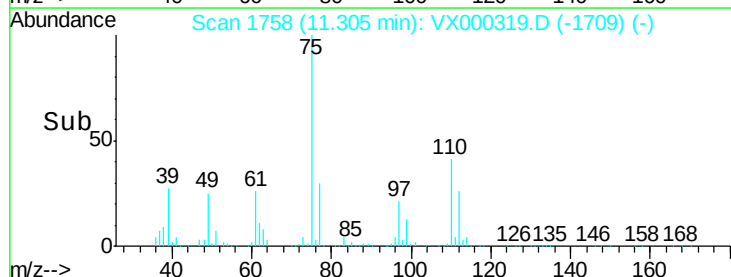
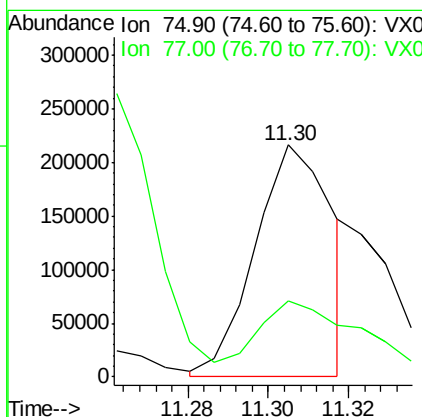
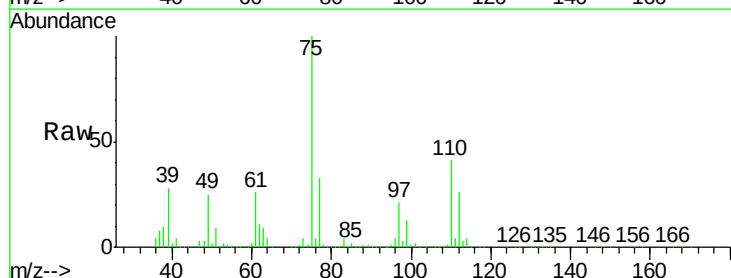
RT: 11.30 min Scan# 1758

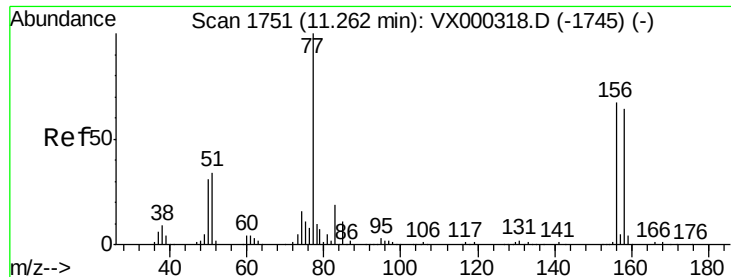
Delta R.T. 0.00 min

Lab File: VX000319.D

Acq: 14 Mar 2018 17:41

Tgt Ion:	75	Resp:	290510
Ion Ratio	Lower	Upper	
75	100		
77	44.5	21.4	64.2





#77

Bromobenzene

Concen: 87.80 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX000319.D

Acq: 14 Mar 2018 17:41

Instrument :

MSVOA_X

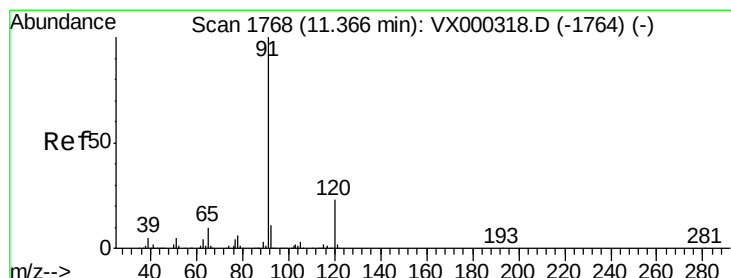
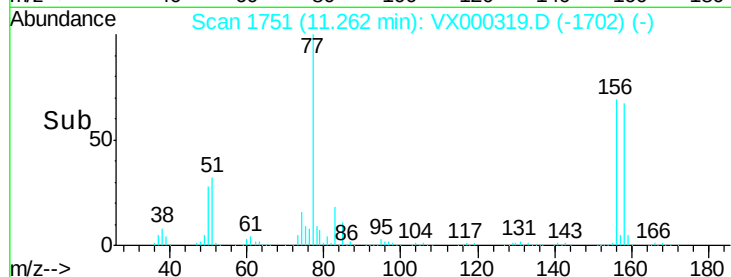
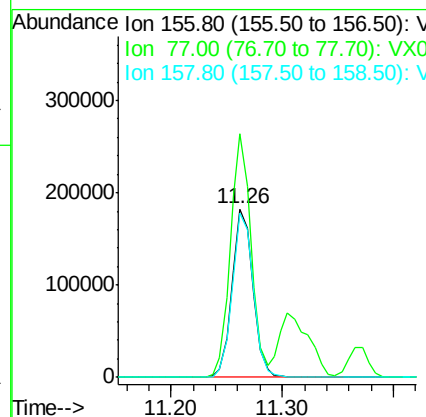
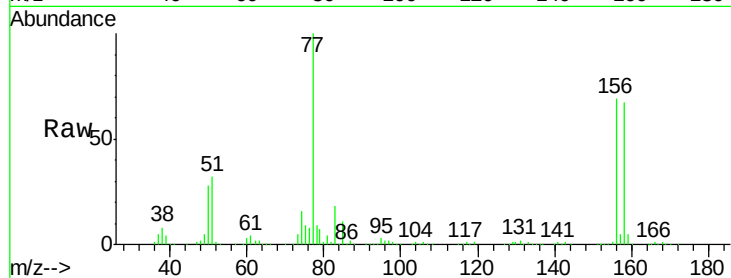
ClientSampleId :

VSTDIC100

Tot Ion:	156	Resp:	236569
Ion Ratio	Lower	Upper	
156	100		
77	142.7	73.4	220.2
158	97.8	48.5	145.6

Manual Integrations
APPROVED

sam
3/15/2018 3:37:08 PM



#78

n-propylbenzene

Concen: 96.75 ug/l

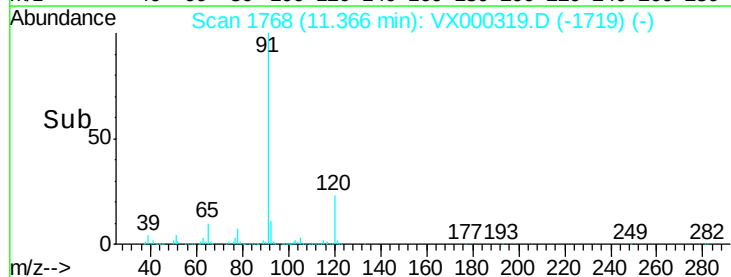
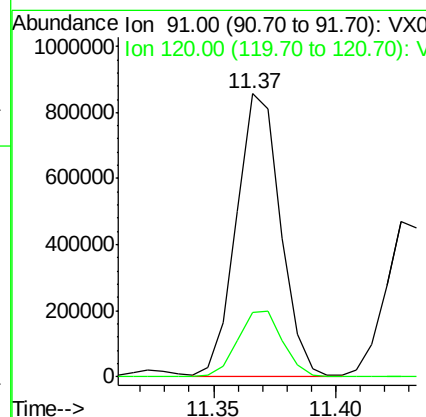
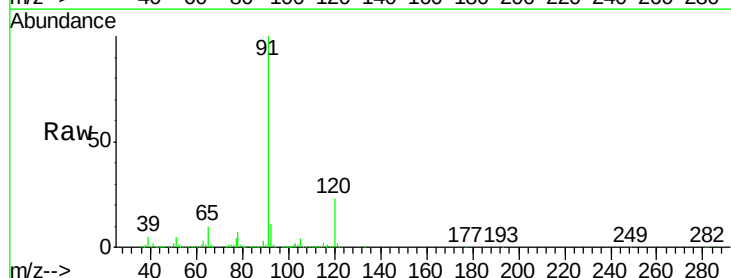
RT: 11.37 min Scan# 1768

