

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX022818\
 Data File : VX000160.D
 Acq On : 28 Feb 2018 11:17
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 3/1/2018 12:52:52 PM

Quant Time: Mar 01 06:37:44 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X021418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 15 12:46:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	136291	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	224296	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	228576	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	139563	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	93590	54.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.98%	
35) Dibromofluoromethane	5.51	113	73105	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
50) Toluene-d8	8.72	98	301062	53.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.82%	
62) 4-Bromofluorobenzene	11.15	95	122899	56.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	59390	42.32	ug/l	99
3) Chloromethane	1.32	50	53695	39.01	ug/l	99
4) Vinyl Chloride	1.41	62	68416	44.62	ug/l	100
5) Bromomethane	1.64	94	74295	61.53	ug/l	100
6) Chloroethane	1.72	64	44307	43.03	ug/l	97
7) Trichlorofluoromethane	1.93	101	125008	45.59	ug/l	97
8) Diethyl Ether	2.19	74	43581	46.06	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	69965	45.66	ug/l	95
10) Methyl Iodide	2.51	142	55462	33.04	ug/l	96
11) Tert butyl alcohol	3.07	59	167981	256.11	ug/l	99
12) 1,1-Dichloroethene	2.38	96	60632	42.48	ug/l	95
13) Acrolein	2.29	56	13706	43.75	ug/l	95
14) Allyl chloride	2.73	41	114856	48.07	ug/l	96
15) Acrylonitrile	3.15	53	274314	244.90	ug/l	99
16) Acetone	2.45	43	392321	355.42	ug/l	98
17) Carbon Disulfide	2.57	76	141582	33.69	ug/l	98
18) Methyl Acetate	2.78	43	145675	56.28	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	241729	49.34	ug/l	99
20) Methylene Chloride	2.86	84	66951	47.58	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	66140	42.74	ug/l	94
22) Diisopropyl ether	3.88	45	228775	54.80	ug/l	97
23) Vinyl Acetate	3.83	43	1069386	275.64	ug/l	97
24) 1,1-Dichloroethane	3.70	63	123274	49.84	ug/l	98
25) 2-Butanone	4.71	43	437452	283.87	ug/l	98
26) 2,2-Dichloropropane	4.59	77	97944	45.55	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	67940	46.09	ug/l	99
28) Bromochloromethane	5.03	49	60542	54.59	ug/l	90
29) Tetrahydrofuran	5.17	42	257330	256.43	ug/l	97
30) Chloroform	5.22	83	128611	49.41	ug/l	98
31) Cyclohexane	5.59	56	96719	45.48	ug/l	95
32) 1,1,1-Trichloroethane	5.51	97	114694	47.88	ug/l	98
36) 1,1-Dichloropropene	5.81	75	92246	45.83	ug/l	97
37) Ethyl Acetate	4.87	43	134045	48.47	ug/l	97
38) Carbon Tetrachloride	5.79	117	95971	44.14	ug/l	98

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX022818\
 Data File : VX000160.D
 Acq On : 28 Feb 2018 11:17
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 3/1/2018 12:52:52 PM

Quant Time: Mar 01 06:37:44 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X021418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 15 12:46:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	114205	47.13	ug/l	99
40) Benzene	6.15	78	267689	46.55	ug/l	100
41) Methacrylonitrile	5.07	41	70764	53.35	ug/l	99
42) 1,2-Dichloroethane	6.20	62	106882	50.65	ug/l	98
43) Isopropyl Acetate	6.48	43	204461	51.27	ug/l	98
44) Trichloroethene	7.22	130	79337	46.85	ug/l	97
45) 1,2-Dichloropropane	7.52	63	72977	51.78	ug/l	98
46) Dibromomethane	7.67	93	55296	50.28	ug/l	94
47) Bromodichloromethane	7.90	83	105741	52.05	ug/l	98
48) Methyl methacrylate	7.79	41	99989	51.15	ug/l	97
49) 1,4-Dioxane	7.77	88	51667	1008.04	ug/l	96
51) 4-Methyl-2-Pentanone	8.66	43	801498	274.96	ug/l	97
52) Toluene	8.79	92	192365	50.07	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	120158	50.30	ug/l	97
54) cis-1,3-Dichloropropene	9.05	75	124433	52.46	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	80854	50.89	ug/l	97
56) Ethyl methacrylate	9.19	69	127632	52.35	ug/l	93
57) 1,3-Dichloropropane	9.38	76	131796	52.23	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	288116	233.79	ug/l	96
59) 2-Hexanone	9.51	43	712333	288.63	ug/l	98
60) Dibromochloromethane	9.59	129	91811	51.02	ug/l	99
61) 1,2-Dibromoethane	9.68	107	90431	51.29	ug/l	97
64) Tetrachloroethene	9.34	164	73207	43.98	ug/l	96
65) Chlorobenzene	10.15	112	233810	48.45	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	82051	48.59	ug/l	99
67) Ethyl Benzene	10.26	91	397936	49.12	ug/l	100
68) m/p-Xylenes	10.37	106	311156	97.00	ug/l	97
69) o-Xylene	10.71	106	152264	49.22	ug/l	97
70) Styrene	10.72	104	255341	50.48	ug/l	98
71) Bromoform	10.87	173	72321	47.16	ug/l #	100
73) Isopropylbenzene	11.02	105	415533	46.98	ug/l	99
74) N-amyl acetate	6.48	43	204461	45.76	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	149748	48.61	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	137620m	47.60	ug/l	
77) Bromobenzene	11.26	156	104796	43.72	ug/l	93
78) n-propylbenzene	11.37	91	494947	47.46	ug/l	99
79) 2-Chlorotoluene	11.43	91	279181	46.79	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	363639	48.63	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.09	75	48378	47.66	ug/l	94
82) 4-Chlorotoluene	11.52	91	348351	48.26	ug/l	96
83) tert-Butylbenzene	11.78	119	364299	48.24	ug/l	99
84) 1,2,4-Trimethylbenzene	11.82	105	372075	47.92	ug/l	100
85) sec-Butylbenzene	11.96	105	457642	48.80	ug/l	99
86) p-Isopropyltoluene	12.07	119	412214	49.19	ug/l	99
87) 1,3-Dichlorobenzene	12.04	146	209374	45.53	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	219777	46.25	ug/l	99
89) n-Butylbenzene	12.40	91	386505	48.91	ug/l	98
90) Hexachloroethane	12.60	117	66460	48.71	ug/l	91
91) 1,2-Dichlorobenzene	12.40	146	207758	45.90	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	45368	53.06	ug/l	89

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX022818\
Data File : VX000160.D
Acq On : 28 Feb 2018 11:17
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

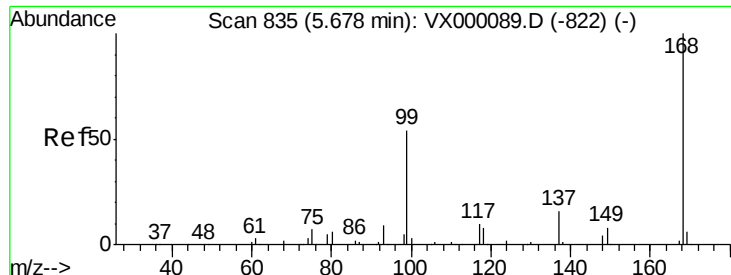
Manual Integrations
APPROVED

apatel
3/1/2018 12:52:52 PM

Quant Time: Mar 01 06:37:44 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X021418W.M
Quant Title : SW846 8260
QLast Update : Thu Feb 15 12:46:41 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	151616	44.65	ug/l	99
94) Hexachlorobutadiene	13.79	225	63481	42.84	ug/l	99
95) Naphthalene	13.84	128	548538	47.64	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	148903	44.42	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.01 min

Lab File: VX000160.D

Acq: 28 Feb 2018 11:17

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 136291

Ion Ratio Lower Upper

168 100

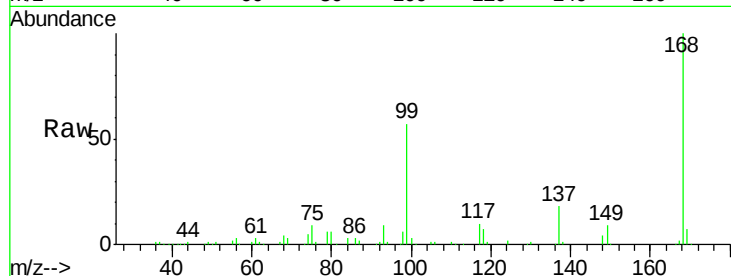
99 57.3 43.1 64.7

Manual Integrations

APPROVED

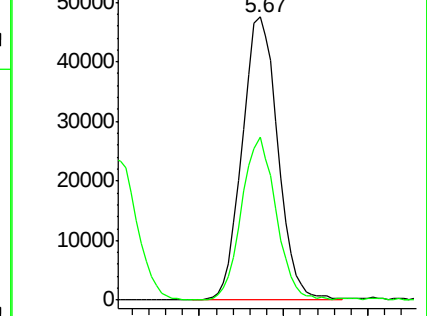
apatel

3/1/2018 12:52:52 PM

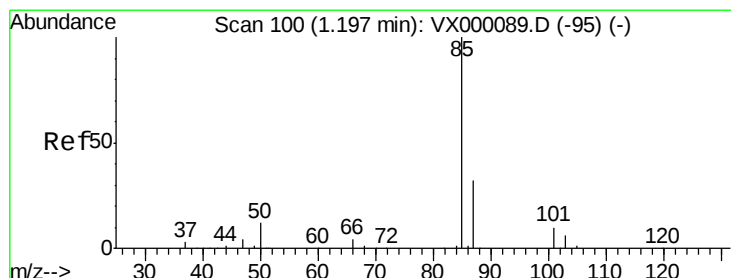
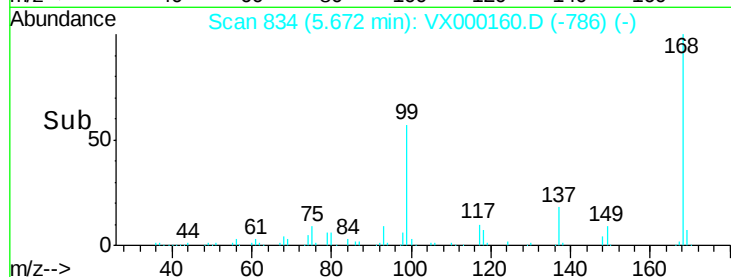


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



Time-->



#2

Dichlorodifluoromethane

Concen: 42.32 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX000160.D

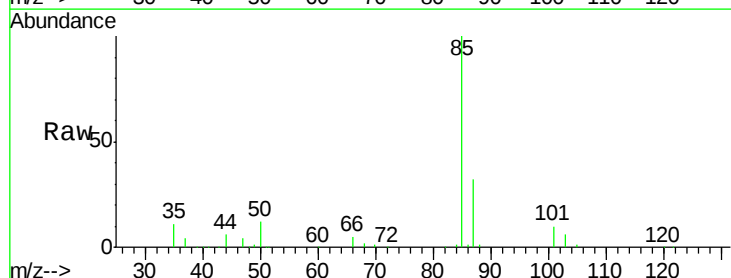
Acq: 28 Feb 2018 11:17

Tgt Ion: 85 Resp: 59390

Ion Ratio Lower Upper

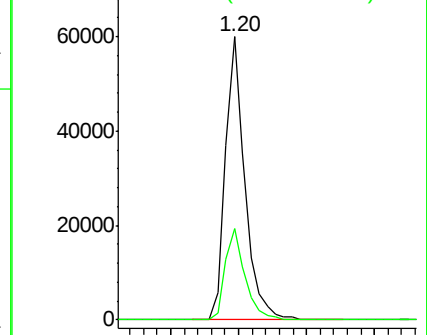
85 100

87 32.4 16.1 48.2

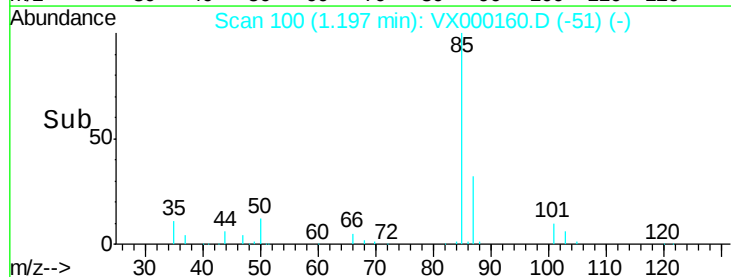


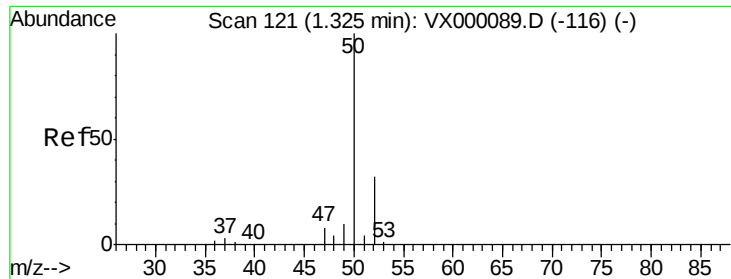
Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0



Time-->





#3

Chloromethane

Concen: 39.01 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX000160.D

Acq: 28 Feb 2018 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 53695

Ion Ratio Lower Upper

50 100

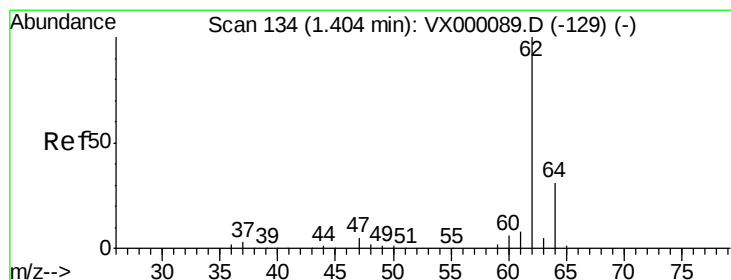
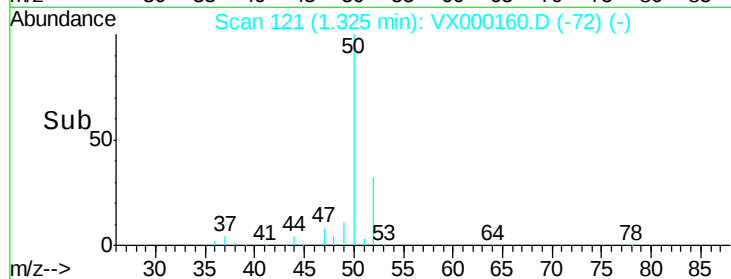
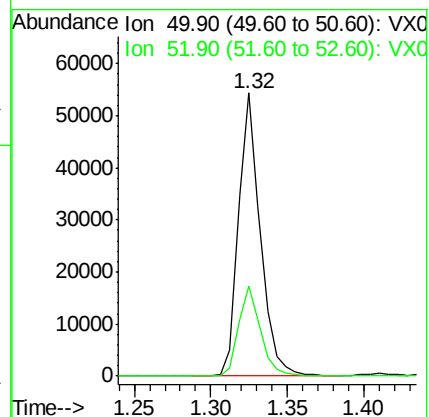
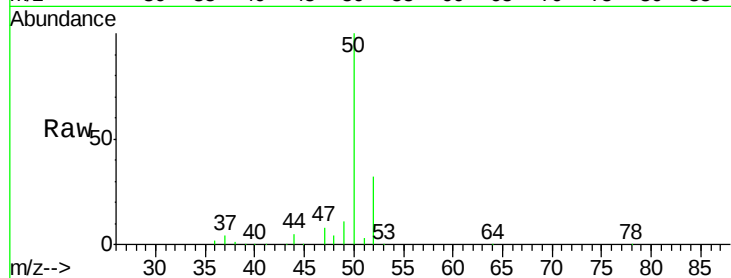
52 31.8 25.9 38.9

Manual Integrations

APPROVED

apatel

3/1/2018 12:52:52 PM



#4

Vinyl Chloride

Concen: 44.62 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX000160.D

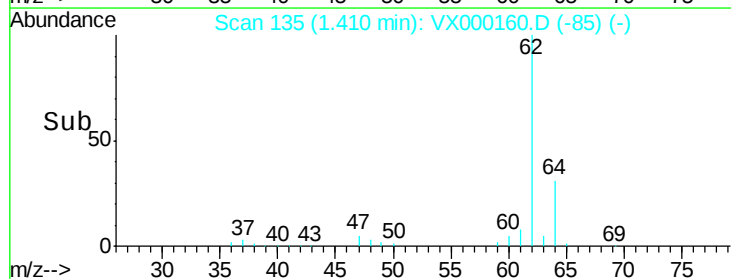
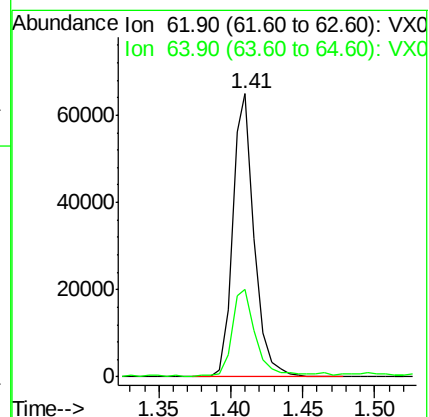
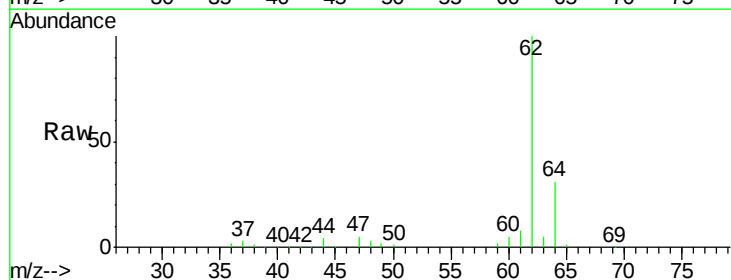
Acq: 28 Feb 2018 11:17

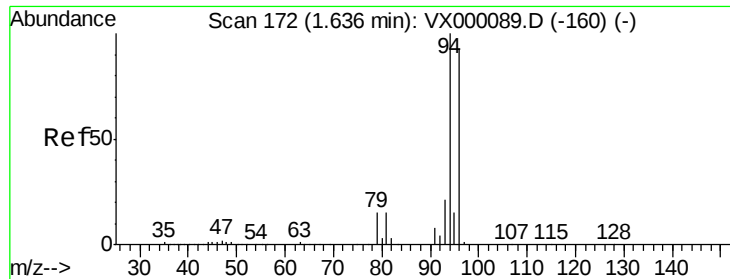
Tgt Ion: 62 Resp: 68416

Ion Ratio Lower Upper

62 100

64 30.8 24.6 37.0





#5

Bromomethane

Concen: 61.53 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX000160.D

Acq: 28 Feb 2018 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 74295

Ion Ratio Lower Upper

94 100

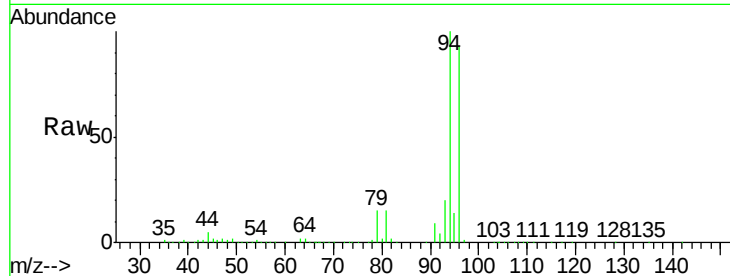
96 93.4 74.6 112.0

Manual Integrations

APPROVED

apatel

3/1/2018 12:52:52 PM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

80000

60000

40000

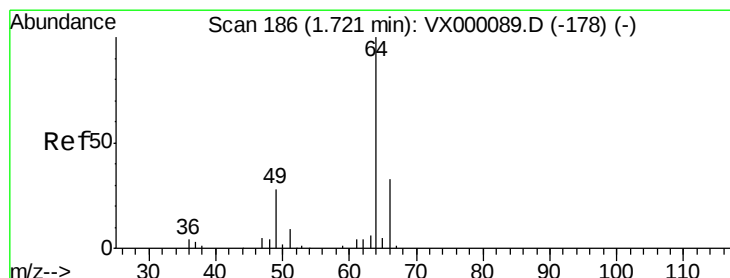
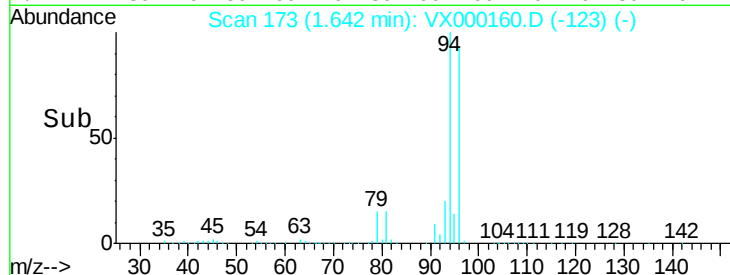
20000