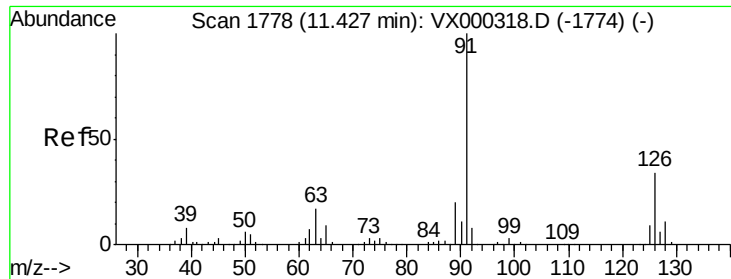
Delta R.T. 0.00 min

Lab File: VX000319.D

Acq: 14 Mar 2018 17:41

Tgt Ion:	91	Resp:	1078595
Ion Ratio	Lower	Upper	
91	100		
120	24.0	11.8	35.3





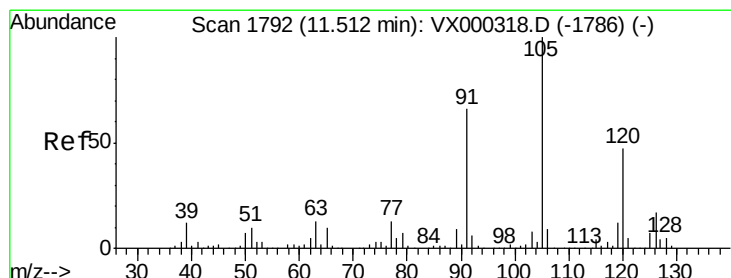
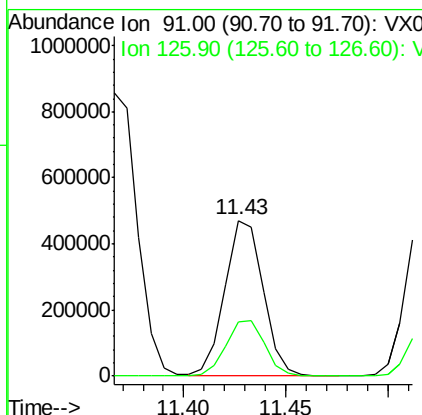
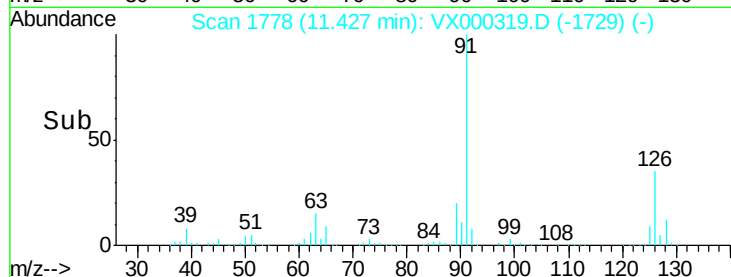
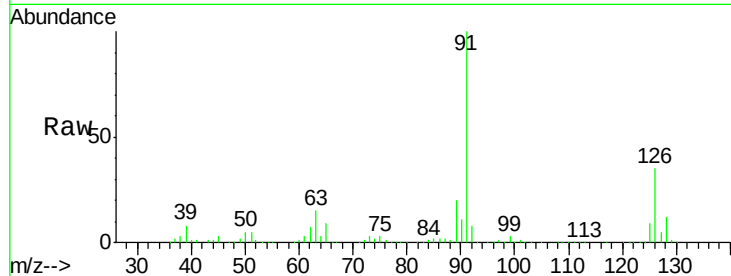
#79
2-Chlorotoluene
Concen: 96.02 ug/l
RT: 11.43 min Scan# 1778
Delta R.T. 0.00 min
Lab File: VX000319.D
Acq: 14 Mar 2018 17:41

Instrument :
MSVOA_X
ClientSampled :
VSTDICC100

Tot Ion: 91 Resp: 616130
Ion Ratio Lower Upper
91 100
126 36.3 17.7 53.1

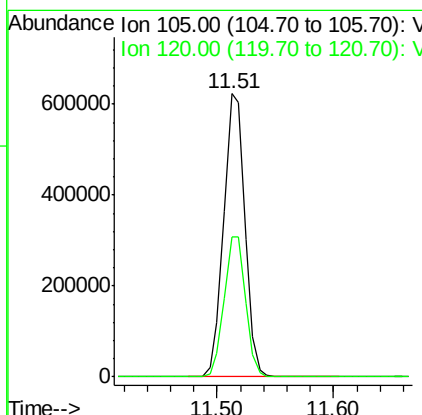
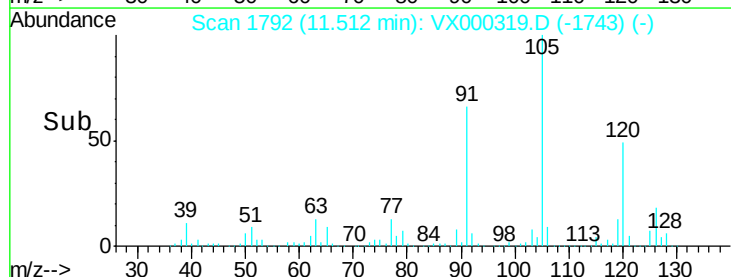
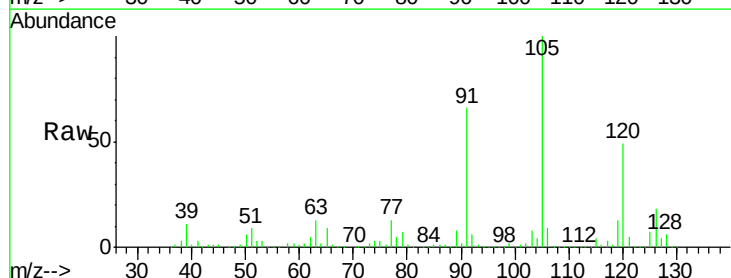
Manual Integrations
APPROVED

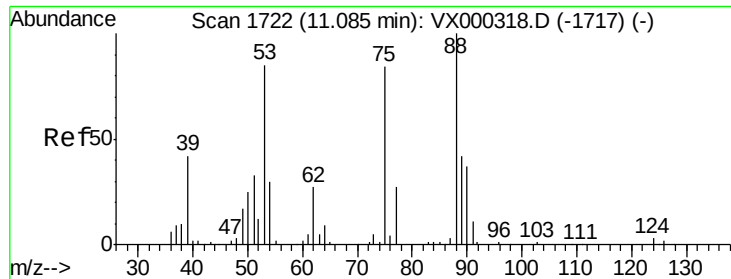
sam
3/15/2018 3:37:08 PM



#80
1,3,5-Trimethylbenzene
Concen: 96.95 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX000319.D
Acq: 14 Mar 2018 17:41