0

Time-->

1.55 1.60 1.65 1.70

1.64



#6

Chloroethane

Concen: 43.03 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.00 min

Lab File: VX000160.D

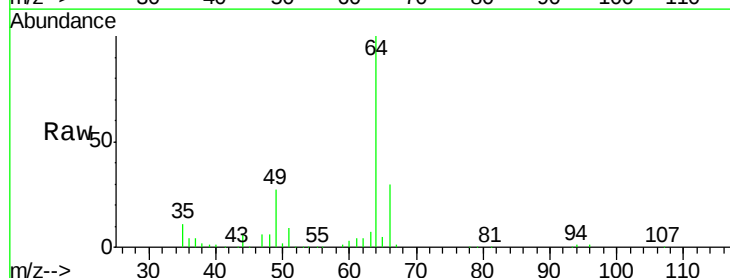
Acq: 28 Feb 2018 11:17

Tgt Ion: 64 Resp: 44307

Ion Ratio Lower Upper

64 100

66 30.9 26.0 39.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

30000

20000

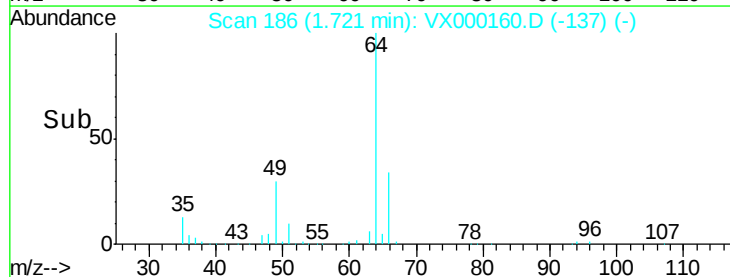
10000

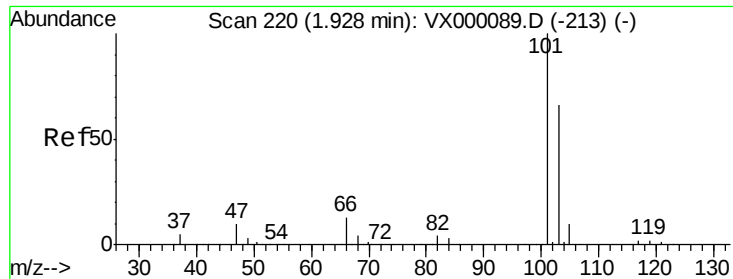
0

Time-->

1.65 1.70 1.75 1.80

1.72





#7

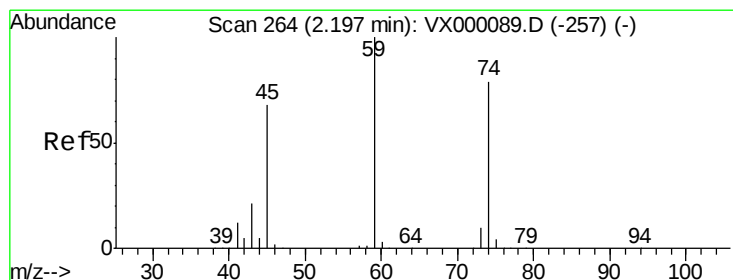
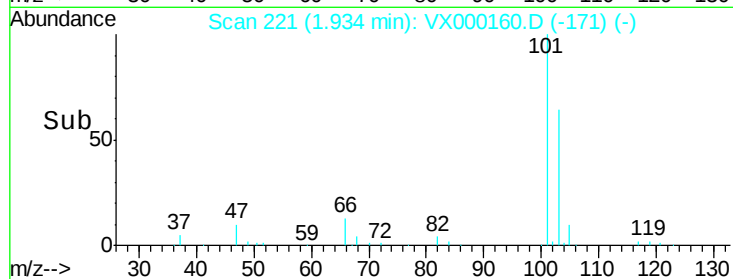
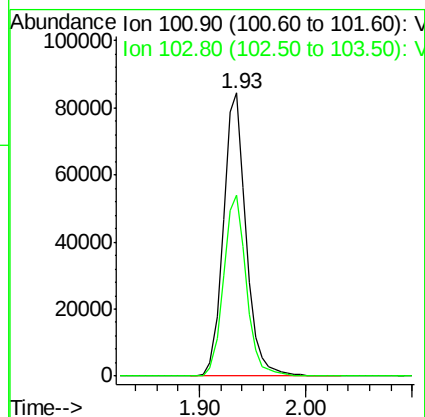
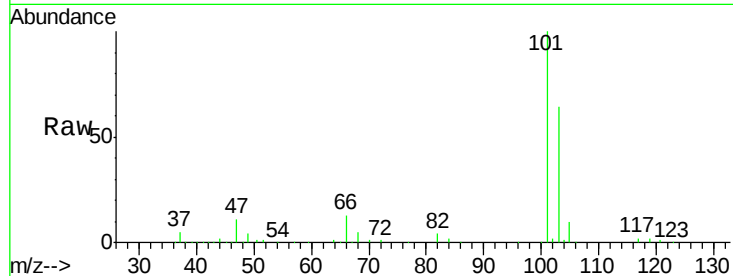
Trichlorofluoromethane
Concen: 45.59 ug/l
RT: 1.93 min Scan# 221
Delta R.T. 0.01 min
Lab File: VX000160.D
Acq: 28 Feb 2018 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 125008
Ion Ratio Lower Upper
101 100
103 63.8 52.7 79.1

Manual Integrations
APPROVED

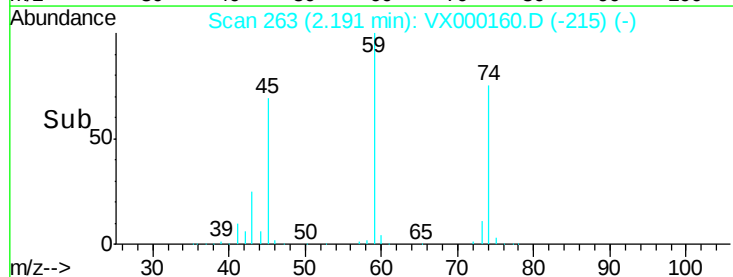
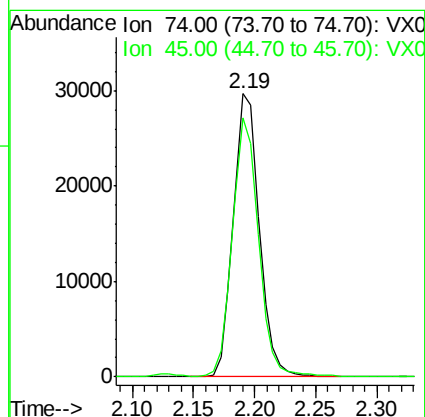
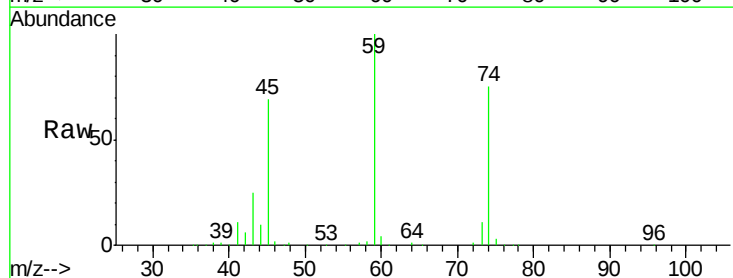
apatel
3/1/2018 12:52:52 PM

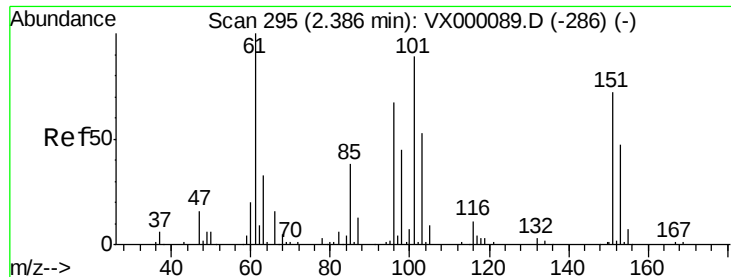


#8

Diethyl Ether
Concen: 46.06 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.01 min
Lab File: VX000160.D
Acq: 28 Feb 2018 11:17

Tgt Ion: 74 Resp: 43581
Ion Ratio Lower Upper
74 100
45 92.4 44.7 134.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.66 ug/l

RT: 2.39 min Scan# 296

Delta R.T. 0.01 min

Lab File: VX000160.D

Acq: 28 Feb 2018 11:17

Instrument :

MSVOA_X

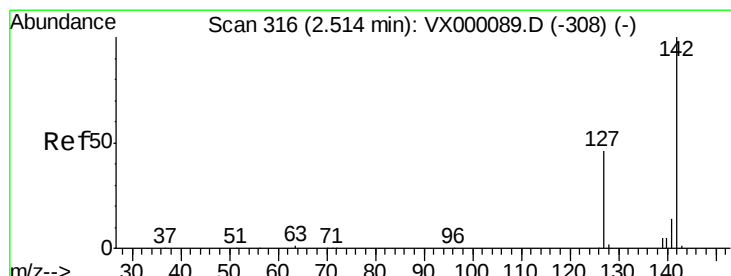
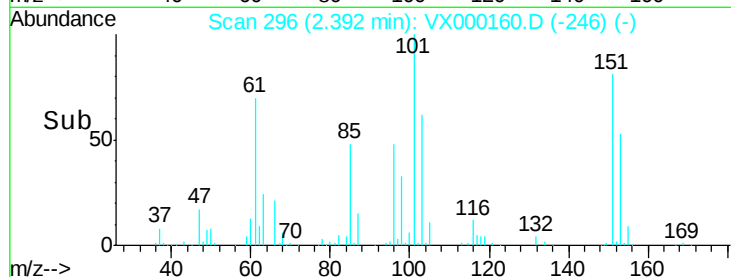
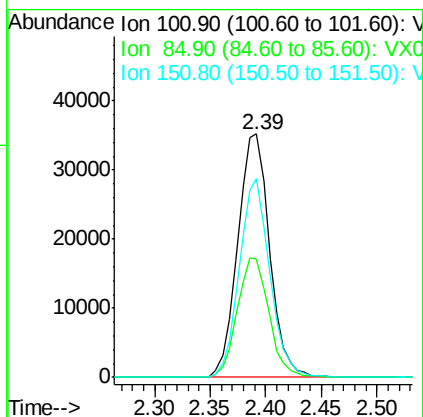
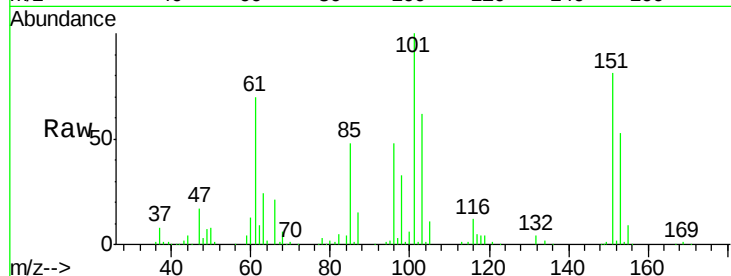
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	69965
Ion Ratio	Lower	Upper	
101	100		
85	48.8	36.7	55.1
151	78.0	65.8	98.6

Manual Integrations
APPROVED

apatel
3/1/2018 12:52:52 PM



#10

Methyl Iodide

Concen: 33.04 ug/l

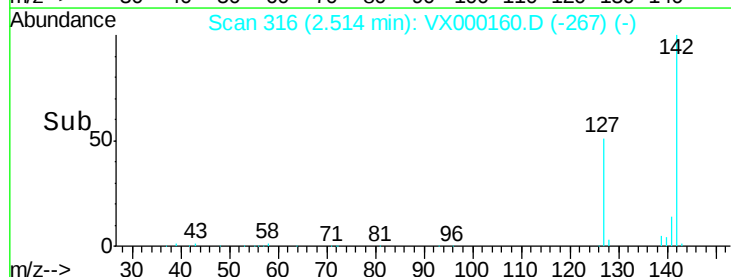
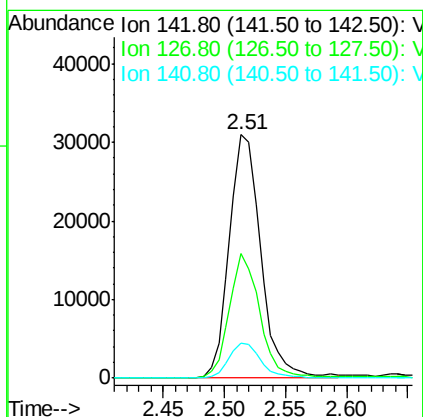
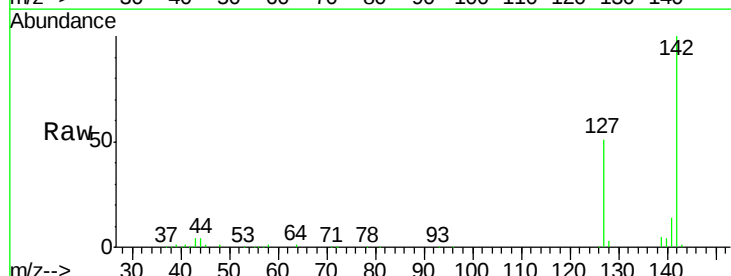
RT: 2.51 min Scan# 316

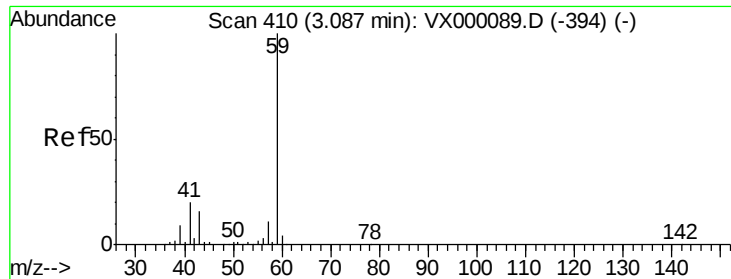
Delta R.T. 0.00 min

Lab File: VX000160.D

Acq: 28 Feb 2018 11:17

Tgt Ion:	142	Resp:	55462
Ion Ratio	Lower	Upper	
142	100		
127	49.4	36.8	55.2
141	14.8	11.6	17.4





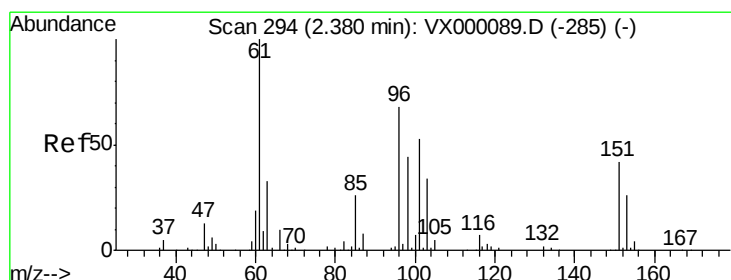
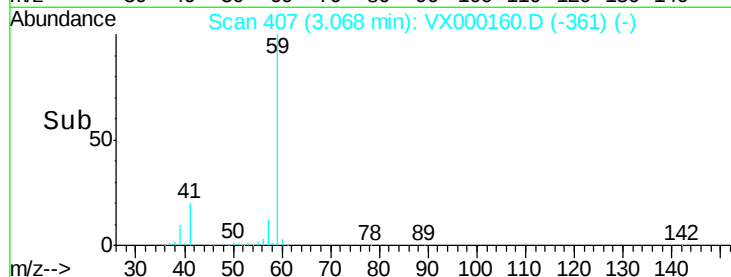
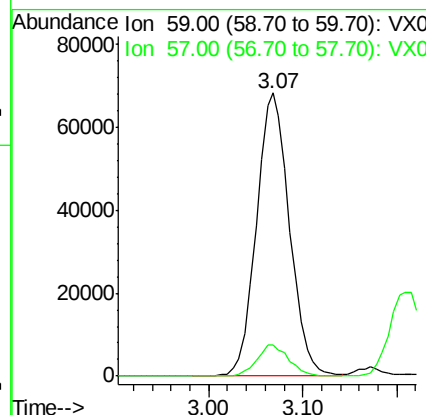
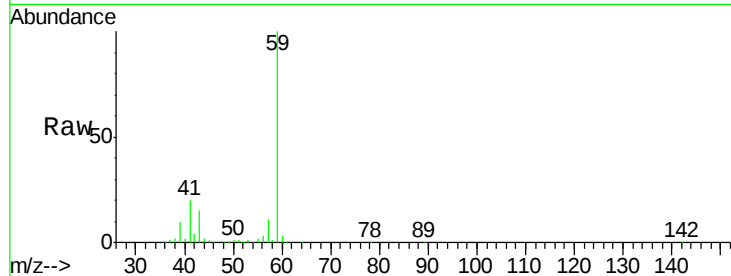
#11
Tert butyl alcohol
Concen: 256.11 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.02 min
Lab File: VX000160.D
Acq: 28 Feb 2018 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 167981
Ion Ratio Lower Upper
59 100
57 10.8 8.3 12.5

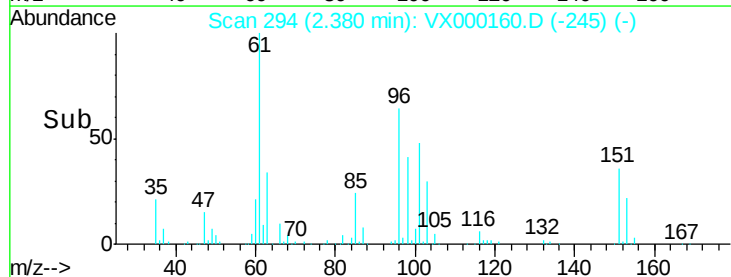
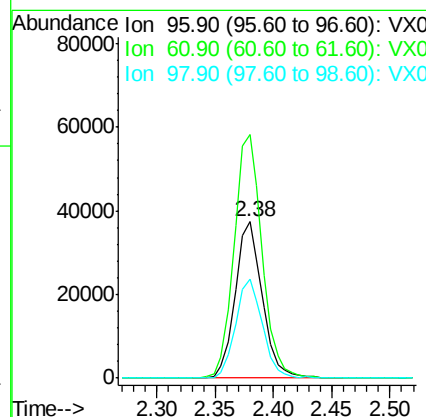
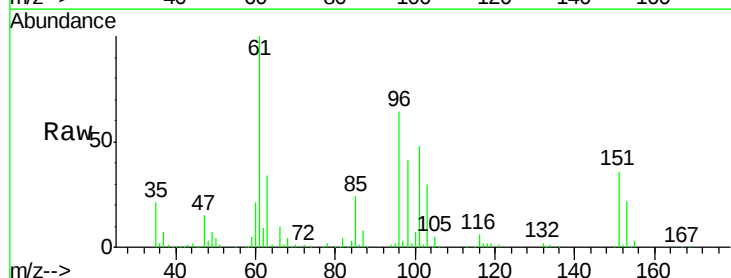
Manual Integrations
APPROVED

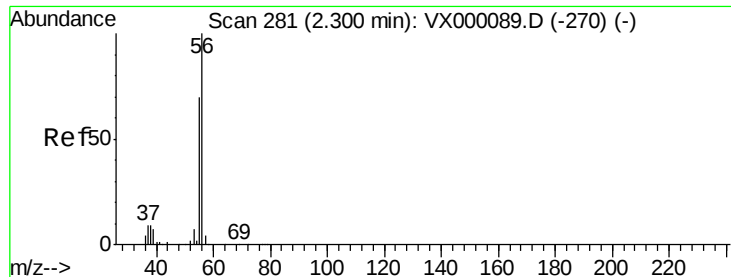
apatel
3/1/2018 12:52:52 PM



#12
1,1-Dichloroethene
Concen: 42.48 ug/l
RT: 2.38 min Scan# 294
Delta R.T. -0.00 min
Lab File: VX000160.D
Acq: 28 Feb 2018 11:17

Tgt Ion: 96 Resp: 60632
Ion Ratio Lower Upper
96 100
61 155.7 117.7 176.5
98 63.5 51.3 76.9





#13

Acrolein

Concen: 43.75 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX000160.D

Acq: 28 Feb 2018 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 13706

Ion Ratio Lower Upper

56 100

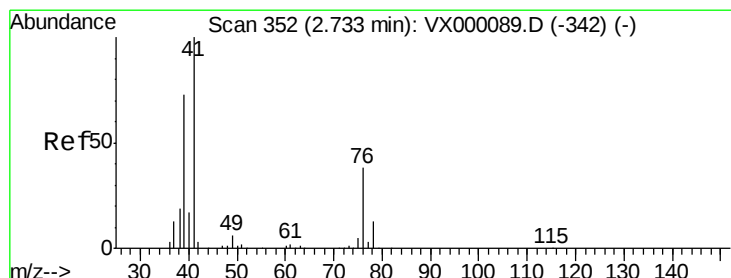
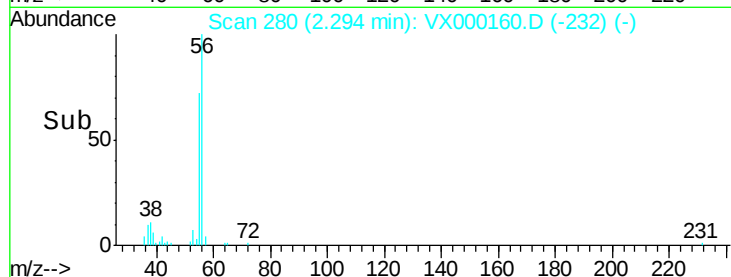
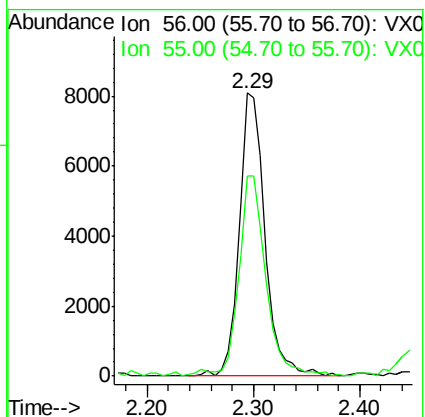
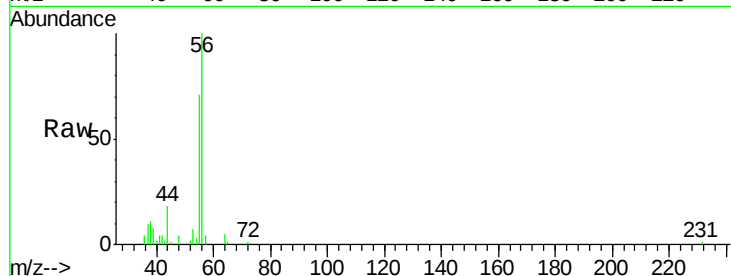
55 74.2 56.2 84.4

Manual Integrations

APPROVED

apatel

3/1/2018 12:52:52 PM



#14

Allyl chloride

Concen: 48.07 ug/l

RT: 2.73 min Scan# 352

Delta R.T. -0.00 min

Lab File: VX000160.D

Acq: 28 Feb 2018 11:17

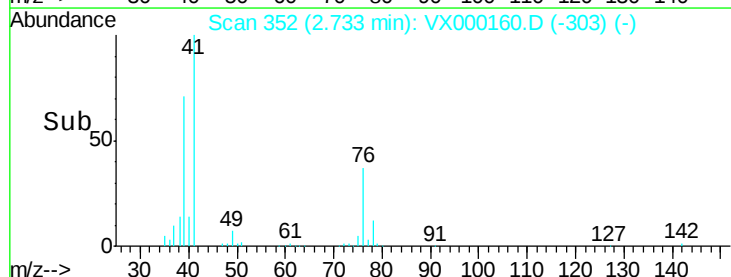
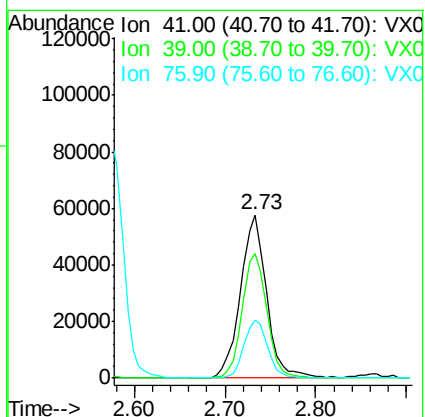
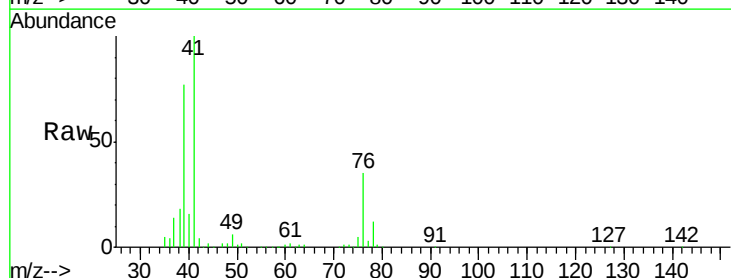
Tgt Ion: 41 Resp: 114856

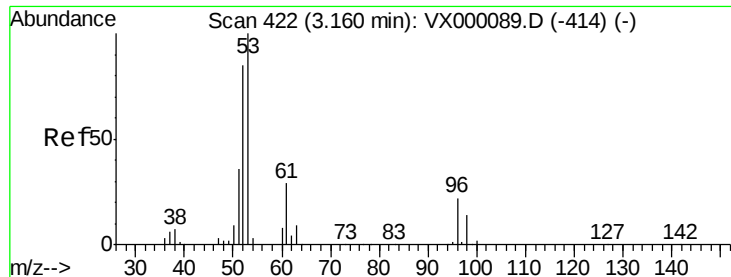
Ion Ratio Lower Upper

41 100

39 71.6 55.1 82.7

76 32.6 28.5 42.7





#15

Acrylonitrile

Concen: 244.90 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.01 min

Lab File: VX000160.D

Acq: 28 Feb 2018 11:17

Instrument :

MSVOA_X

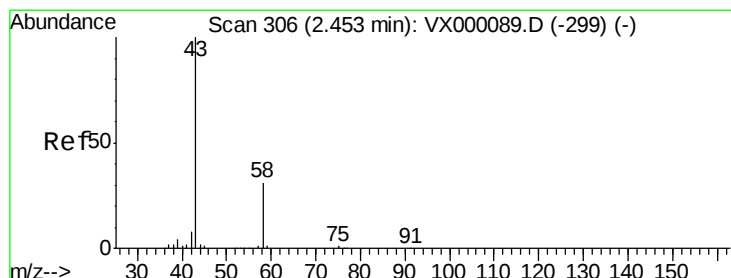
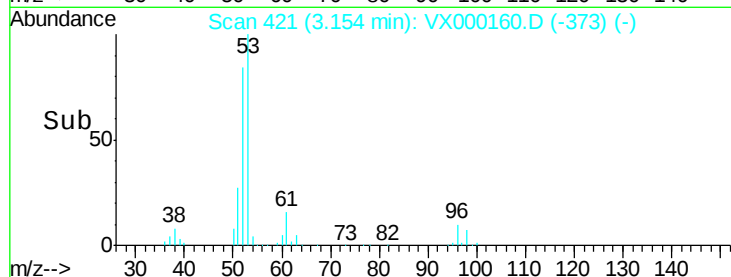
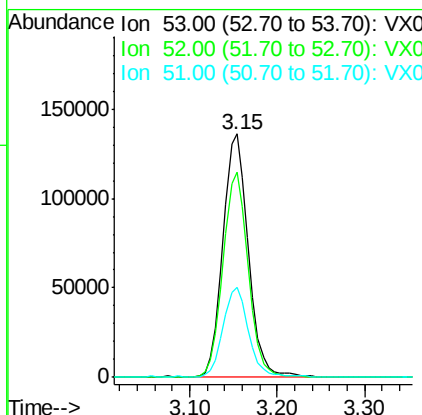
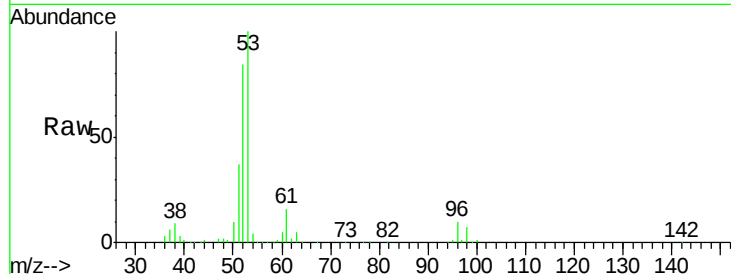
ClientSampled :

VSTDCCC050

Tot Ion:	53	Resp:	274314
Ion Ratio		Lower	Upper
53	100		
52	84.0	66.5	99.7
51	37.2	29.0	43.6

Manual Integrations
APPROVED

apatel
3/1/2018 12:52:52 PM



#16

Acetone

Concen: 355.42 ug/l

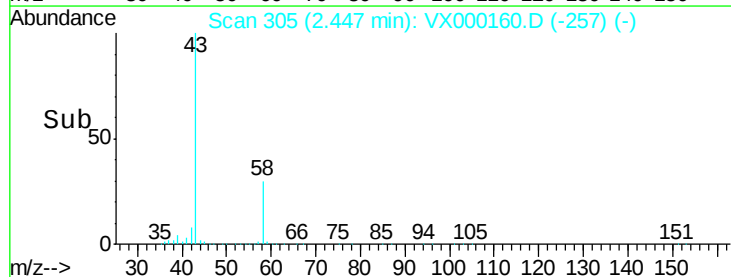
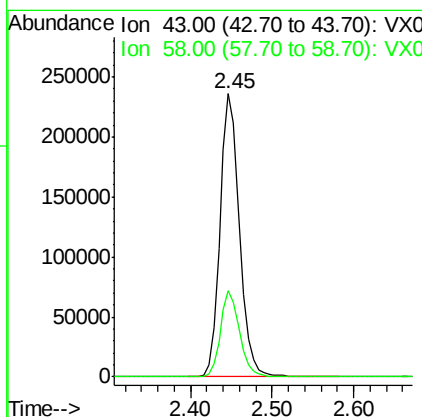
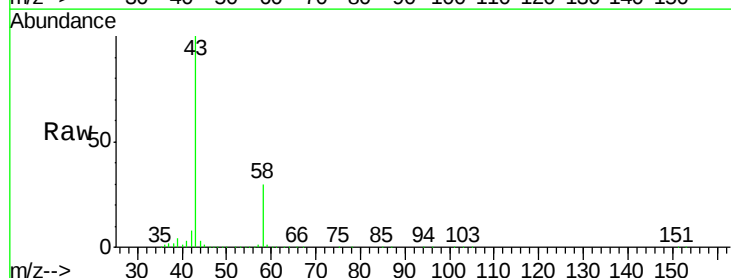
RT: 2.45 min Scan# 305

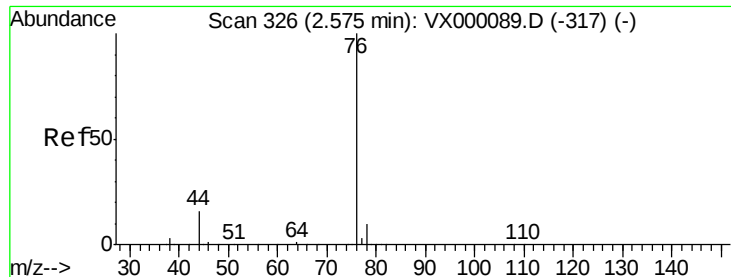
Delta R.T. -0.01 min

Lab File: VX000160.D

Acq: 28 Feb 2018 11:17

Tgt Ion:	43	Resp:	392321
Ion Ratio		Lower	Upper
43	100		
58	30.3	25.0	37.4





#17

Carbon Disulfide

Concen: 33.69 ug/l

RT: 2.57 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX000160.D

Acq: 28 Feb 2018 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 141582

Ion Ratio Lower Upper

76 100

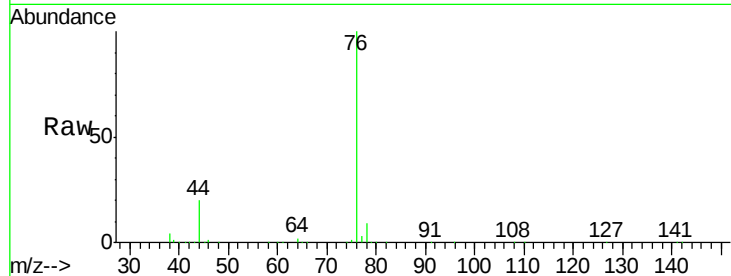
78 9.1 7.8 11.8

Manual Integrations

APPROVED

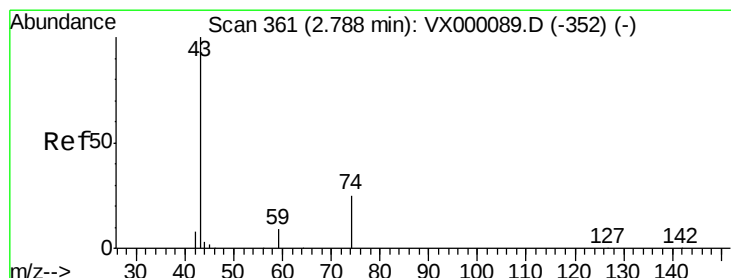
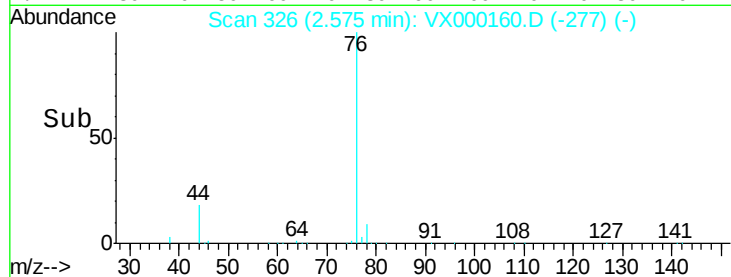
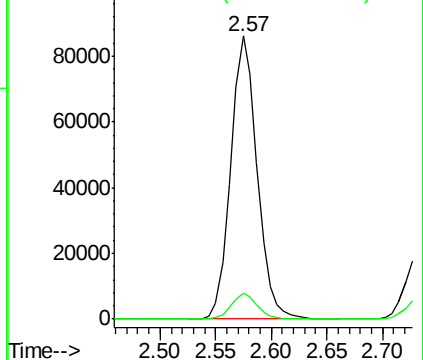
apatel

3/1/2018 12:52:52 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 56.28 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.01 min

Lab File: VX000160.D

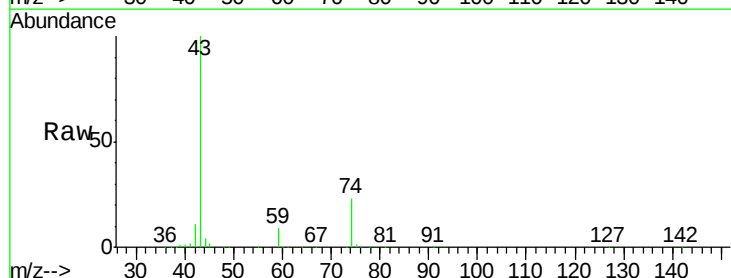
Acq: 28 Feb 2018 11:17

Tgt Ion: 43 Resp: 145675

Ion Ratio Lower Upper

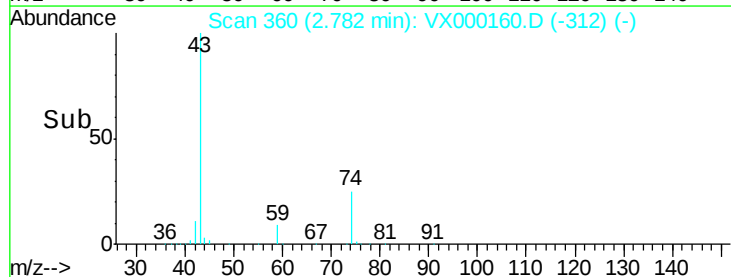
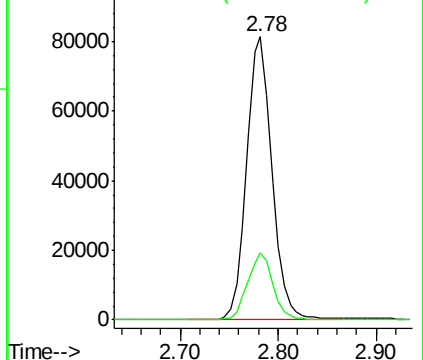
43 100

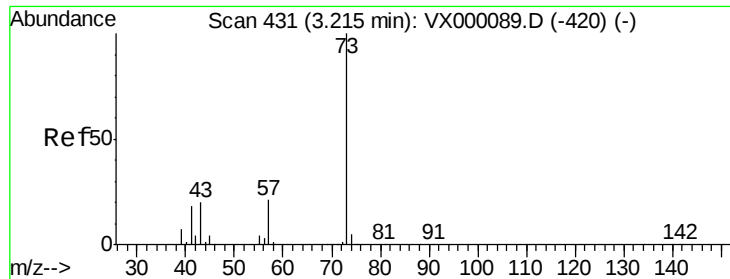
74 23.9 20.2 30.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





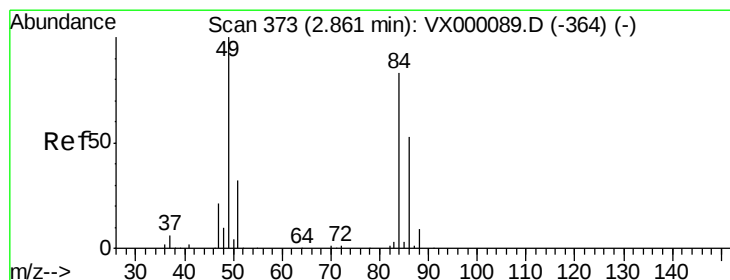
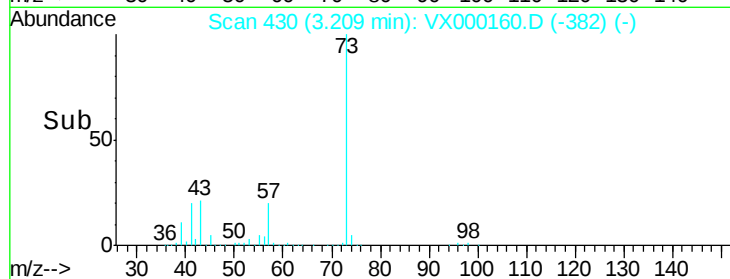
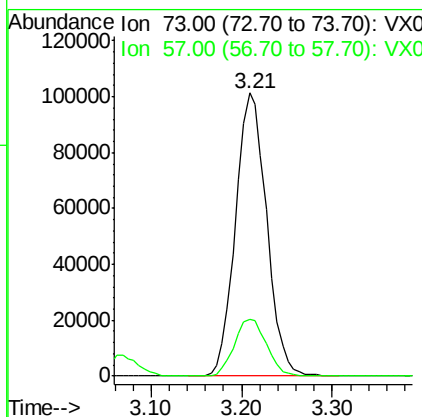
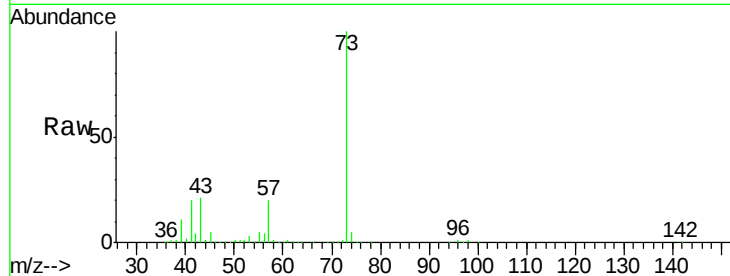
#19
Methvl tert-butvl Ether
Concen: 49.34 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.01 min
Lab File: VX000160.D
Acq: 28 Feb 2018 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 241729
Ion Ratio Lower Upper
73 100
57 19.9 16.4 24.6

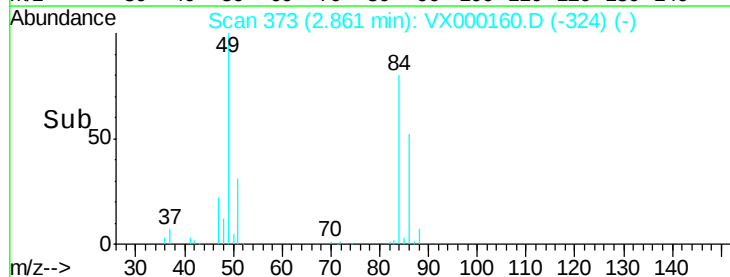
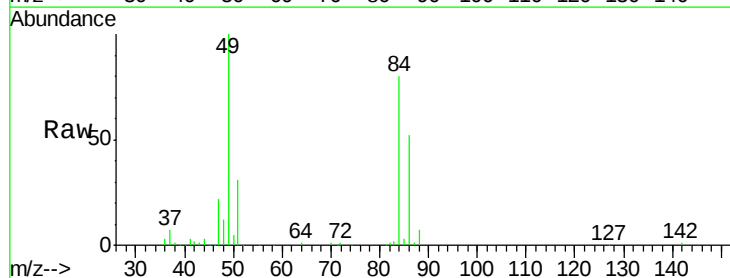
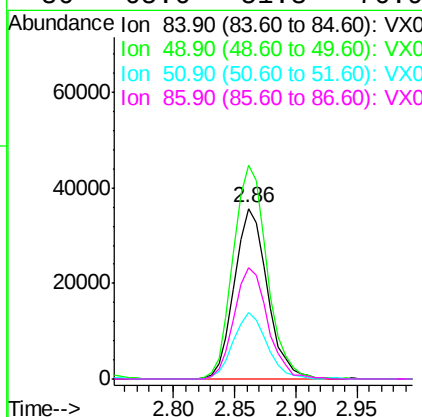
Manual Integrations
APPROVED

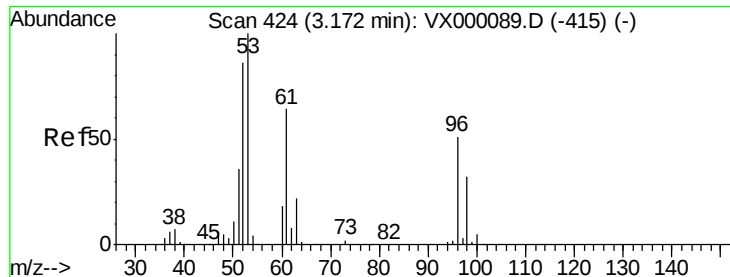
apatel
3/1/2018 12:52:52 PM



#20
Methylene Chloride
Concen: 47.58 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX000160.D
Acq: 28 Feb 2018 11:17

Tgt Ion: 84 Resp: 66951
Ion Ratio Lower Upper
84 100
49 125.1 96.1 144.1
51 38.7 30.5 45.7
86 65.6 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 42.74 ug/l

RT: 3.17 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX000160.D

Acq: 28 Feb 2018 11:17

Instrument :