Tgt Ion: 105 Resp: 784606
Ion Ratio Lower Upper
105 100
120 50.1 24.1 72.4





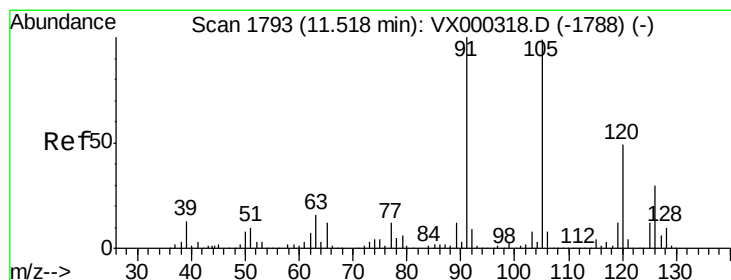
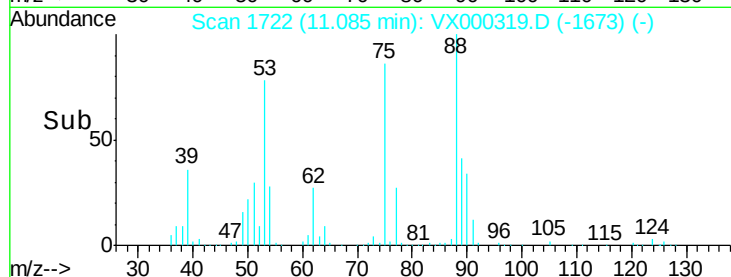
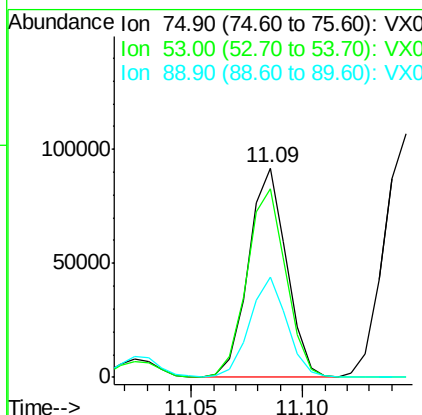
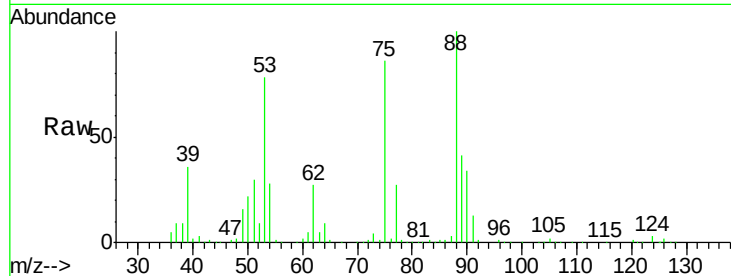
#81
trans-1,4-Dichloro-2-butene
Concen: 92.87 ug/l
RT: 11.09 min Scan# 1722
Delta R.T. 0.00 min
Lab File: VX000319.D
Acq: 14 Mar 2018 17:41

Instrument :
MSVOA_X
ClientSampled :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.3	80.7	121.1
89	47.4	39.4	59.0

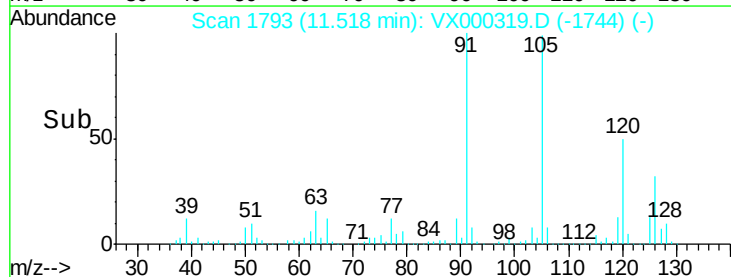
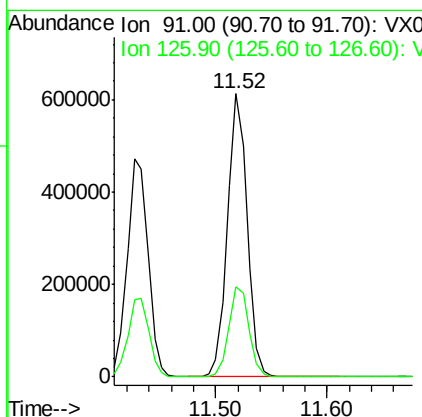
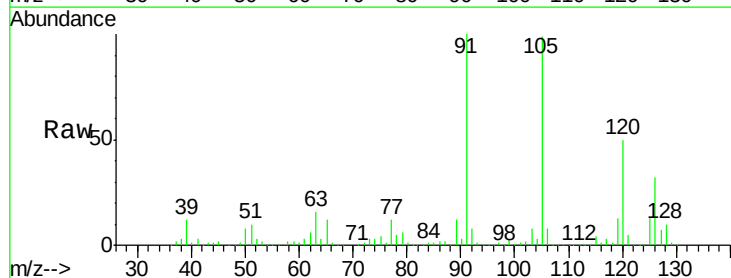
Manual Integrations
APPROVED

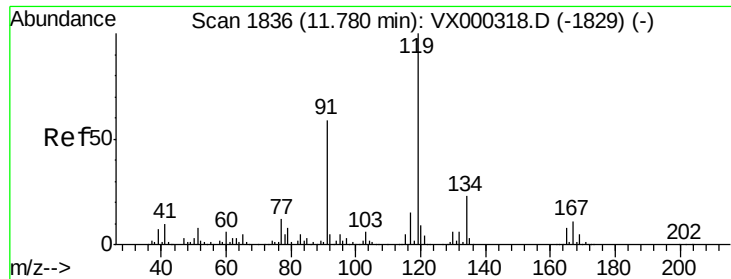
sam
3/15/2018 3:37:08 PM



#82
4-Chlorotoluene
Concen: 96.35 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VX000319.D
Acq: 14 Mar 2018 17:41

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.6	15.4	46.1





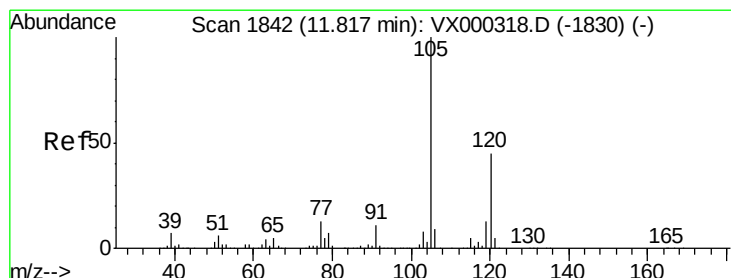
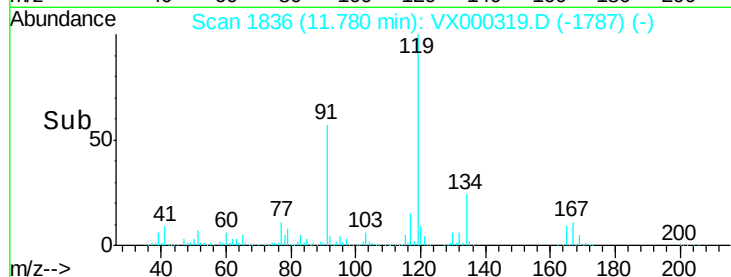
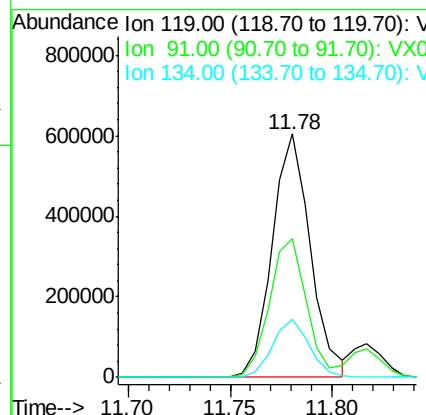
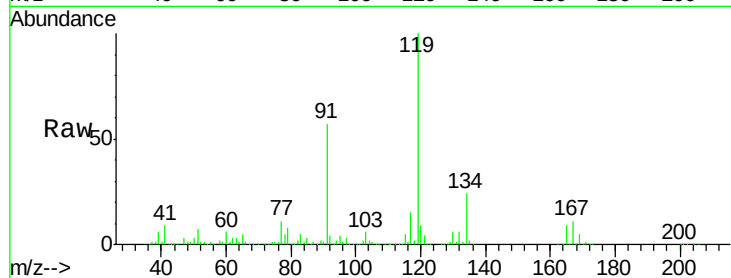
#83
 tert-Butylbenzene
 Concen: 95.30 ug/l
 RT: 11.78 min Scan# 1836
 Delta R.T. 0.00 min
 Lab File: VX000319.D
 Acq: 14 Mar 2018 17:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.2	28.8	86.4
134	23.0	11.4	34.1

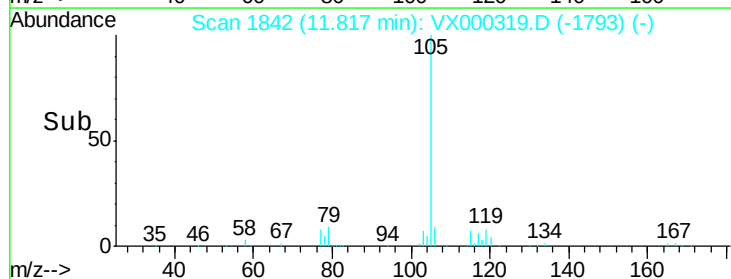
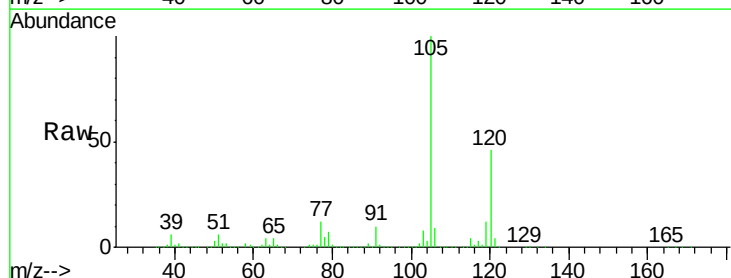
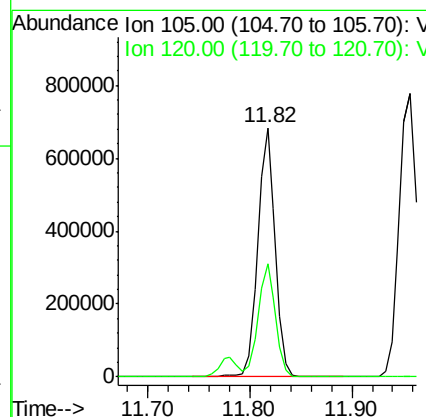
Manual Integrations
 APPROVED

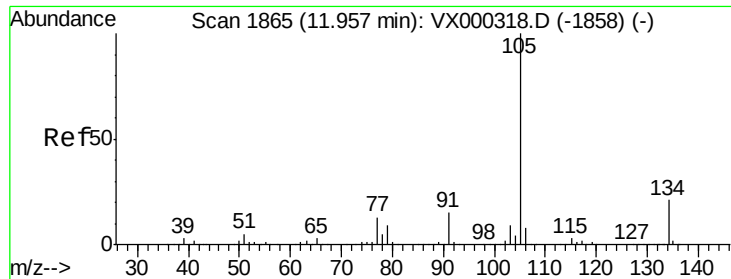
sam
 3/15/2018 3:37:08 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 96.87 ug/l
 RT: 11.82 min Scan# 1842
 Delta R.T. 0.00 min
 Lab File: VX000319.D
 Acq: 14 Mar 2018 17:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.4	67.3





#85

sec-Butylbenzene

Concen: 95.91 ug/l

RT: 11.96 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VX000319.D

Acq: 14 Mar 2018 17:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 958148

Ion Ratio Lower Upper

105 100

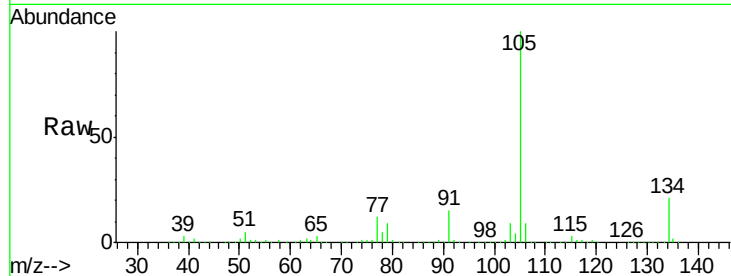
134 20.6 10.3 30.8

Manual Integrations

APPROVED

sam

3/15/2018 3:37:08 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.96

800000

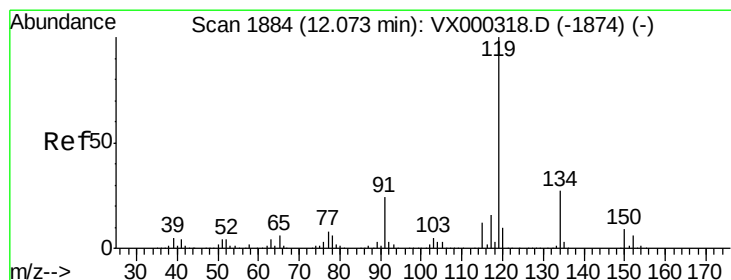
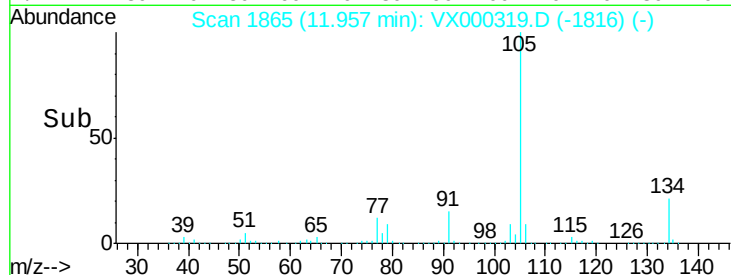
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 94.11 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VX000319.D