MSVOA_X

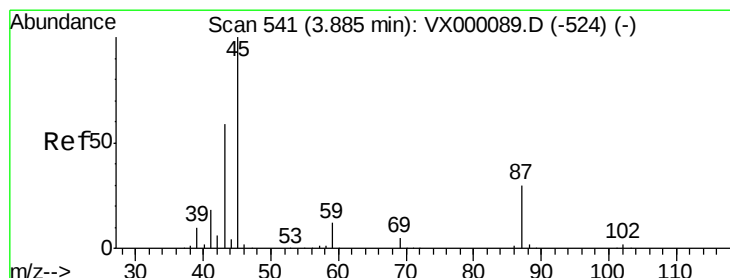
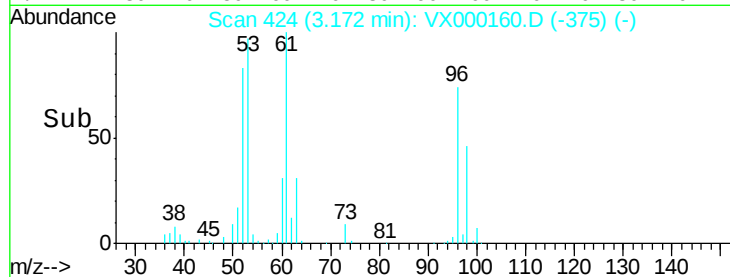
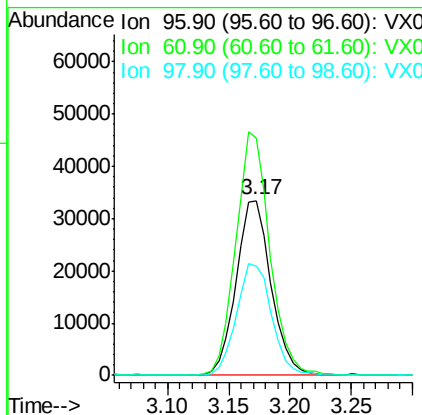
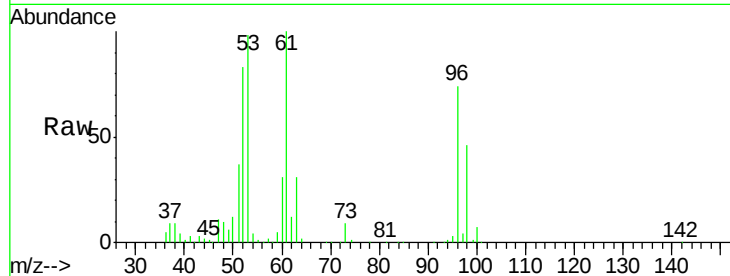
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	66140
Ion	Ratio	Lower	Upper
96	100		
61	135.4	100.3	150.5
98	62.3	50.6	75.8

Manual Integrations
APPROVED

apatel
3/1/2018 12:52:52 PM



#22

Diisopropyl ether

Concen: 54.80 ug/l

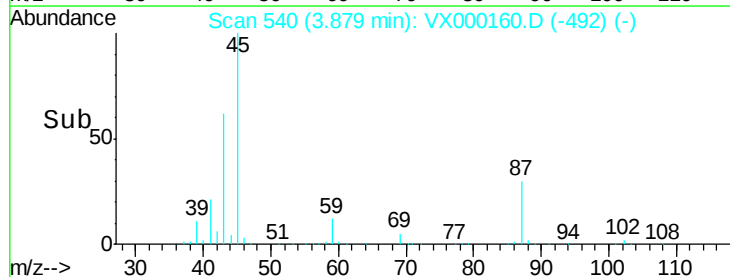
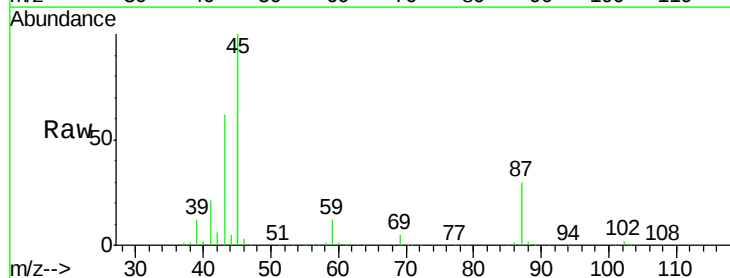
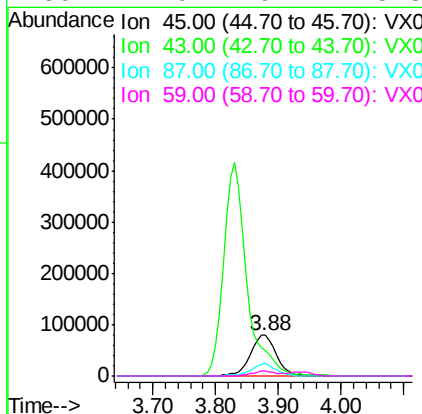
RT: 3.88 min Scan# 540

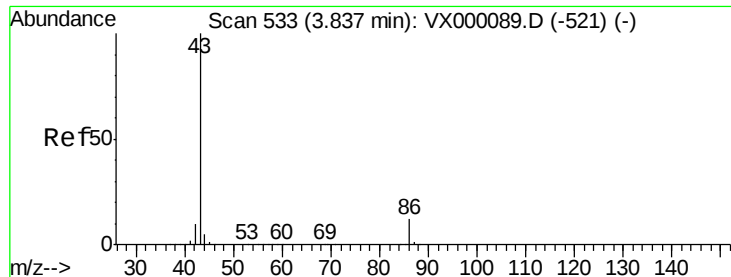
Delta R.T. -0.01 min

Lab File: VX000160.D

Acq: 28 Feb 2018 11:17

Tgt Ion:	45	Resp:	228775
Ion	Ratio	Lower	Upper
45	100		
43	62.3	47.4	71.2
87	30.0	24.2	36.2
59	12.0	9.2	13.8





#23

Vinyl Acetate

Concen: 275.64 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.01 min

Lab File: VX000160.D

Acq: 28 Feb 2018 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1069386

Ion Ratio Lower Upper

43 100

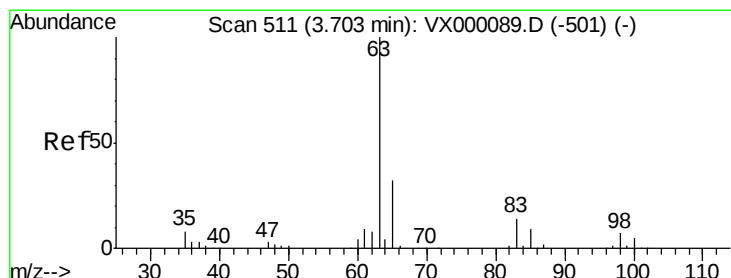
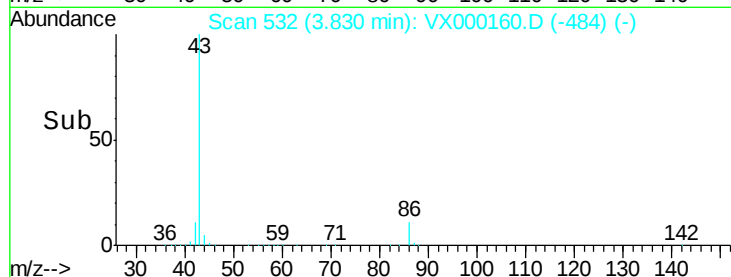
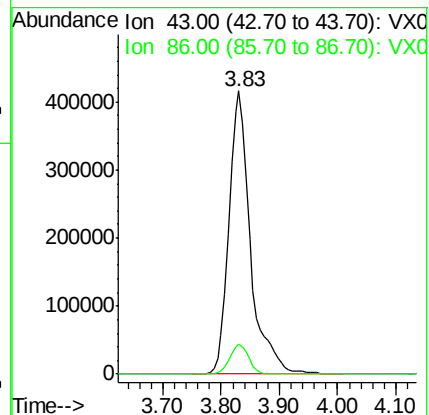
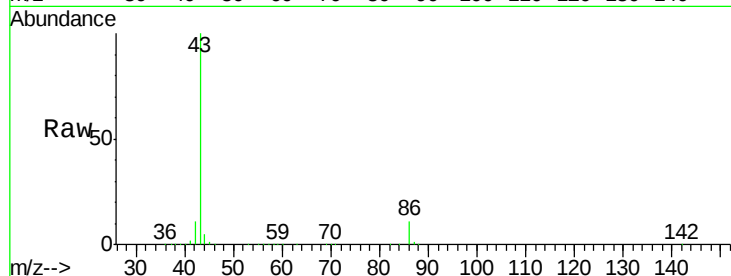
86 10.5 9.4 14.0

Manual Integrations

APPROVED

apatel

3/1/2018 12:52:52 PM



#24

1,1-Dichloroethane

Concen: 49.84 ug/l

RT: 3.70 min Scan# 511

Delta R.T. -0.00 min

Lab File: VX000160.D

Acq: 28 Feb 2018 11:17

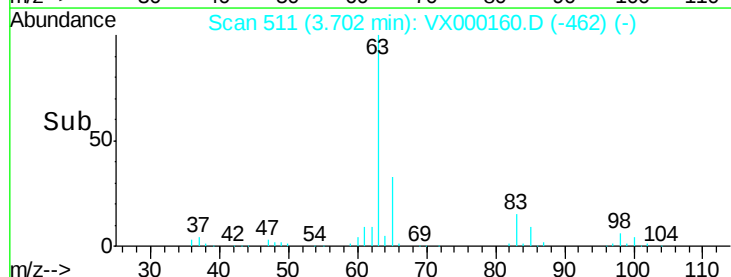
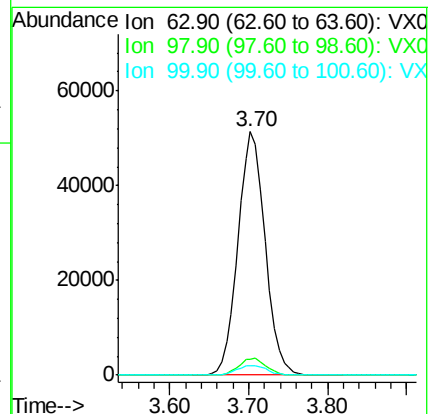
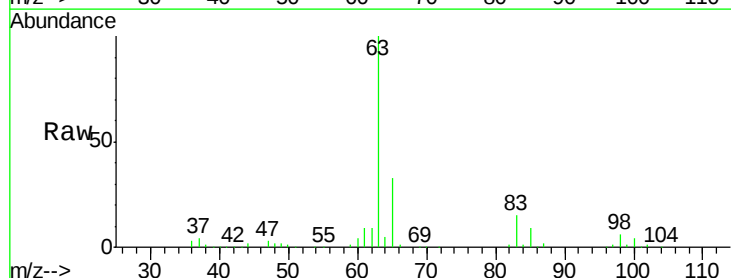
Tgt Ion: 63 Resp: 123274

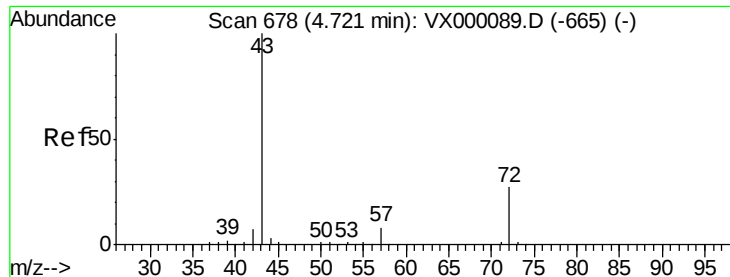
Ion Ratio Lower Upper

63 100

98 6.4 3.5 10.5

100 4.0 2.4 7.1





#25

2-Butanone

Concen: 283.87 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX000160.D

Acq: 28 Feb 2018 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 437452

Ion Ratio Lower Upper

43 100

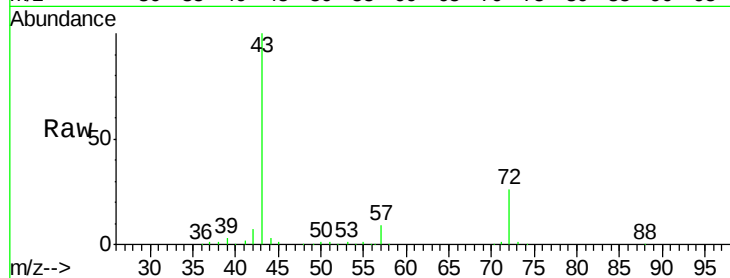
72 25.8 21.3 31.9

Manual Integrations

APPROVED

apatel

3/1/2018 12:52:52 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

150000

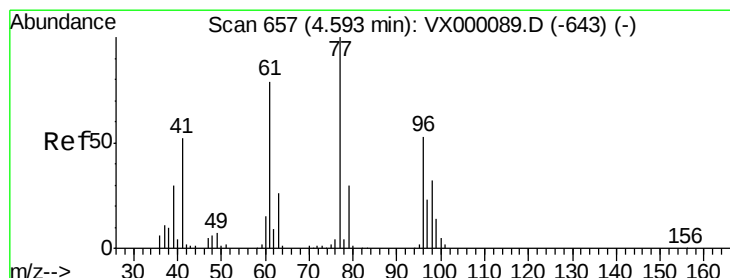
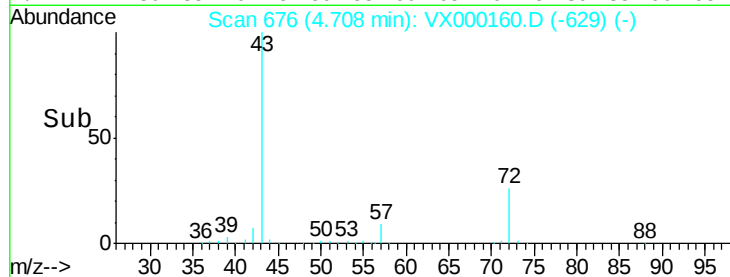
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 45.55 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX000160.D

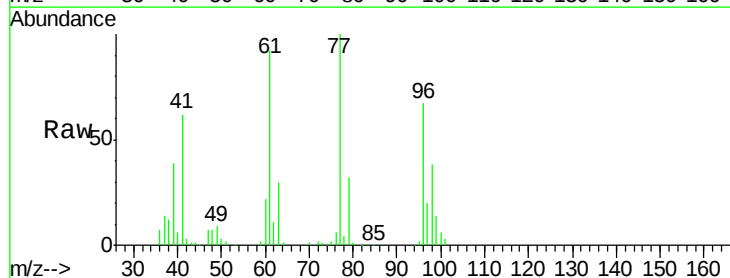
Acq: 28 Feb 2018 11:17

Tgt Ion: 77 Resp: 97944

Ion Ratio Lower Upper

77 100

97 22.1 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

30000

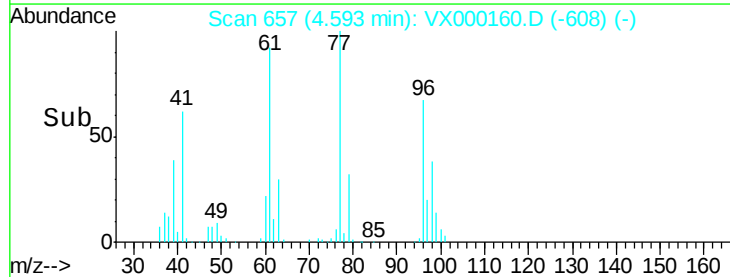
20000

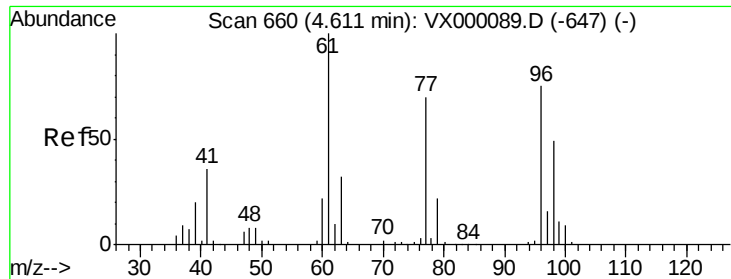
10000

0

4.50 4.60 4.70

Time-->





#27

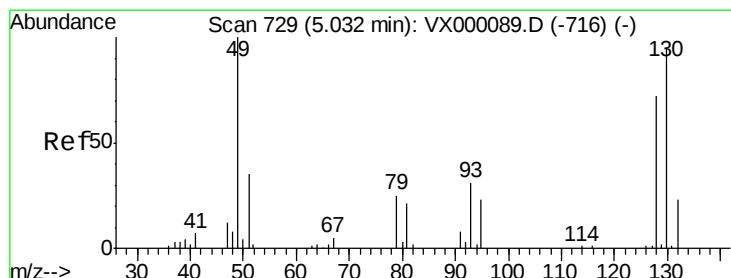
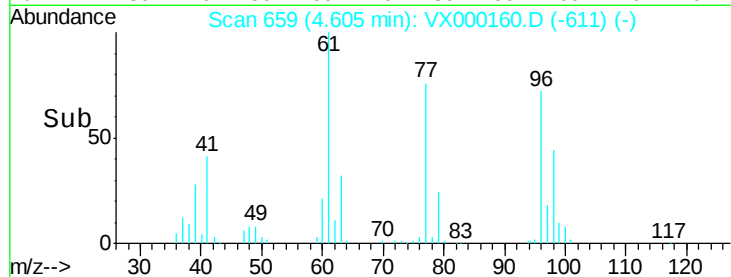
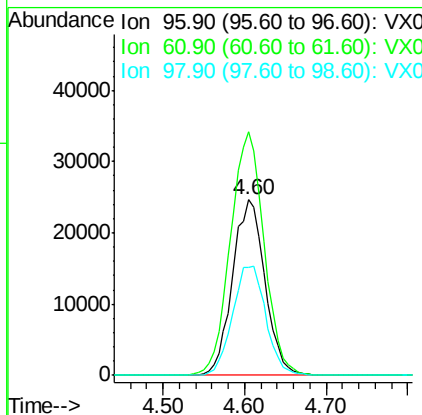
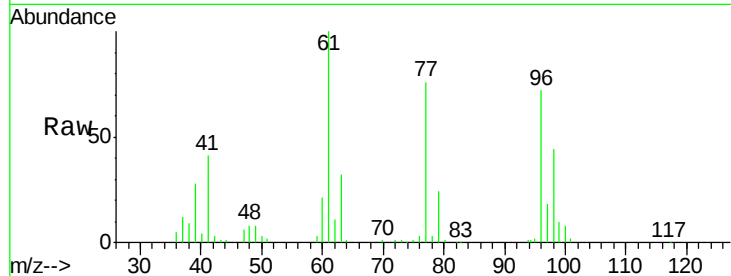
cis-1,2-Dichloroethene
Concen: 46.09 ug/l
RT: 4.60 min Scan# 659
Delta R.T. -0.01 min
Lab File: VX000160.D
Acq: 28 Feb 2018 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.3	0.0	285.6
98	63.7	0.0	131.8

Manual Integrations
APPROVED

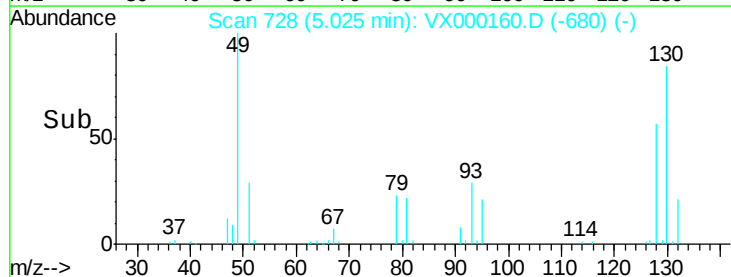
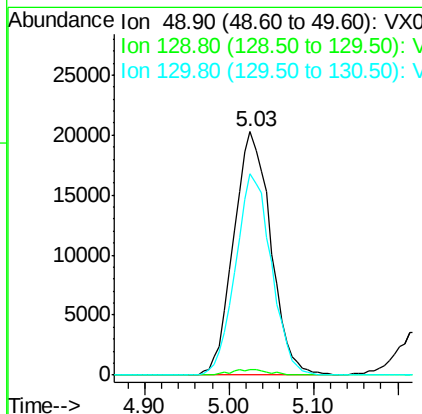
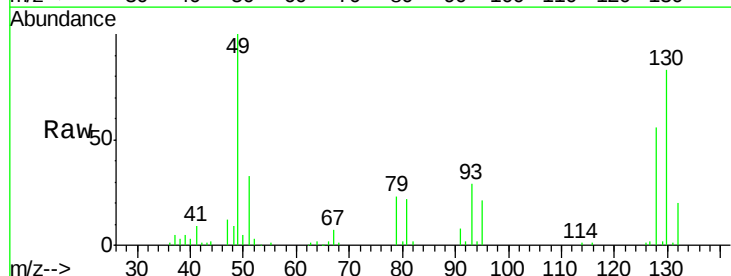
apatel
3/1/2018 12:52:52 PM

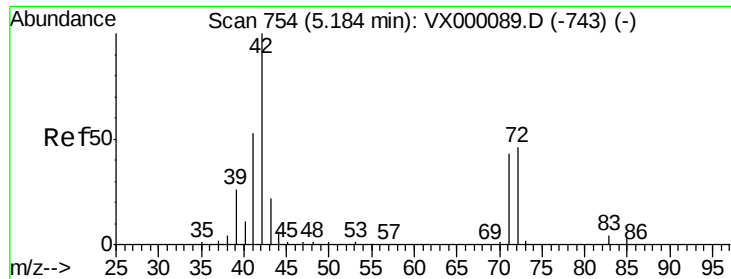


#28

Bromochloromethane
Concen: 54.59 ug/l
RT: 5.03 min Scan# 728
Delta R.T. -0.01 min
Lab File: VX000160.D
Acq: 28 Feb 2018 11:17