Acq: 14 Mar 2018 17:41

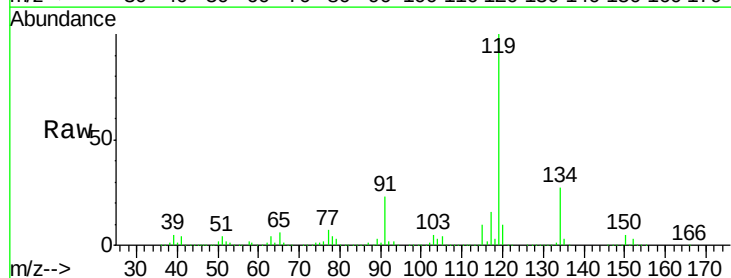
Tgt Ion:119 Resp: 875592

Ion Ratio Lower Upper

119 100

134 27.3 13.3 39.9

91 23.4 12.0 36.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.07

1000000

800000

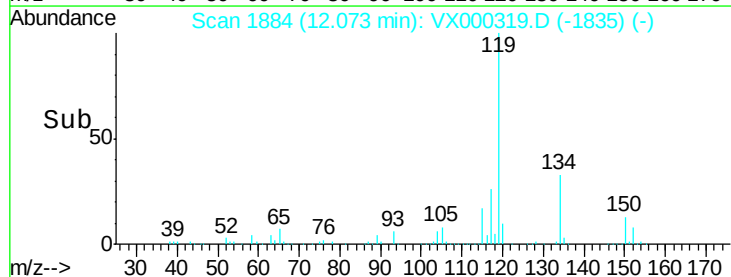
600000

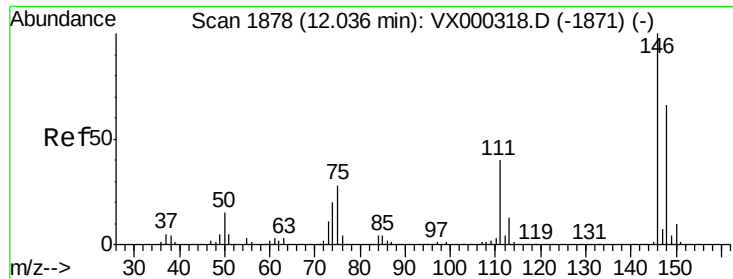
400000

200000

0

Time-->





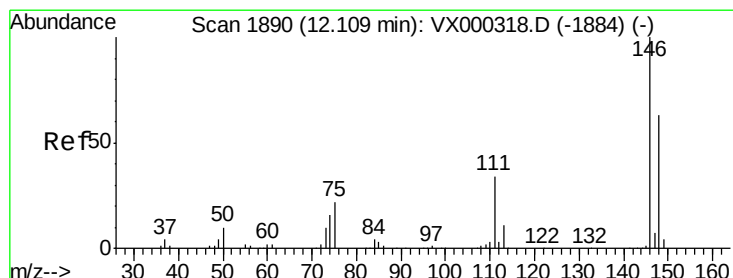
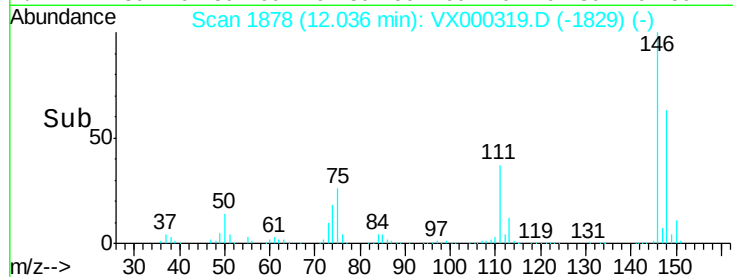
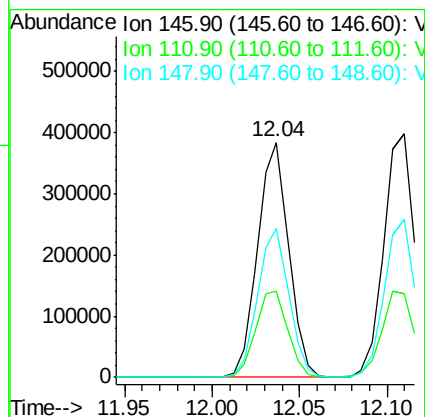
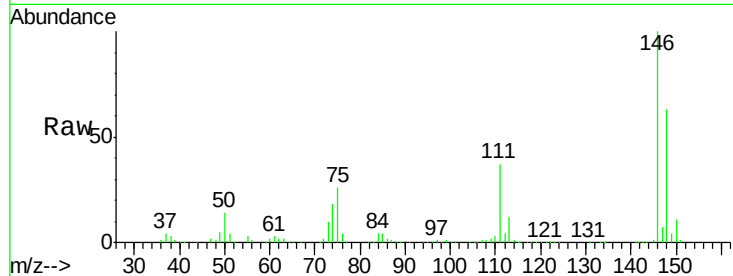
#87
 1,3-Dichlorobenzene
 Concen: 91.78 ug/l
 RT: 12.04 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VX000319.D
 Acq: 14 Mar 2018 17:41

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.5	58.5
148	63.3	32.4	97.0

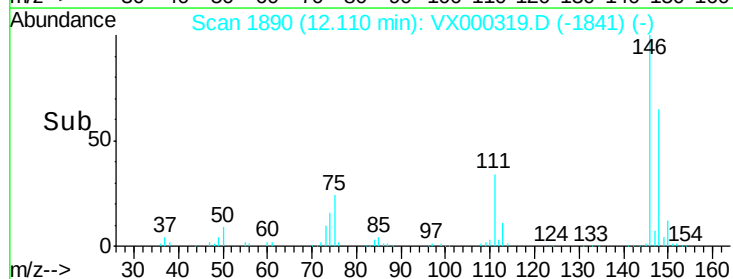
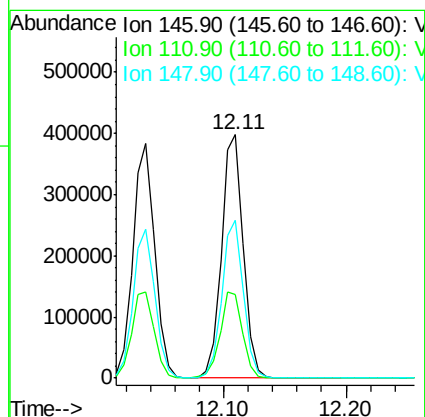
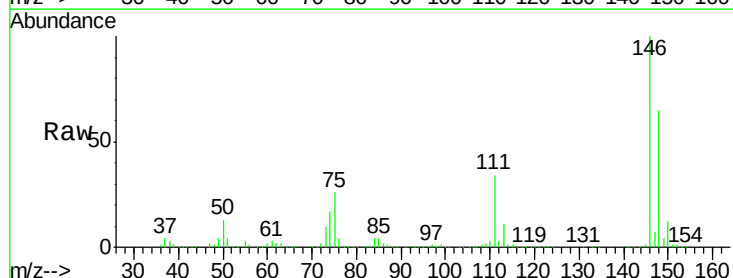
Manual Integrations
 APPROVED