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	5.0
130	79.9	71.9	107.9





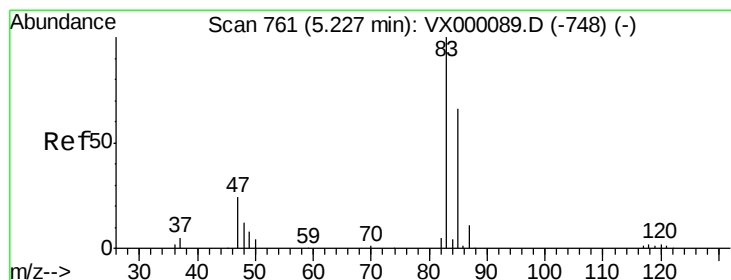
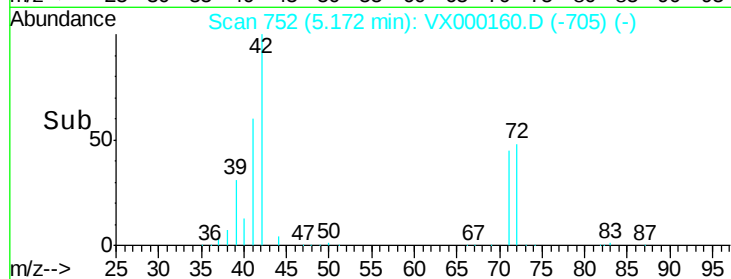
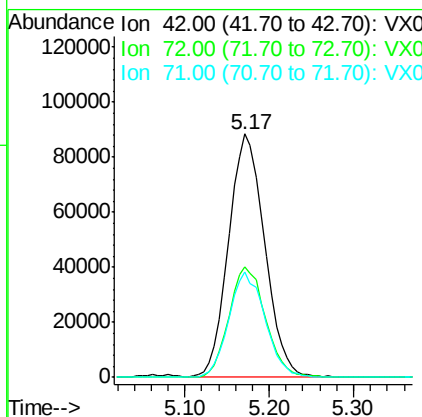
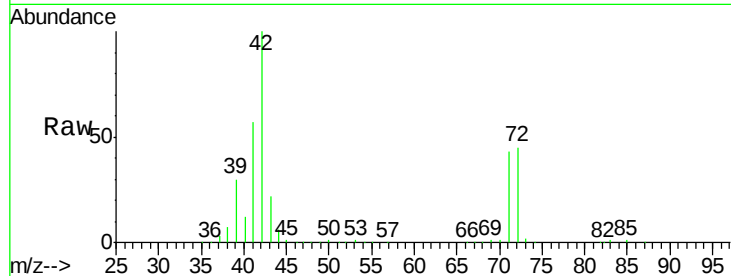
#29
Tetrahydrofuran
Concen: 256.43 ug/l
RT: 5.17 min Scan# 752
Delta R.T. -0.01 min
Lab File: VX000160.D
Acq: 28 Feb 2018 11:17

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.9	38.6	58.0
71	43.5	36.2	54.4

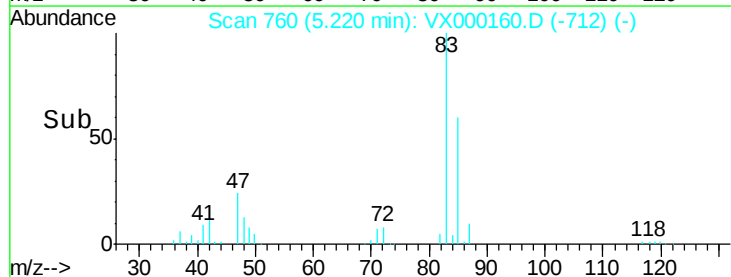
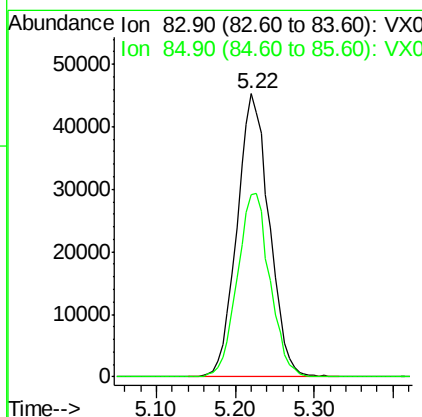
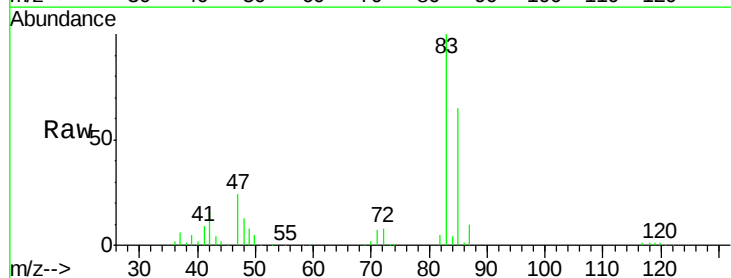
Manual Integrations
APPROVED

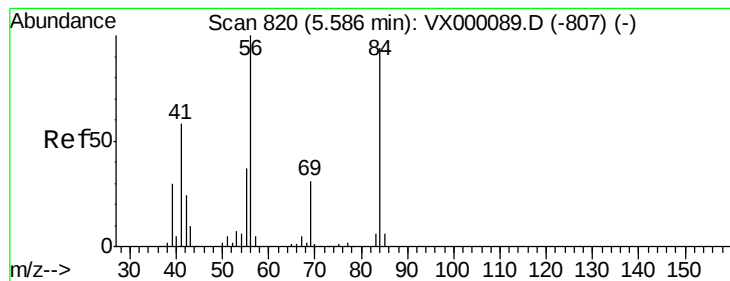
apatel
3/1/2018 12:52:52 PM



#30
Chloroform
Concen: 49.41 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.01 min
Lab File: VX000160.D
Acq: 28 Feb 2018 11:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.7	79.1





#31

Cyclohexane

Concen: 45.48 ug/l

RT: 5.59 min Scan# 820

Delta R.T. -0.00 min

Lab File: VX000160.D

Acq: 28 Feb 2018 11:17

Instrument :

MSVOA_X

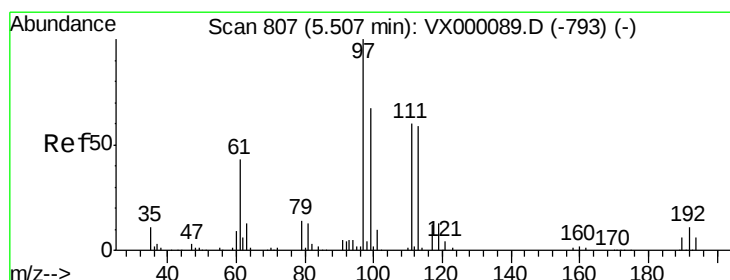
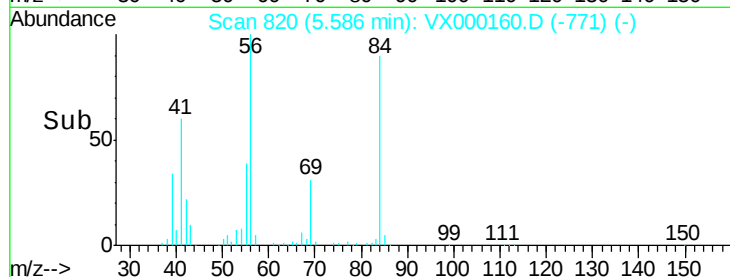
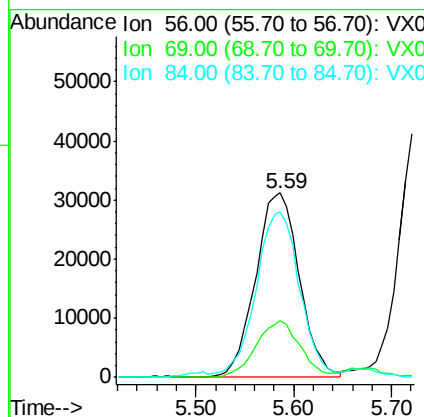
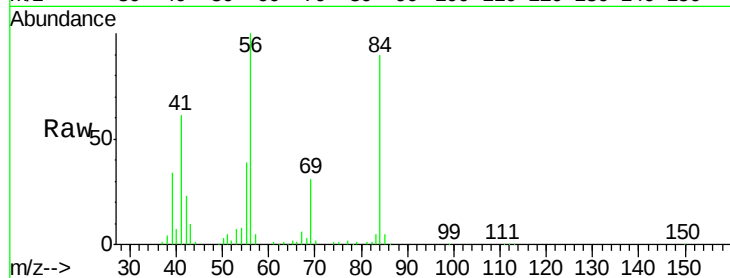
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	96719
Ion	Ratio	Lower	Upper
56	100		
69	30.9	24.9	37.3
84	87.8	75.0	112.4

Manual Integrations
APPROVED

apatel
3/1/2018 12:52:52 PM



#32

1,1,1-Trichloroethane

Concen: 47.88 ug/l

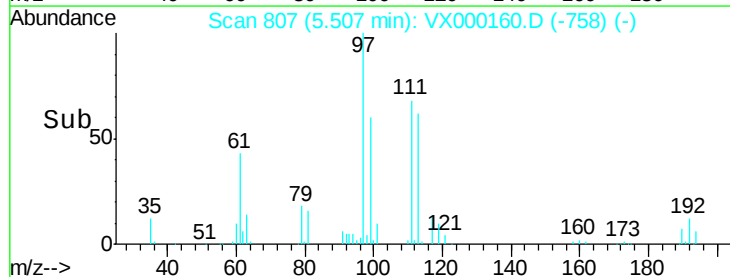
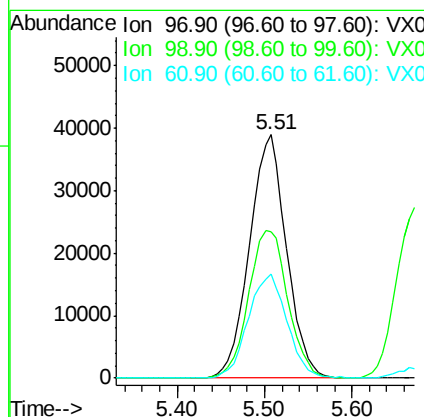
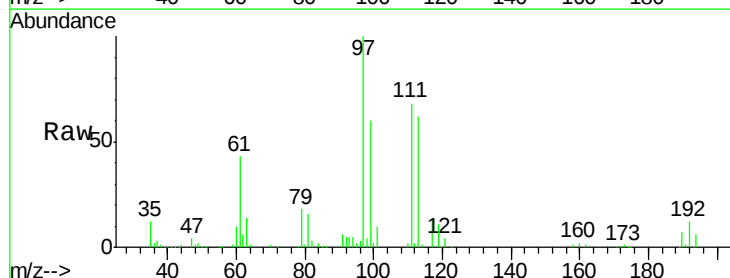
RT: 5.51 min Scan# 807

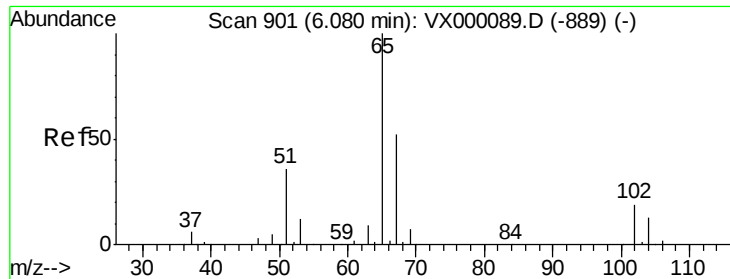
Delta R.T. -0.00 min

Lab File: VX000160.D

Acq: 28 Feb 2018 11:17

Tgt Ion:	97	Resp:	114694
Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.1	76.7
61	44.8	33.4	50.0





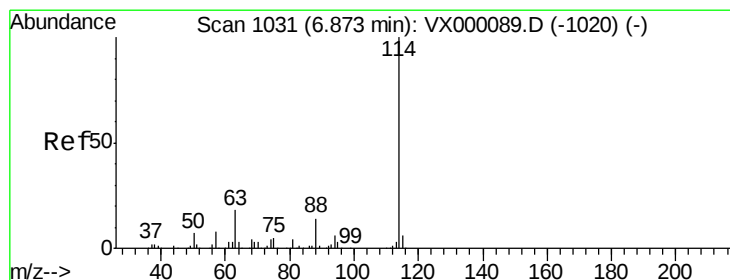
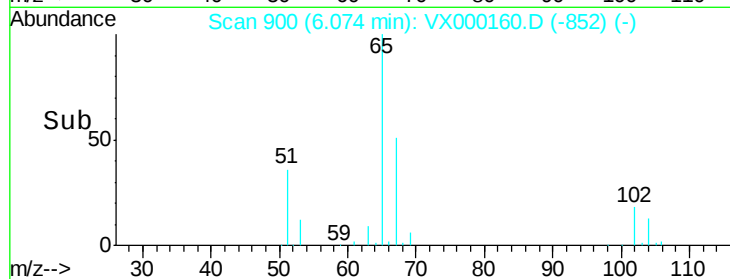
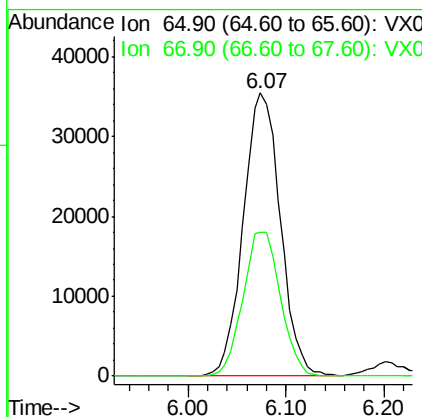
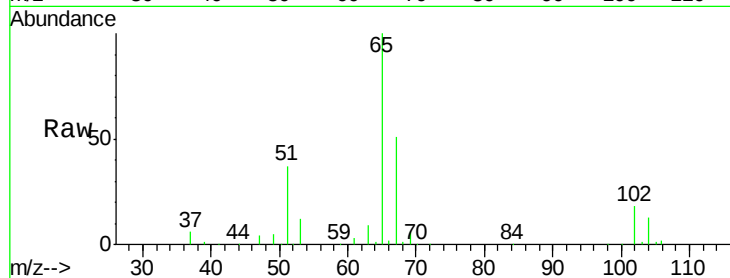
#33
 1,2-Dichloroethane-d4
 Concen: 54.99 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: VX000160.D
 Acq: 28 Feb 2018 11:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	93590		
67	51.7	0.0	104.8	

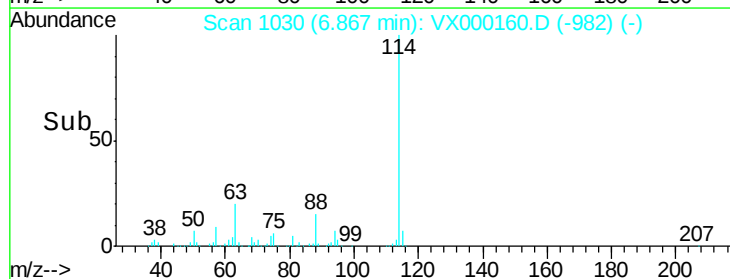
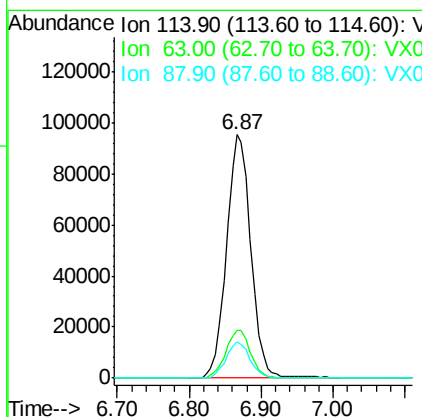
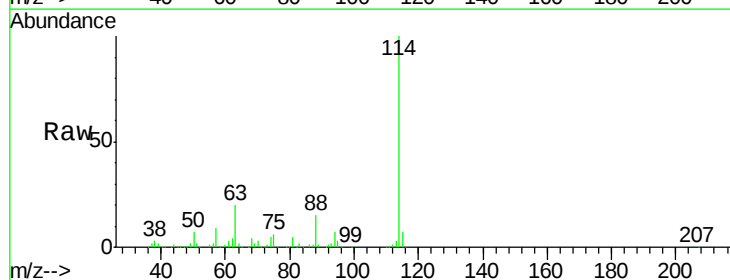
Manual Integrations
 APPROVED

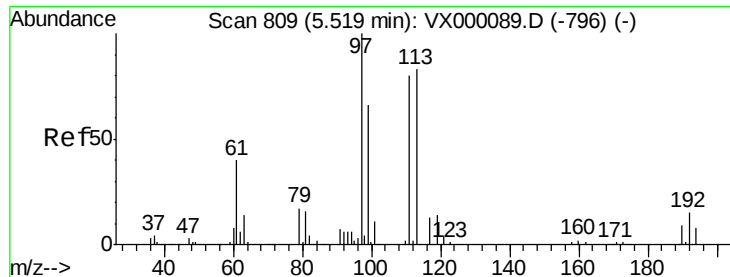
apatel
 3/1/2018 12:52:52 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.01 min
 Lab File: VX000160.D
 Acq: 28 Feb 2018 11:17

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	224296		
63	19.6	0.0	36.4	
88	14.6	0.0	29.0	





#35

Dibromofluoromethane

Concen: 51.64 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.01 min

Lab File: VX000160.D

Acq: 28 Feb 2018 11:17

Instrument :

MSVOA_X

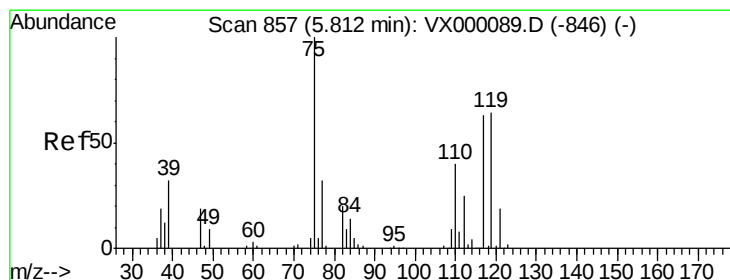
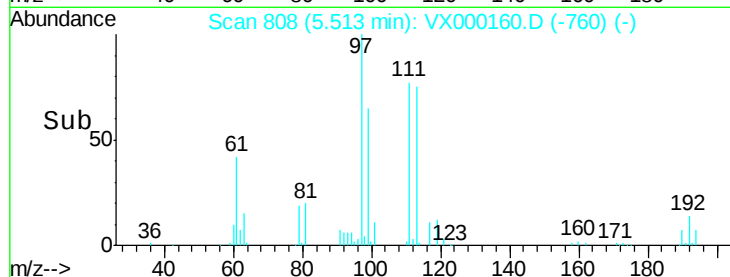
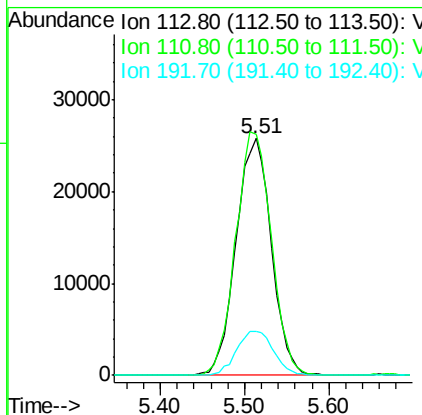
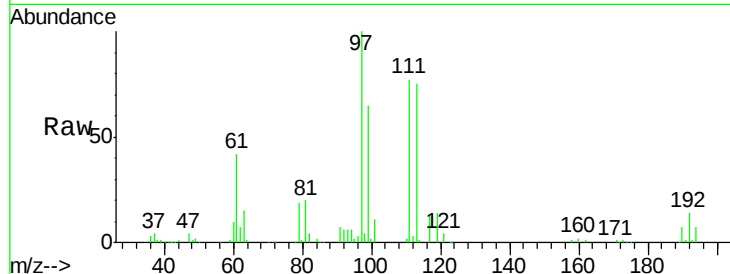
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	73105
Ion Ratio	Lower	Upper	
113	100		
111	103.5	81.0	121.6
192	19.5	15.7	23.5

Manual Integrations
APPROVED

apatel
3/1/2018 12:52:52 PM



#36

1,1-Dichloropropene

Concen: 45.83 ug/l

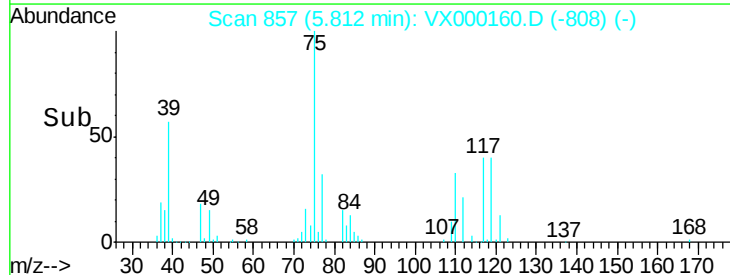
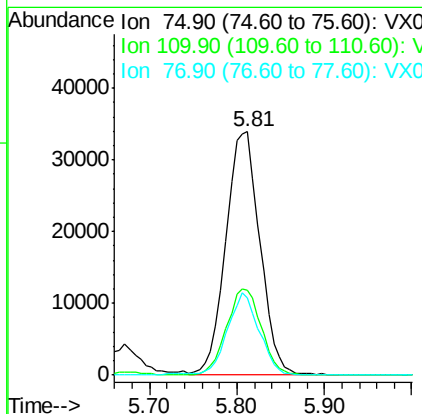
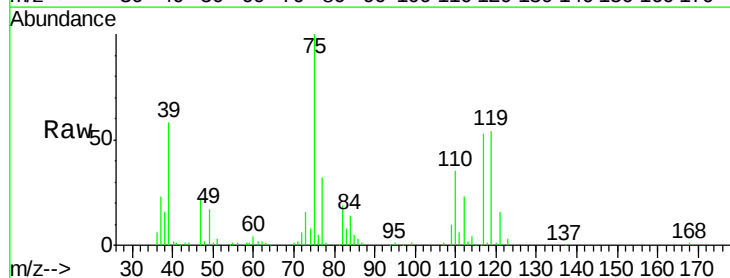
RT: 5.81 min Scan# 857