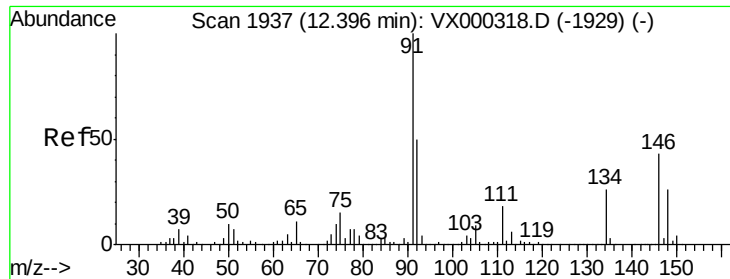
sam
 3/15/2018 3:37:08 PM



#88
 1,4-Dichlorobenzene
 Concen: 90.60 ug/l
 RT: 12.11 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VX000319.D
 Acq: 14 Mar 2018 17:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.9	56.9
148	64.2	31.0	93.0





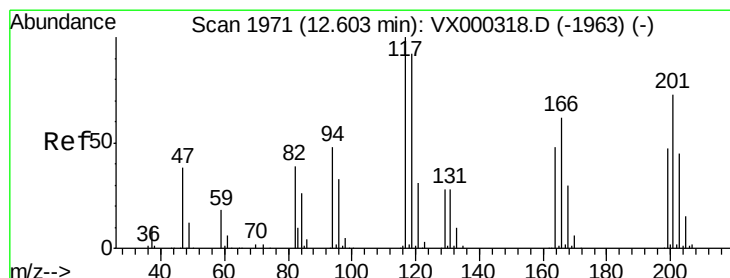
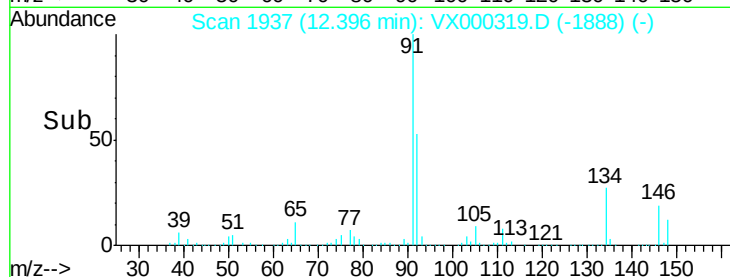
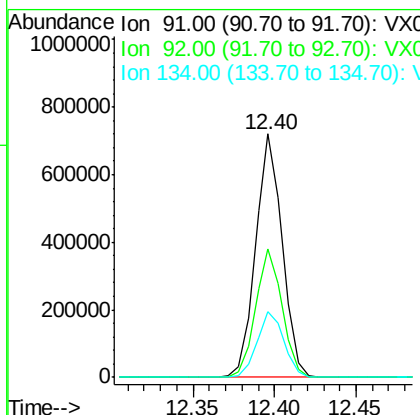
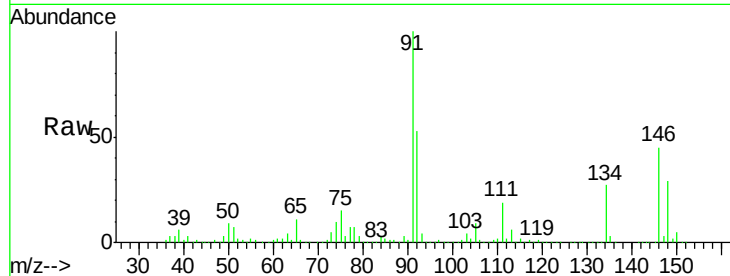
#89
n-Butylbenzene
Concen: 94.71 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX000319.D
Acq: 14 Mar 2018 17:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	25.9	77.8
134	27.3	13.1	39.3

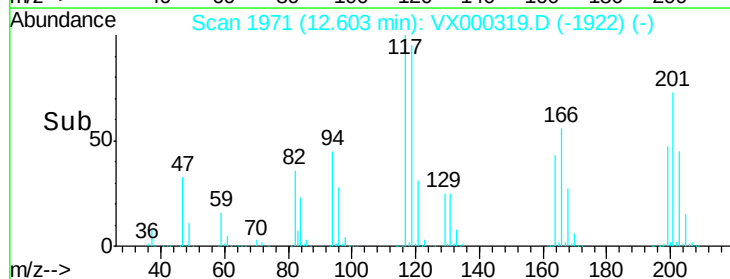
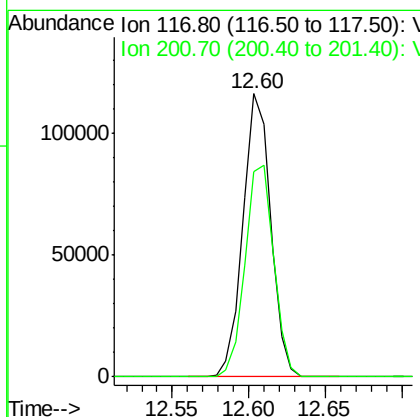
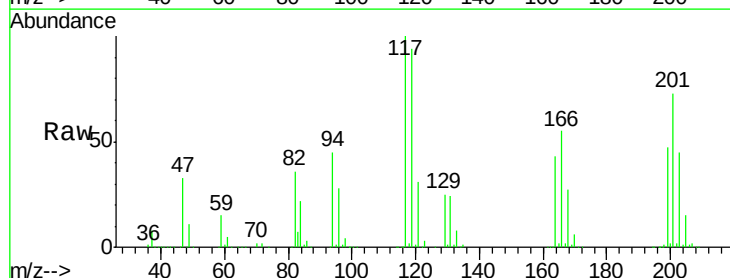
Manual Integrations
APPROVED

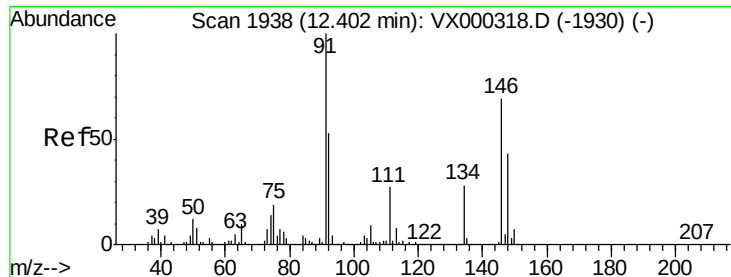
sam
3/15/2018 3:37:08 PM



#90
Hexachloroethane
Concen: 97.79 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX000319.D
Acq: 14 Mar 2018 17:41