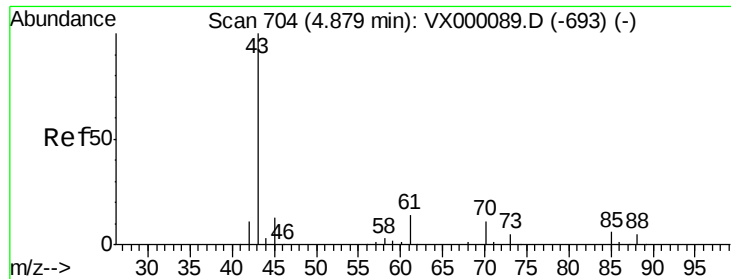
Delta R.T. -0.00 min

Lab File: VX000160.D

Acq: 28 Feb 2018 11:17

Tgt Ion:	75	Resp:	92246
Ion Ratio	Lower	Upper	
75	100		
110	35.9	19.5	58.5
77	31.0	24.7	37.1





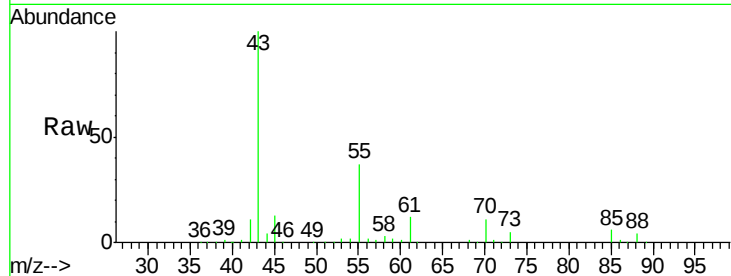
#37
Ethyl Acetate
Concen: 48.47 ug/l
RT: 4.87 min Scan# 703
Delta R.T. -0.01 min
Lab File: VX000160.D
Acq: 28 Feb 2018 11:17

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.5	17.3
70	9.6	9.0	13.4

Manual Integrations
APPROVED

apatel
3/1/2018 12:52:52 PM

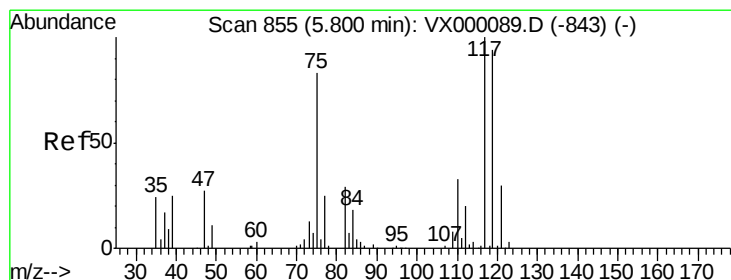
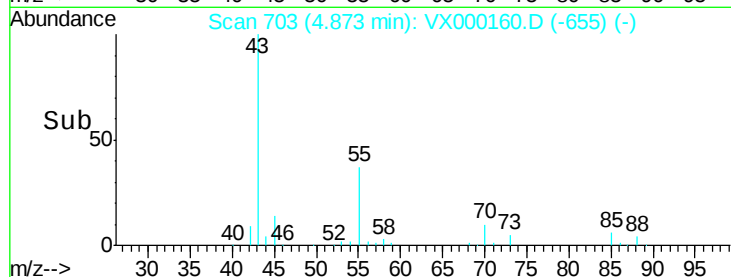
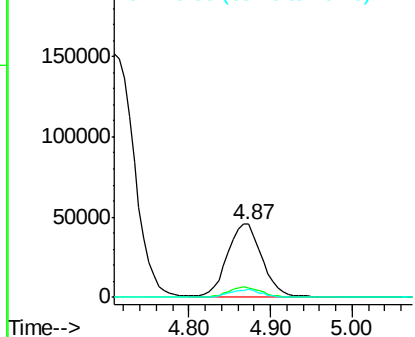


Abundance

Ion 43.00 (42.70 to 43.70): VX000089.D (-693) (-)

Ion 60.90 (60.60 to 61.60): VX000089.D (-693) (-)

Ion 70.00 (69.70 to 70.70): VX000089.D (-693) (-)



#38
Carbon Tetrachloride
Concen: 44.14 ug/l
RT: 5.79 min Scan# 854
Delta R.T. -0.01 min
Lab File: VX000160.D
Acq: 28 Feb 2018 11:17

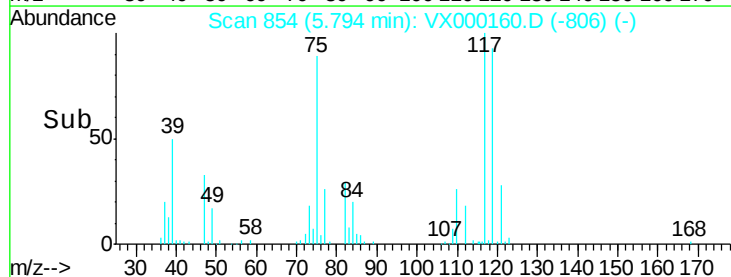
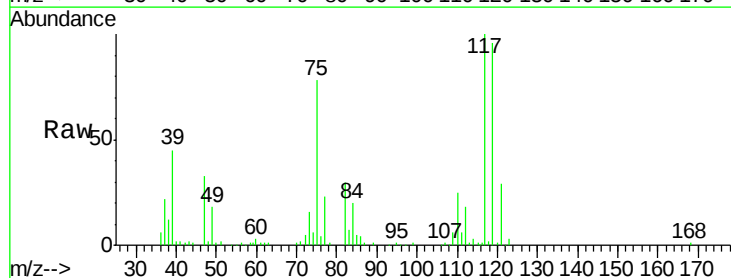
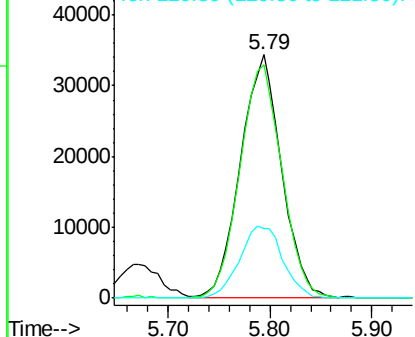
Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	75.3	112.9
121	28.8	23.7	35.5

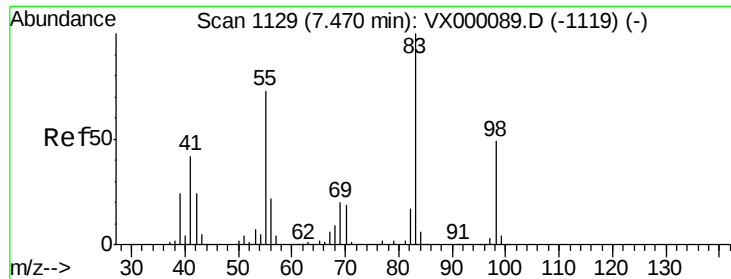
Abundance

Ion 116.80 (116.50 to 117.50): VX000089.D (-843) (-)

Ion 118.80 (118.50 to 119.50): VX000089.D (-843) (-)

Ion 120.80 (120.50 to 121.50): VX000089.D (-843) (-)





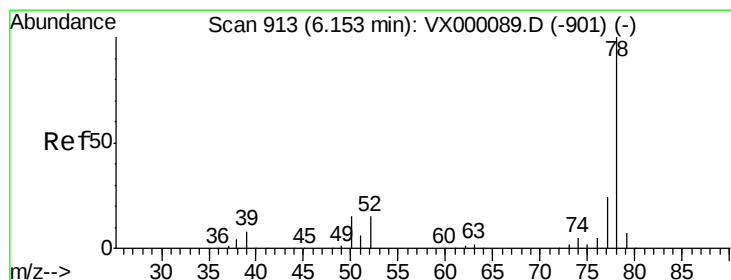
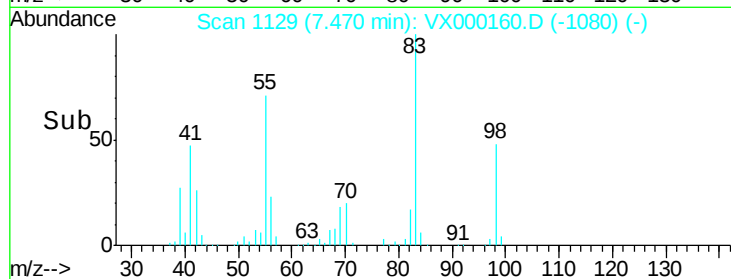
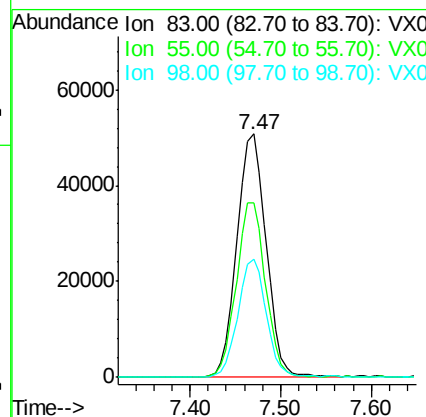
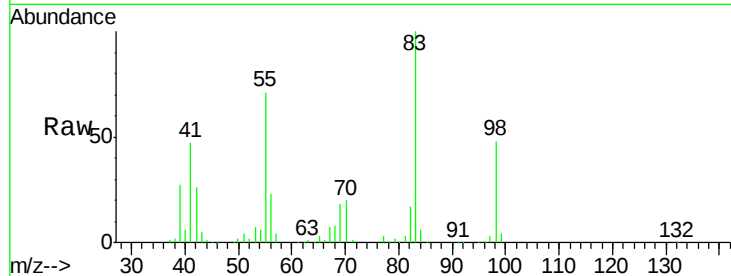
#39
Methvlcvclohexane
Concen: 47.13 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VX000160.D
Acq: 28 Feb 2018 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.4	58.2	87.2
98	48.3	39.0	58.6

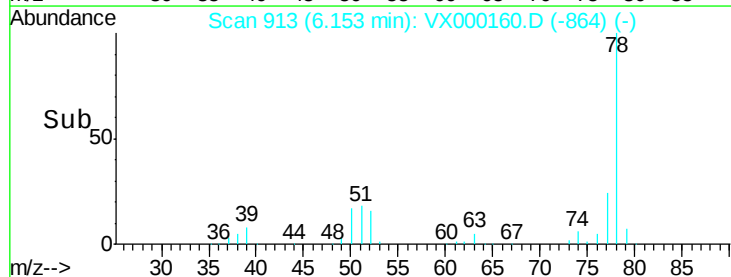
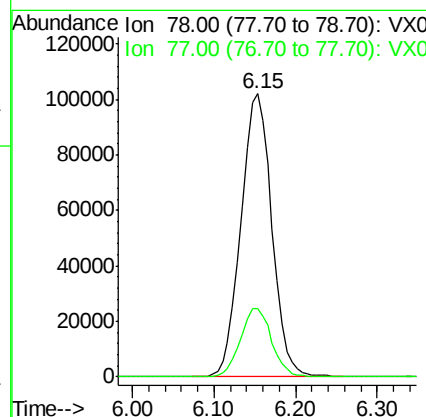
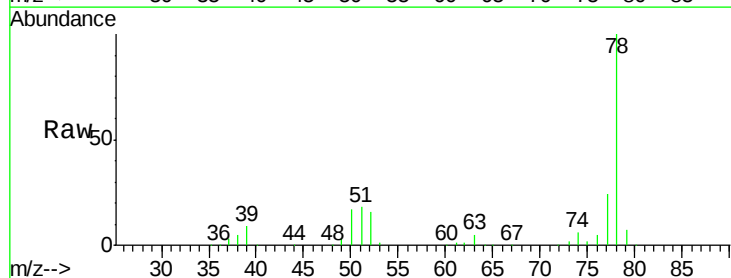
Manual Integrations
APPROVED

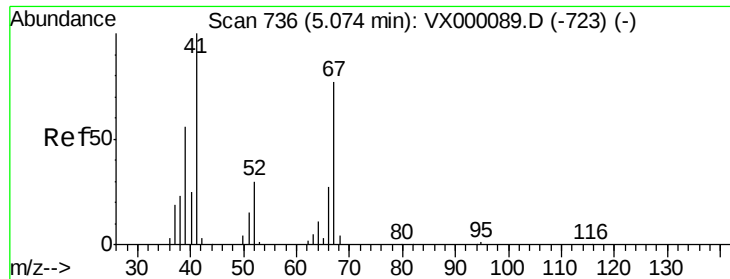
apatel
3/1/2018 12:52:52 PM



#40
Benzene
Concen: 46.55 ug/l
RT: 6.15 min Scan# 913
Delta R.T. -0.00 min
Lab File: VX000160.D
Acq: 28 Feb 2018 11:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.4	29.0





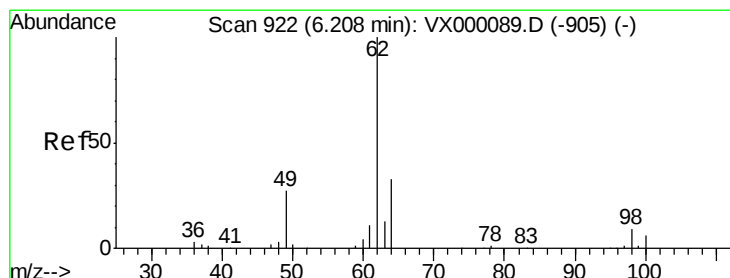
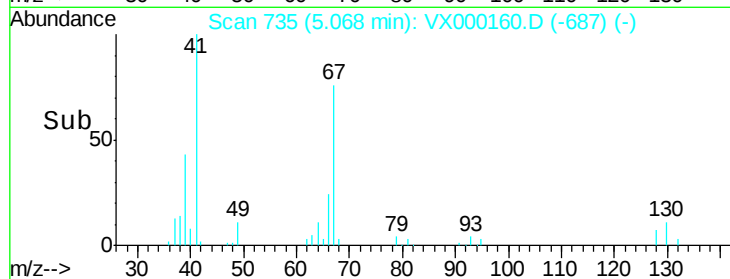
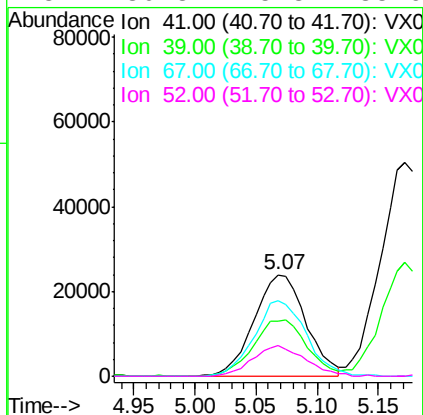
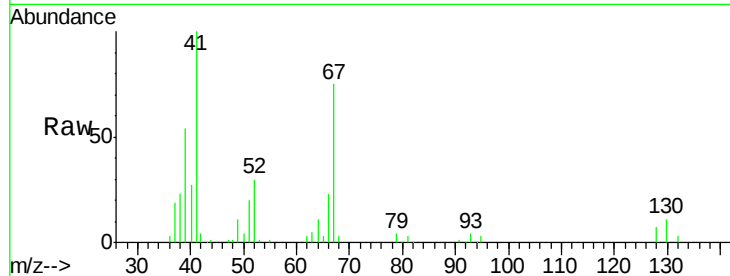
#41
Methacrylonitrile
Concen: 53.35 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.01 min
Lab File: VX000160.D
Acq: 28 Feb 2018 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.5	45.1	67.7
67	74.8	61.0	91.4
52	30.8	25.8	38.6

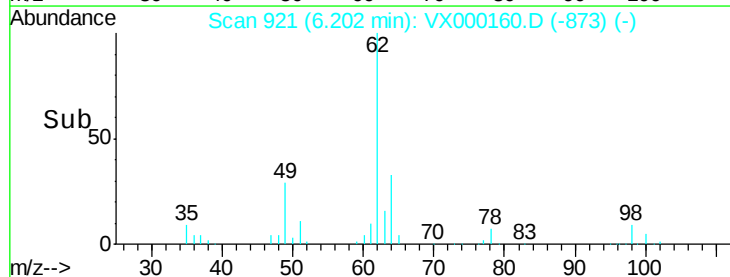
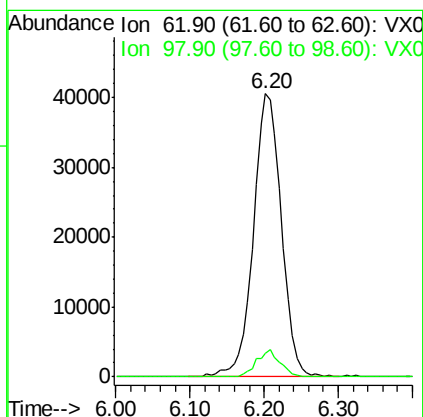
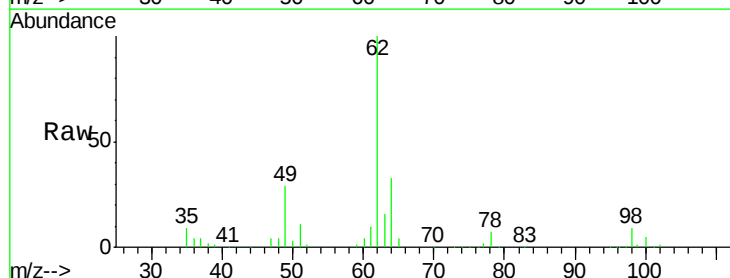
Manual Integrations
APPROVED

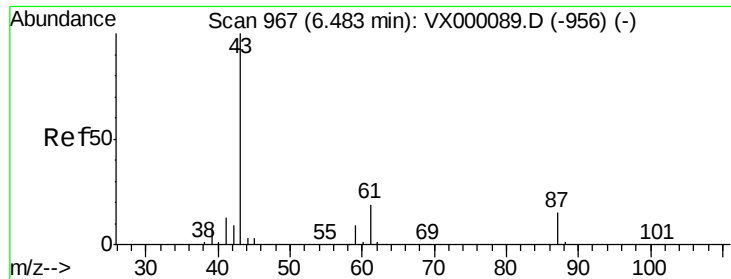
apatel
3/1/2018 12:52:52 PM



#42
1,2-Dichloroethane
Concen: 50.65 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.01 min
Lab File: VX000160.D
Acq: 28 Feb 2018 11:17

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	17.8





#43

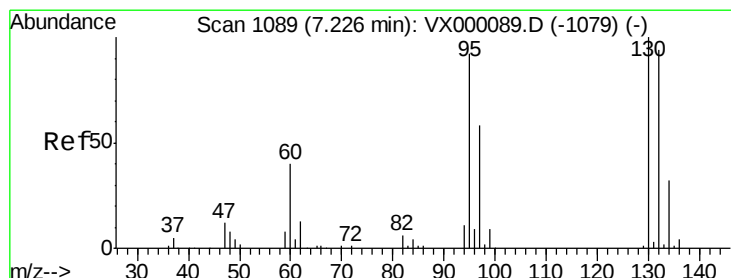
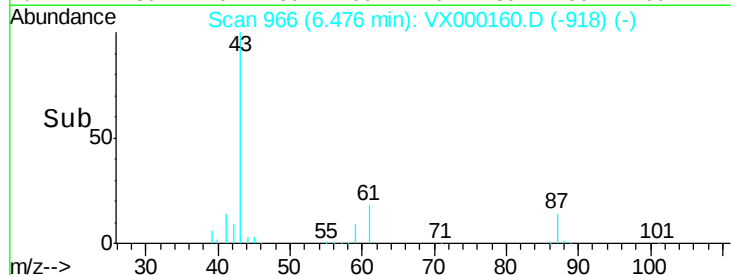
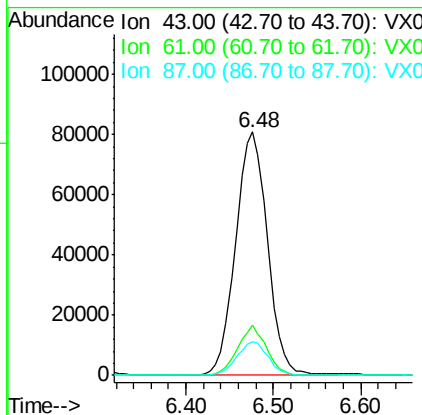
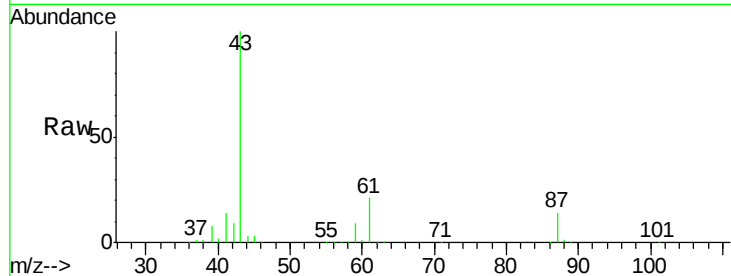
Isopropyl Acetate
 Concen: 51.27 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. -0.01 min
 Lab File: VX000160.D
 Acq: 28 Feb 2018 11:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.7	15.6	23.4
87	13.6	11.7	17.5