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.5	37.9	113.6





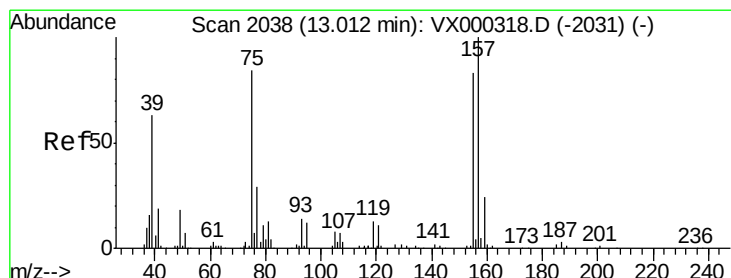
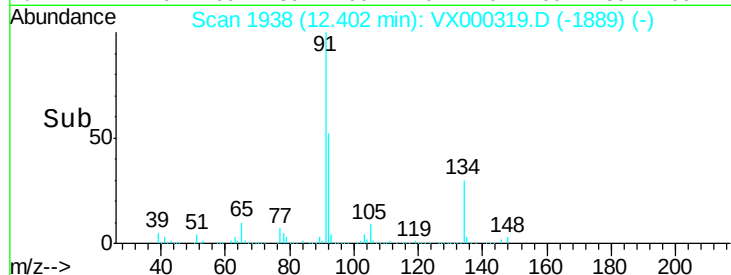
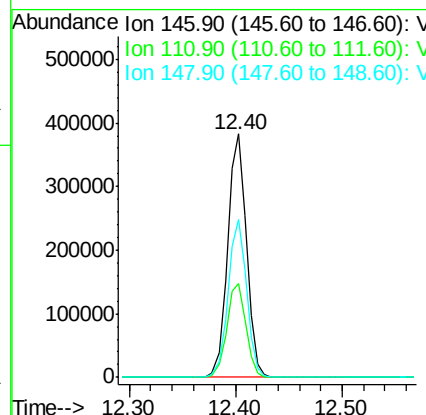
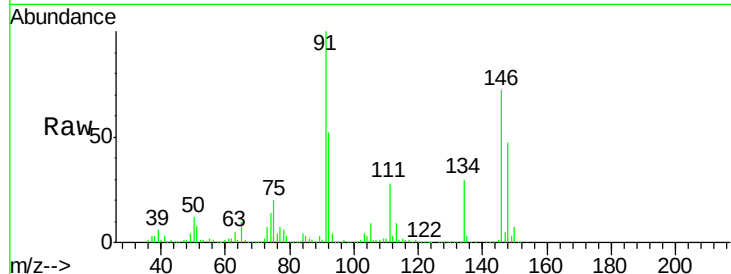
#91
 1,2-Dichlorobenzene
 Concen: 93.73 ug/l
 RT: 12.40 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VX000319.D
 Acq: 14 Mar 2018 17:41

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	20.1	60.2
148	64.2	31.2	93.6

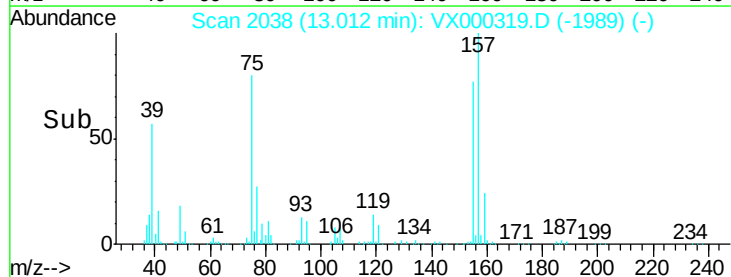
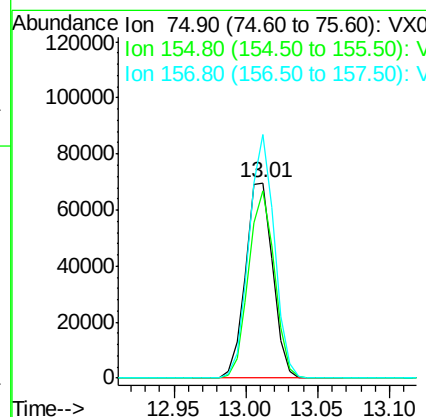
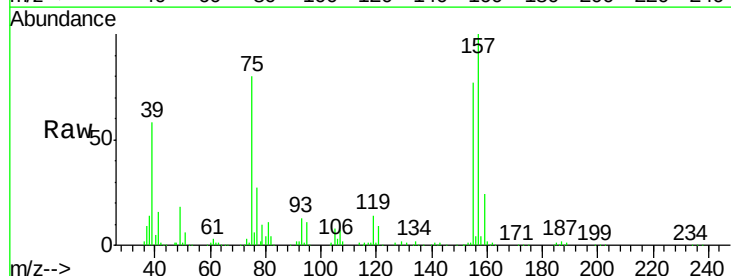
Manual Integrations
 APPROVED

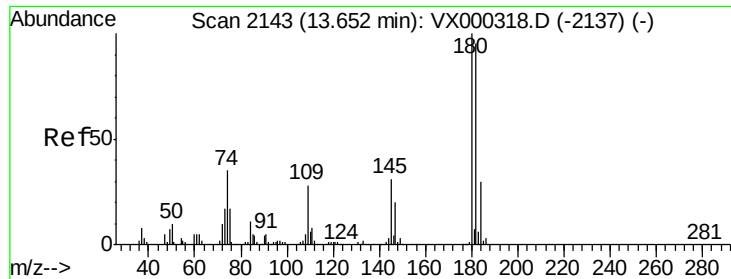
sam
 3/15/2018 3:37:08 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 88.83 ug/l
 RT: 13.01 min Scan# 2038
 Delta R.T. 0.00 min
 Lab File: VX000319.D
 Acq: 14 Mar 2018 17:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.1	45.0	134.8
157	115.9	58.1	174.2





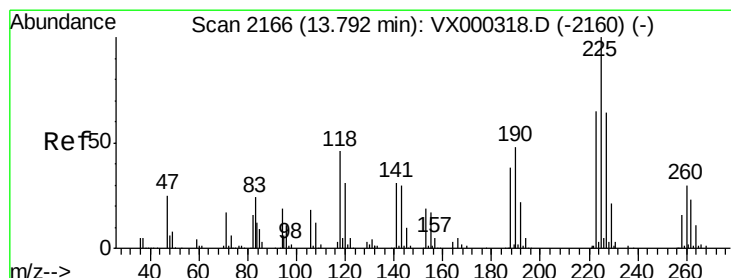
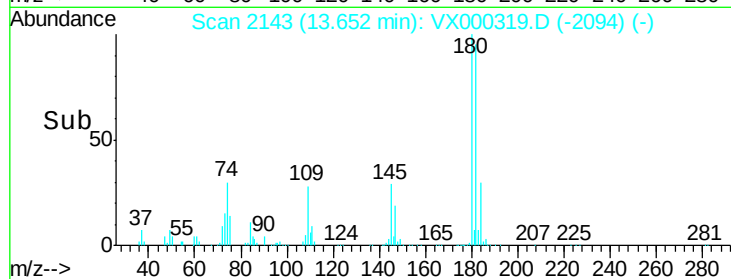
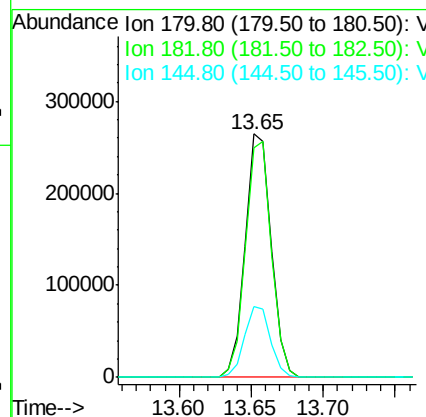
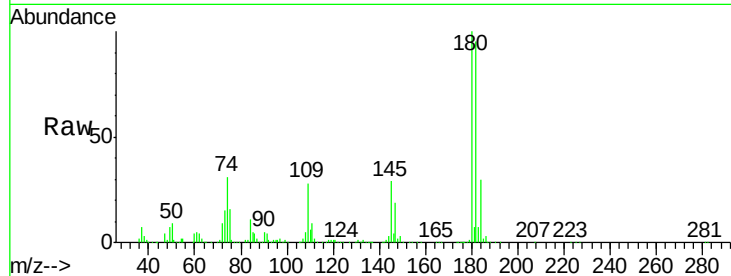
#93
1,2,4-Trichlorobenzene
Concen: 76.23 ug/l
RT: 13.65 min Scan# 2143
Delta R.T. 0.00 min
Lab File: VX000319.D
Acq: 14 Mar 2018 17:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.6	47.6	142.9	
145	29.1	15.1	45.3	

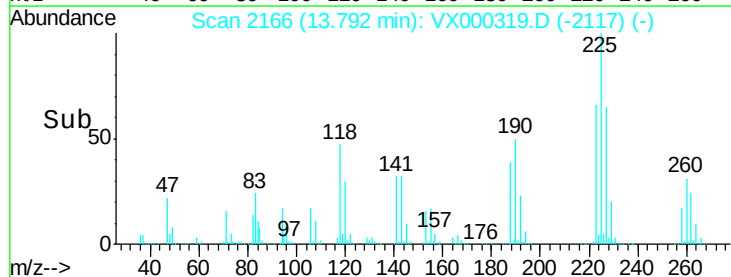
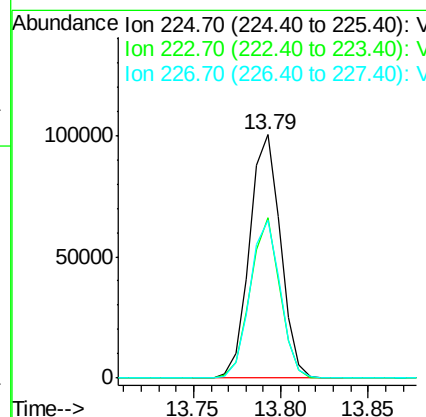
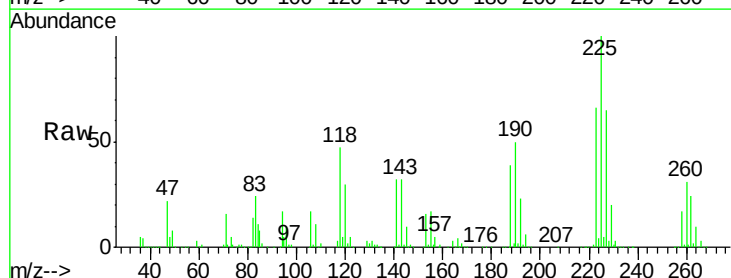
Manual Integrations
APPROVED

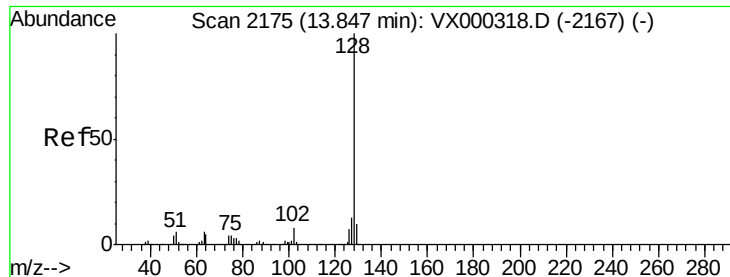
sam
3/15/2018 3:37:08 PM



#94
Hexachlorobutadiene
Concen: 53.91 ug/l
RT: 13.79 min Scan# 2166
Delta R.T. 0.00 min
Lab File: VX000319.D
Acq: 14 Mar 2018 17:41

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.2	32.0	96.0	
227	63.8	32.6	98.0	





#95

Naphthalene

Concen: 93.66 ug/l

RT: 13.85 min Scan# 2175

Delta R.T. 0.00 min

Lab File: VX000319.D

Acq: 14 Mar 2018 17:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:128 Resp: 1191195

Ion Ratio Lower Upper

128 100

127 13.1 10.6 15.8

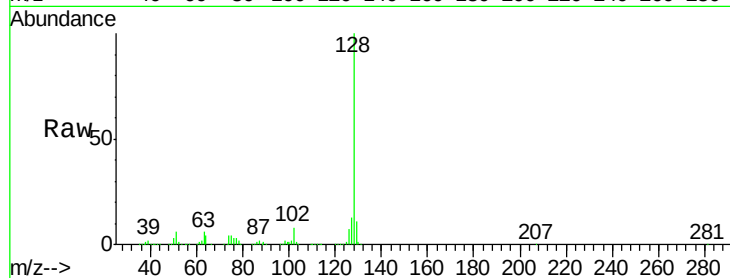
129 11.0 8.9 13.3

Manual Integrations

APPROVED

sam

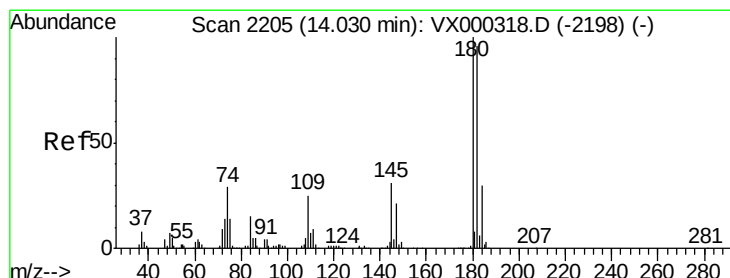
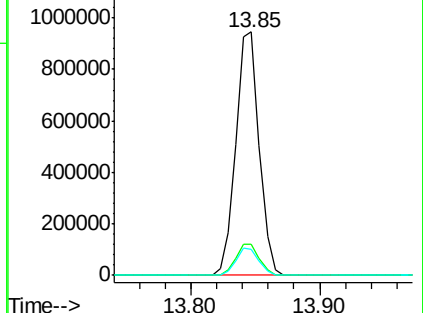
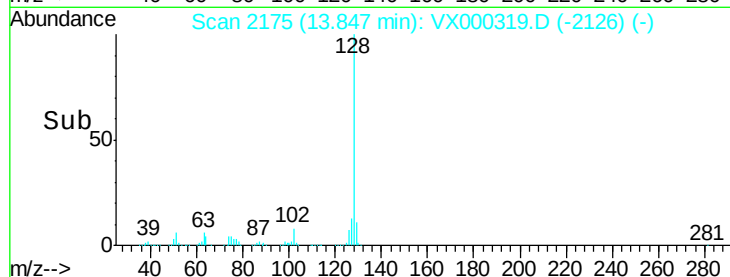
3/15/2018 3:37:08 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 78.54 ug/l

RT: 14.03 min Scan# 2205

Delta R.T. 0.00 min

Lab File: VX000319.D

Acq: 14 Mar 2018 17:41

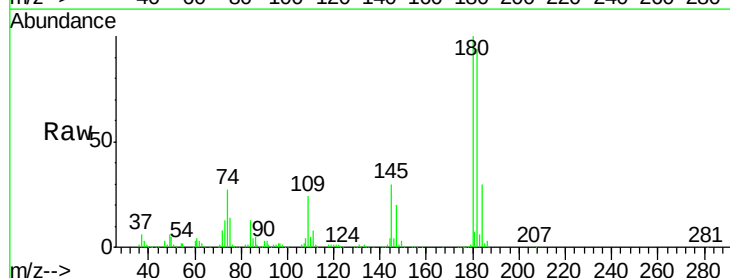
Tgt Ion:180 Resp: 330422

Ion Ratio Lower Upper

180 100

182 95.1 47.4 142.3

145 31.3 15.8 47.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