Manual Integrations
 APPROVED

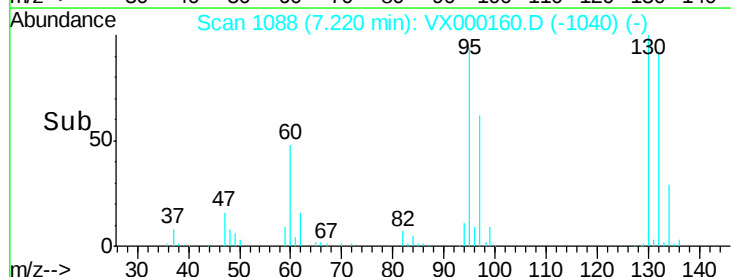
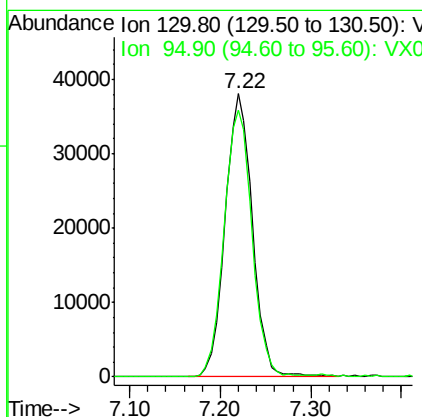
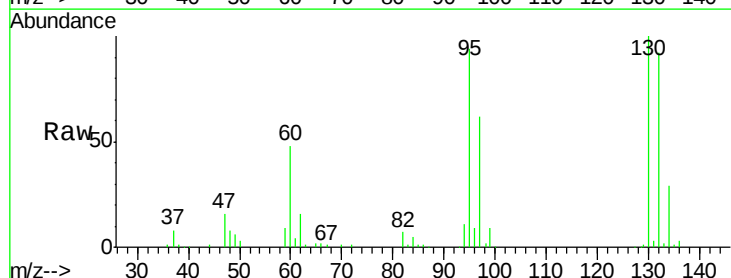
apatel
 3/1/2018 12:52:52 PM

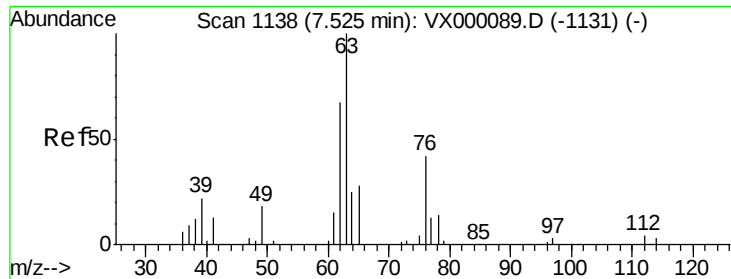


#44

Trichloroethene
 Concen: 46.85 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.01 min
 Lab File: VX000160.D
 Acq: 28 Feb 2018 11:17

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.4	0.0	183.4





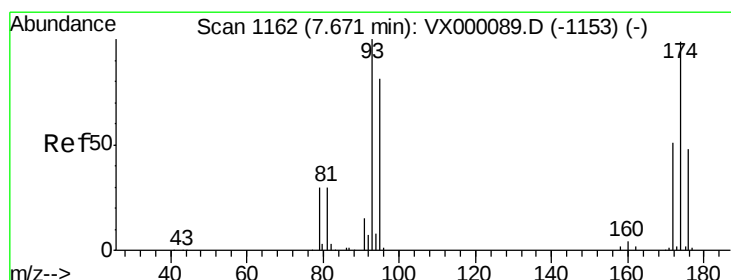
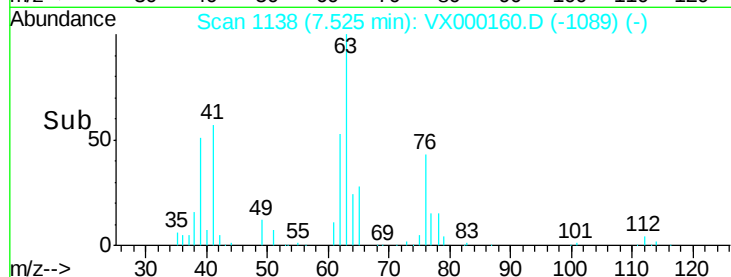
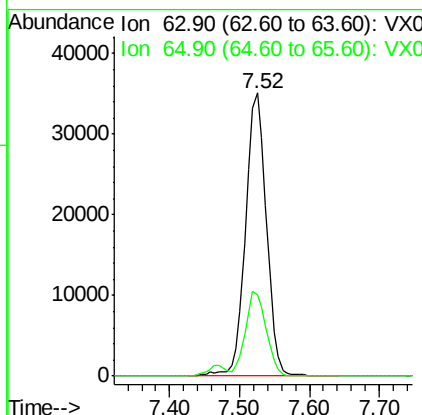
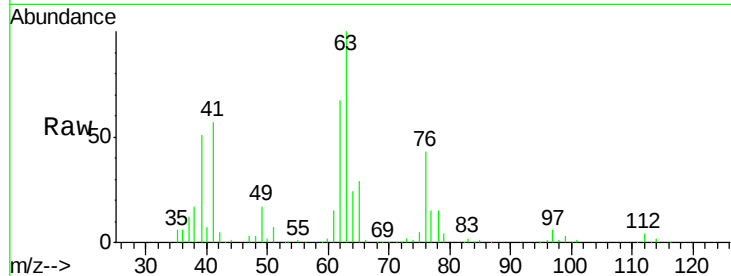
#45
 1,2-Dichloropropane
 Concen: 51.78 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VX000160.D
 Acq: 28 Feb 2018 11:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 72977
 Ion Ratio Lower Upper
 63 100
 65 28.8 23.8 35.8

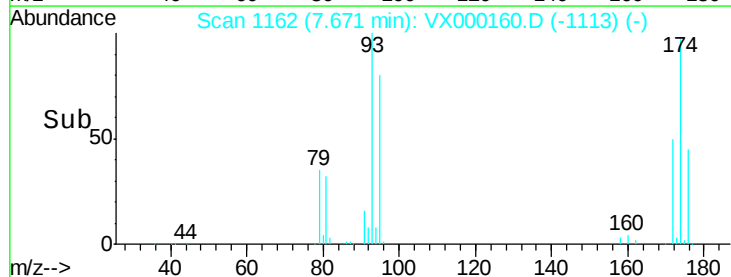
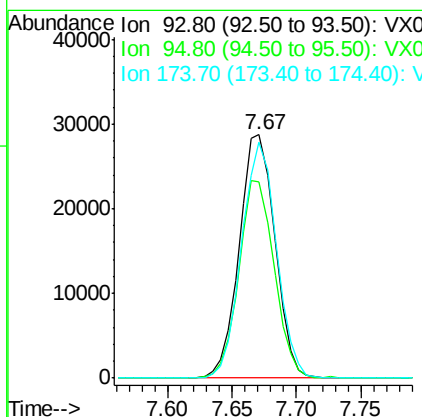
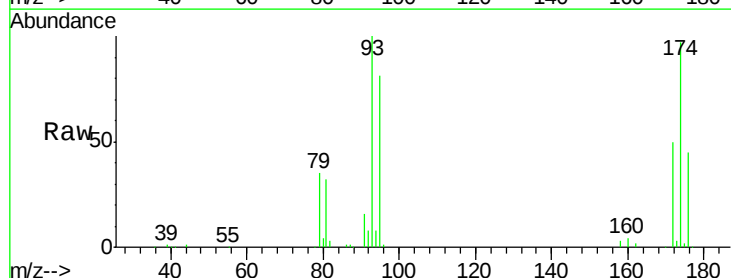
Manual Integrations
 APPROVED

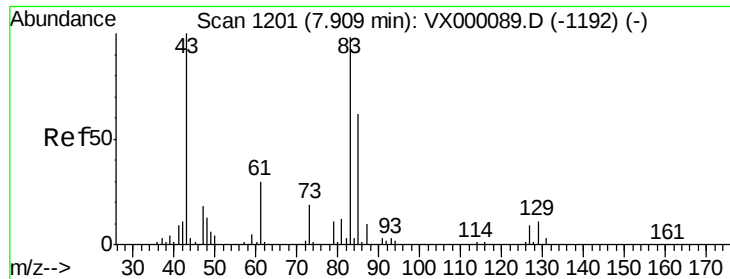
apatel
 3/1/2018 12:52:52 PM



#46
 Dibromomethane
 Concen: 50.28 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. -0.00 min
 Lab File: VX000160.D
 Acq: 28 Feb 2018 11:17

Tgt Ion: 93 Resp: 55296
 Ion Ratio Lower Upper
 93 100
 95 80.5 65.0 97.6
 174 94.4 83.1 124.7





#47

Bromodichloromethane

Concen: 52.05 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VX000160.D

Acq: 28 Feb 2018 11:17

Instrument :

MSVOA_X

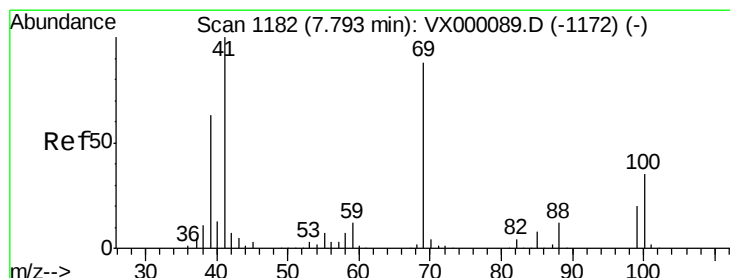
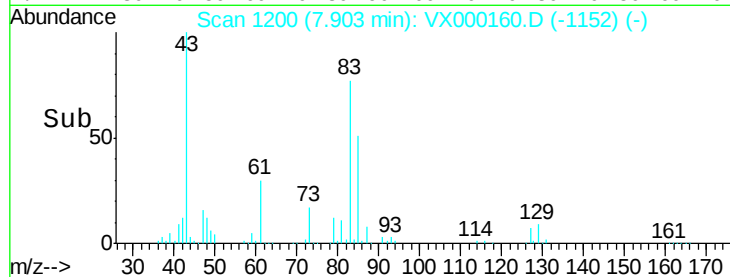
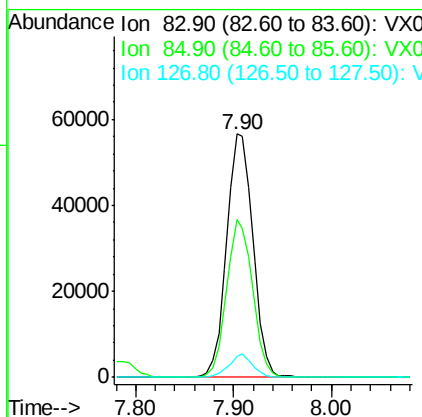
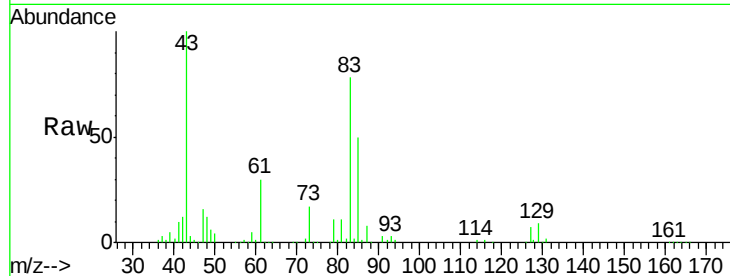
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	105741
Ion Ratio	Lower	Upper	
83	100		
85	65.0	50.4	75.6
127	8.8	7.2	10.8

Manual Integrations
APPROVED

apatel
3/1/2018 12:52:52 PM



#48

Methyl methacrylate

Concen: 51.15 ug/l

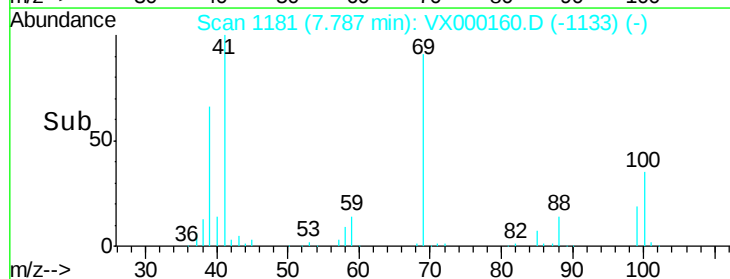
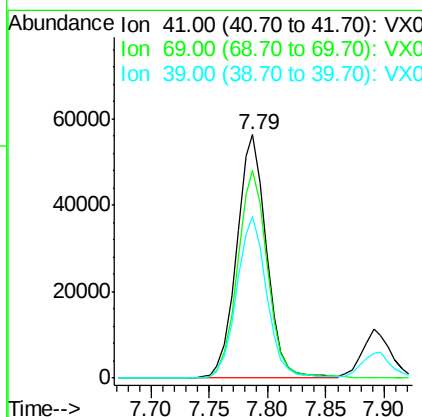
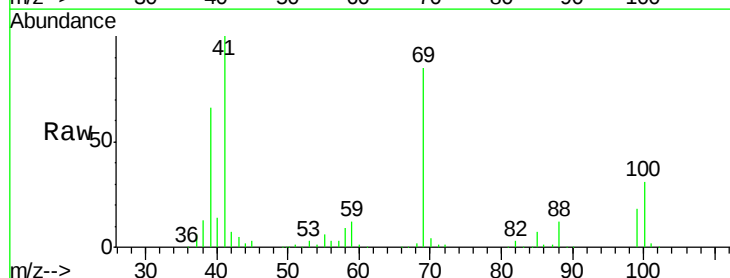
RT: 7.79 min Scan# 1181

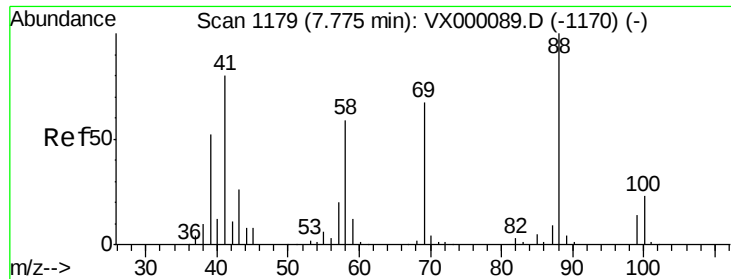
Delta R.T. -0.01 min

Lab File: VX000160.D

Acq: 28 Feb 2018 11:17

Tgt Ion:	41	Resp:	99989
Ion Ratio	Lower	Upper	
41	100		
69	86.1	70.2	105.4
39	67.7	51.0	76.6





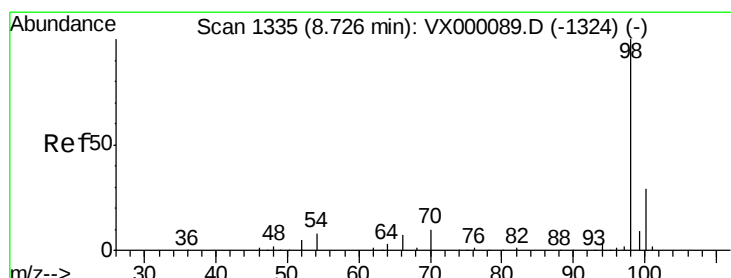
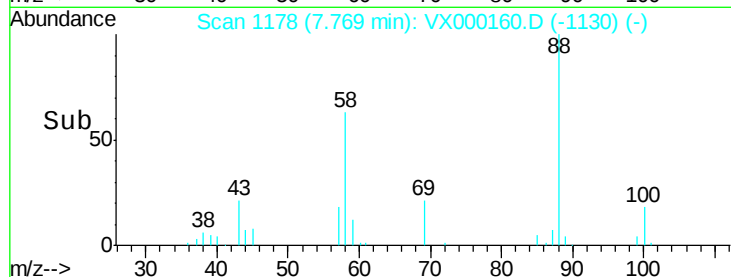
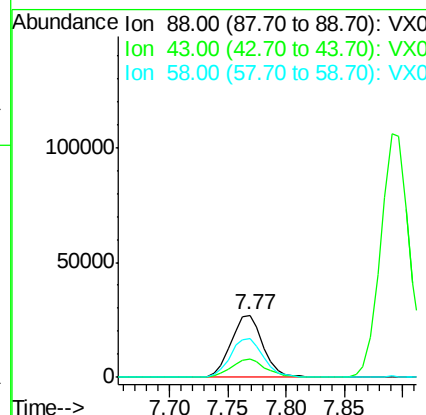
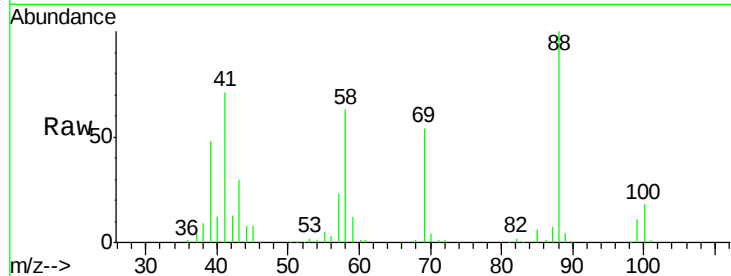
#49
1,4-Dioxane
Concen: 1008.04 ug/l
RT: 7.77 min Scan# 1178
Delta R.T. -0.01 min
Lab File: VX000160.D
Acq: 28 Feb 2018 11:17

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.7	24.1	36.1
58	64.5	49.0	73.6

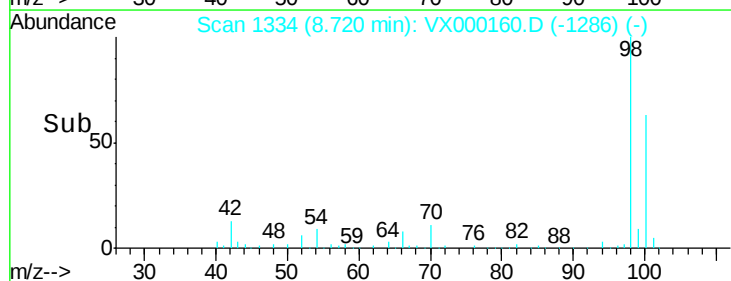
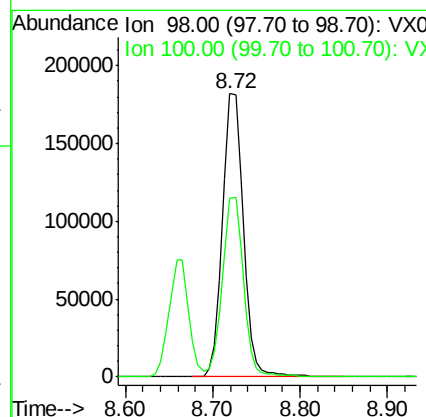
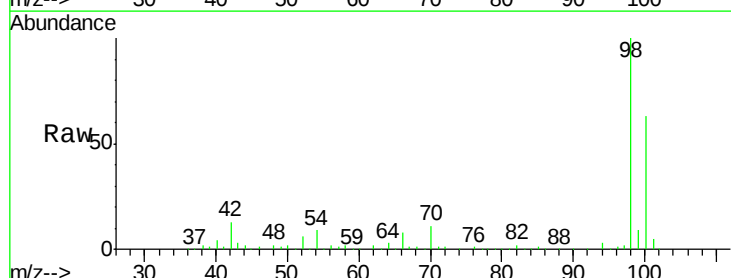
Manual Integrations
APPROVED

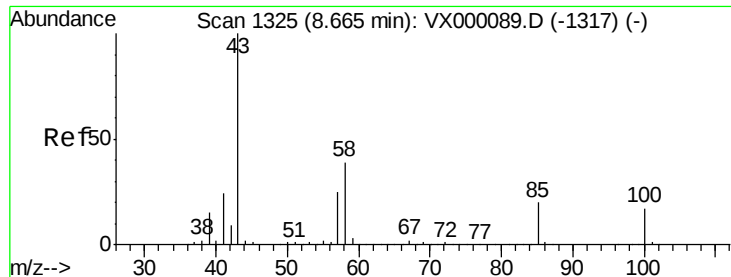
apatel
3/1/2018 12:52:52 PM



#50
Toluene-d8
Concen: 53.91 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.01 min
Lab File: VX000160.D
Acq: 28 Feb 2018 11:17

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 274.96 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.01 min

Lab File: VX000160.D

Acq: 28 Feb 2018 11:17

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 801498

Ion Ratio Lower Upper

43 100

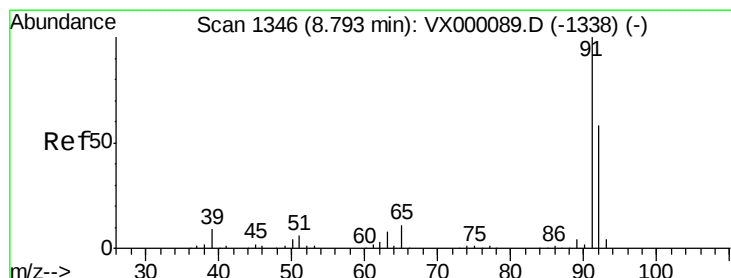
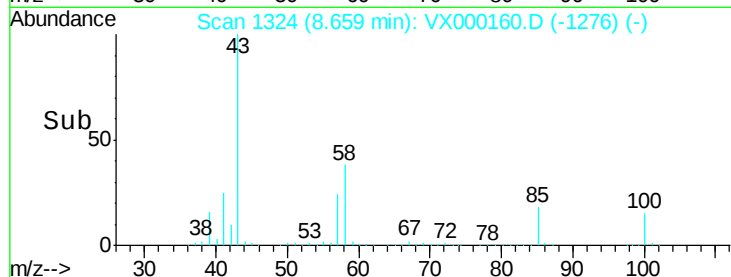
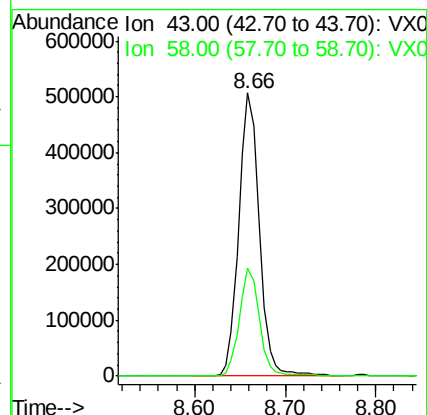
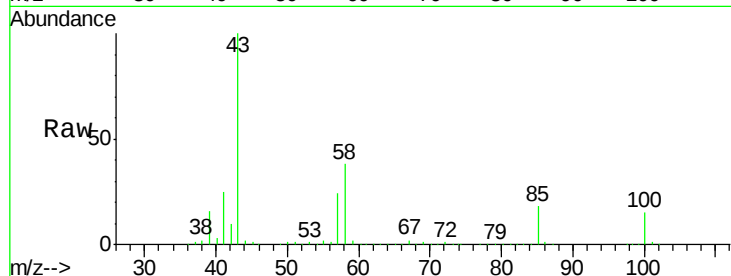
58 37.9 31.6 47.4

Manual Integrations

APPROVED

apatel

3/1/2018 12:52:52 PM



#52

Toluene

Concen: 50.07 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX000160.D

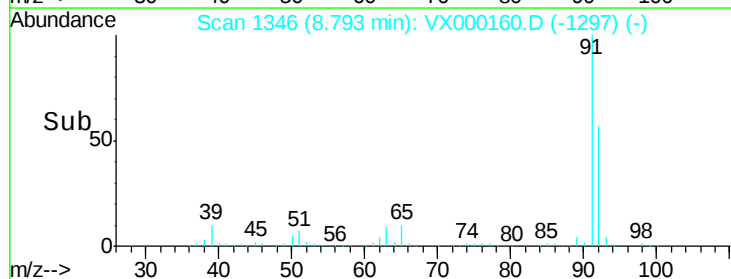
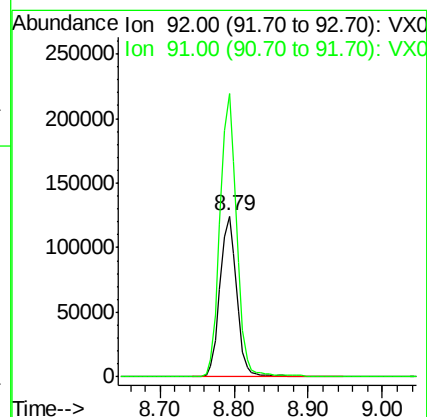
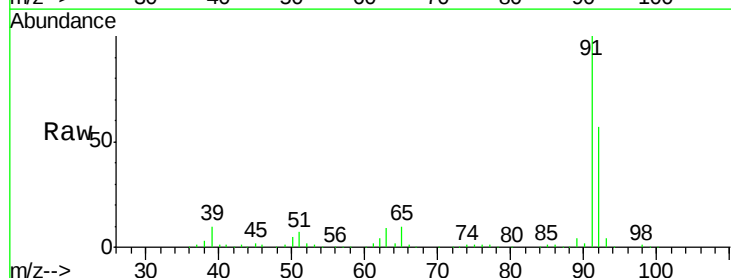
Acq: 28 Feb 2018 11:17

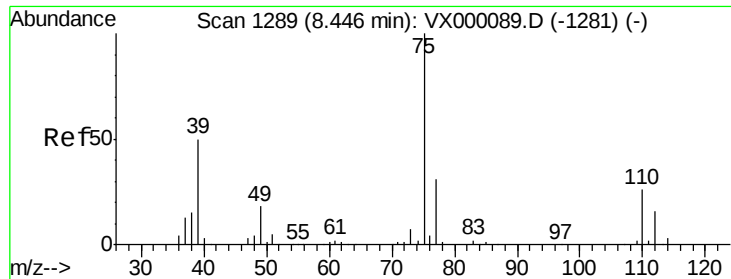
Tgt Ion: 92 Resp: 192365

Ion Ratio Lower Upper

92 100

91 175.7 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 50.30 ug/l

RT: 8.45 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VX000160.D

Acq: 28 Feb 2018 11:17

Tot Ion: 75 Resp: 120158

Ion Ratio Lower Upper

75 100

77 32.9 25.0 37.6

Instrument :

MSVOA_X

ClientSampleId :

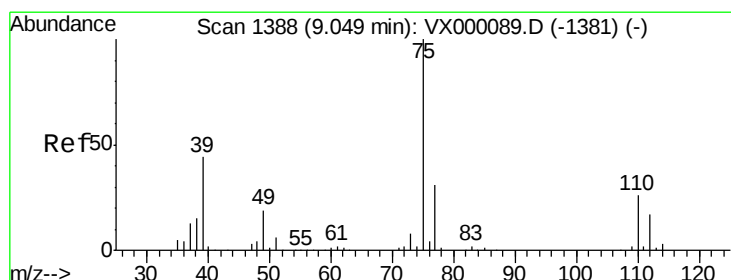
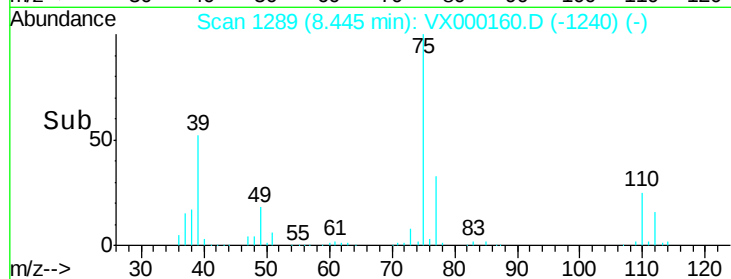
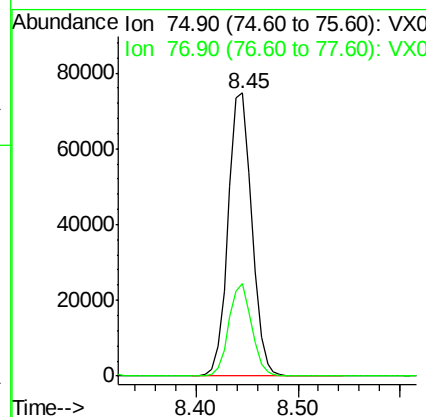
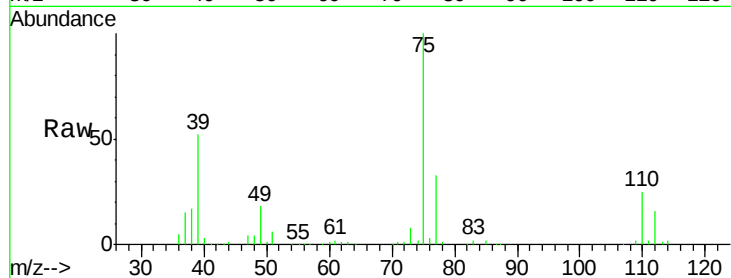
VSTDCCC050

Manual Integrations

APPROVED

apatel

3/1/2018 12:52:52 PM



#54

cis-1,3-Dichloropropene

Concen: 52.46 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VX000160.D

Acq: 28 Feb 2018 11:17

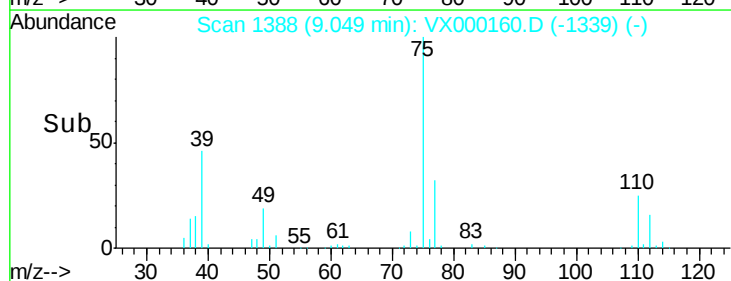
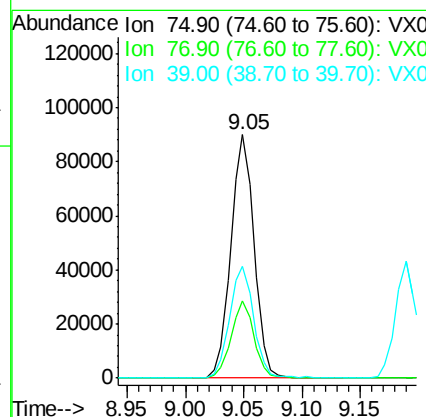
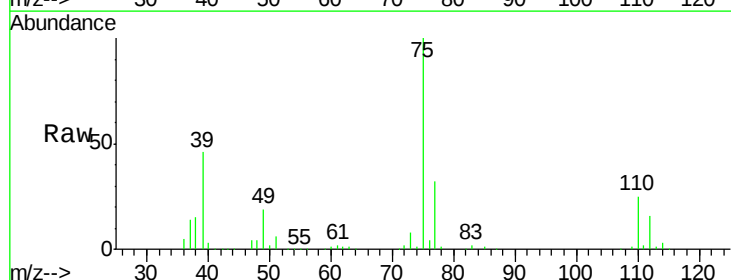
Tgt Ion: 75 Resp: 124433

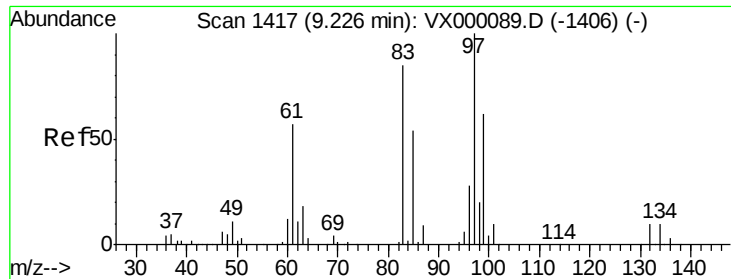
Ion Ratio Lower Upper

75 100

77 31.8 25.0 37.6

39 45.9 35.4 53.0





#55

1,1,2-Trichloroethane

Concen: 50.89 ug/l

RT: 9.22 min Scan# 1416

Delta R.T. -0.01 min

Lab File: VX000160.D

Acq: 28 Feb 2018 11:17

Instrument :

MSVOA_X

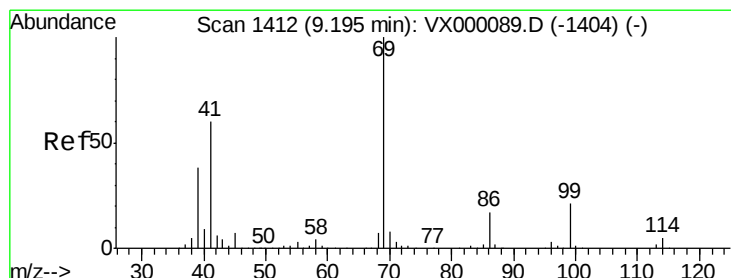
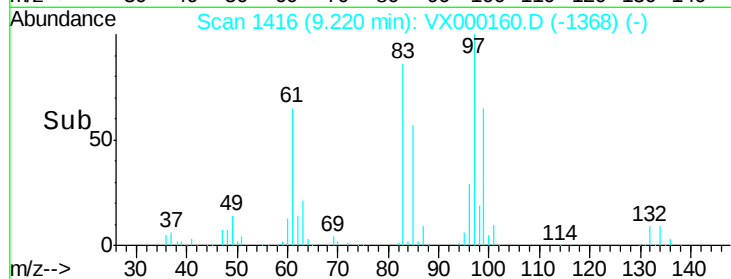
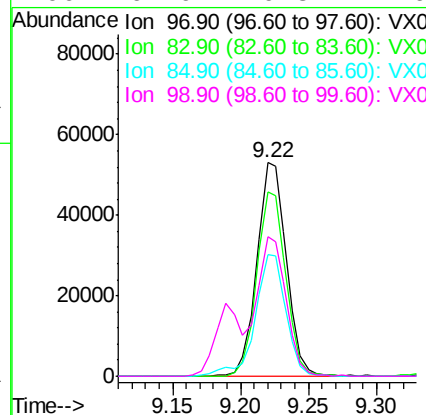
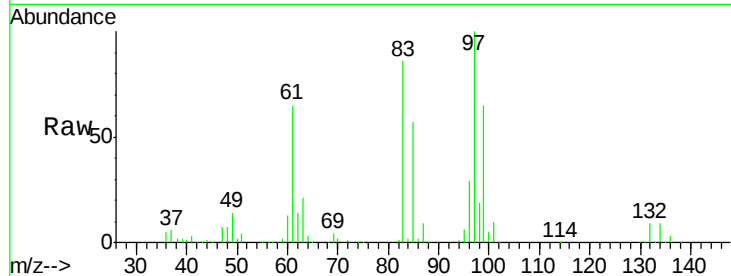
ClientSampled :

VSTDCCC050

Tot Ion:	97	Resp:	80854
Ion	Ratio	Lower	Upper
97	100		
83	86.2	67.6	101.4
85	56.6	42.9	64.3
99	64.9	49.8	74.6

Manual Integrations
APPROVED

apatel
3/1/2018 12:52:52 PM



#56

Ethyl methacrylate

Concen: 52.35 ug/l

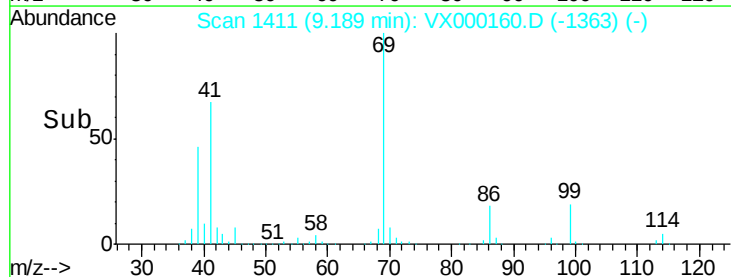
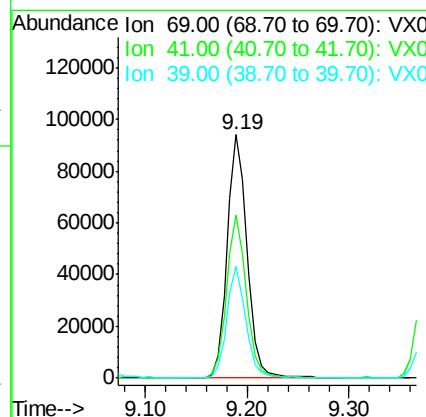
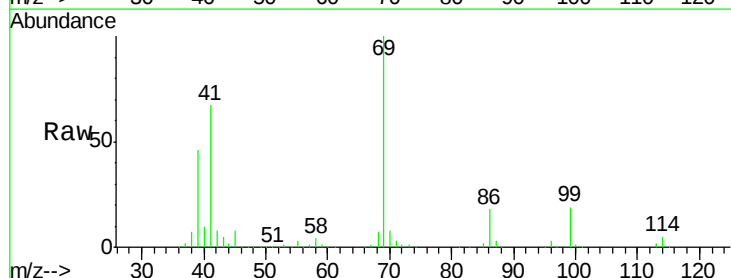
RT: 9.19 min Scan# 1411

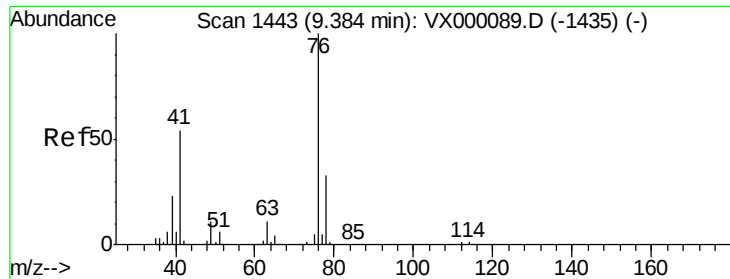
Delta R.T. -0.01 min

Lab File: VX000160.D

Acq: 28 Feb 2018 11:17

Tgt Ion:	69	Resp:	127632
Ion	Ratio	Lower	Upper
69	100		
41	66.9	49.4	74.0
39	44.1	31.3	46.9





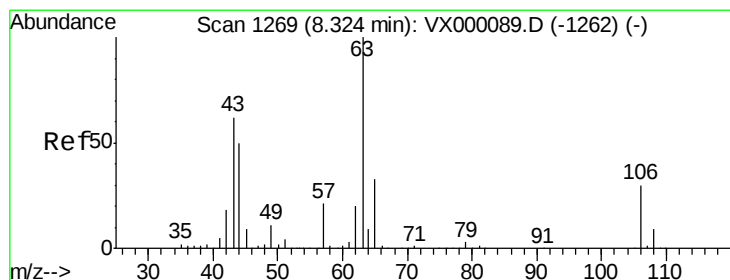
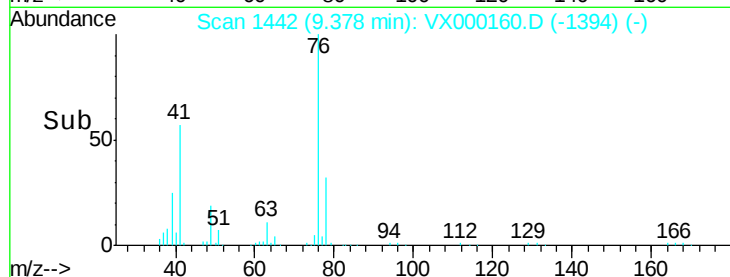
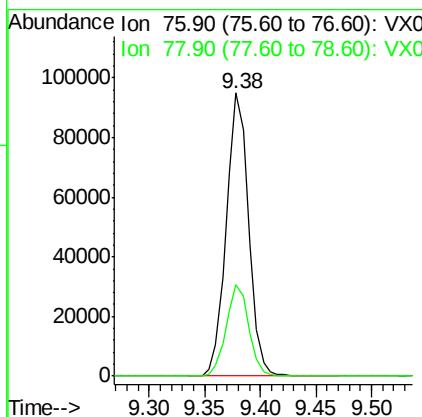
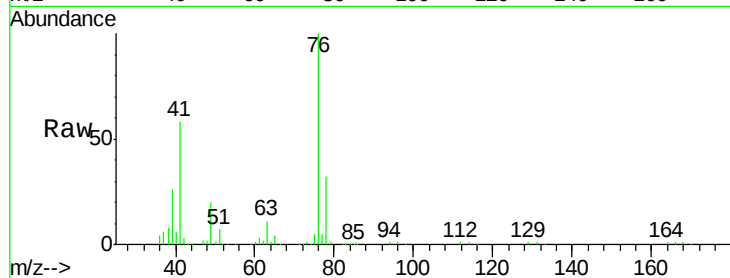
#57
 1,3-Dichloropropane
 Concen: 52.23 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: VX000160.D
 Acq: 28 Feb 2018 11:17

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.8	38.8

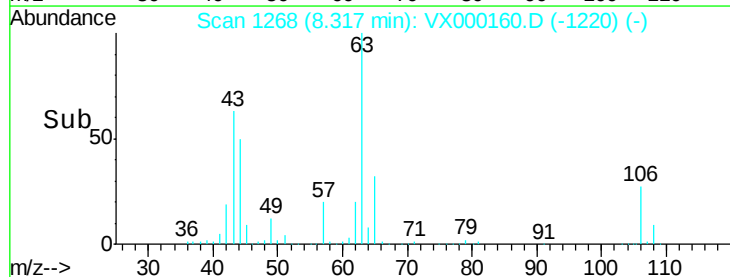
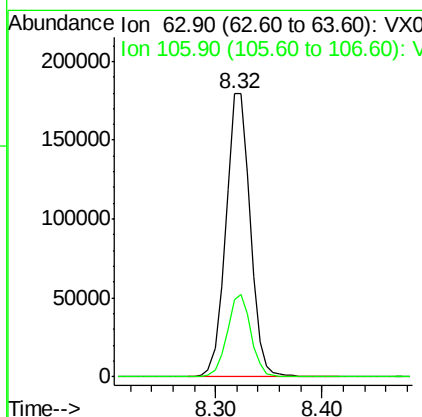
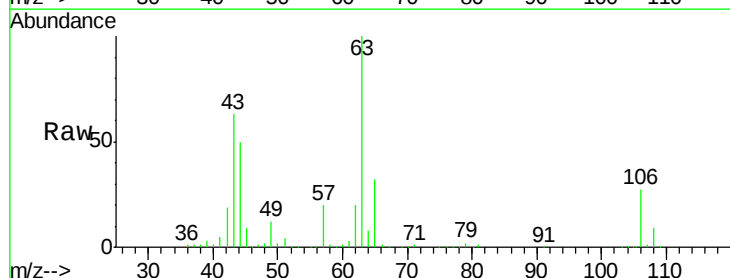
Manual Integrations
 APPROVED

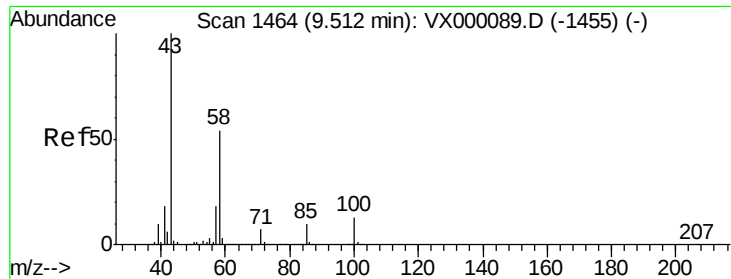
apatel
 3/1/2018 12:52:52 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 233.79 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VX000160.D
 Acq: 28 Feb 2018 11:17

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.4	24.6	37.0





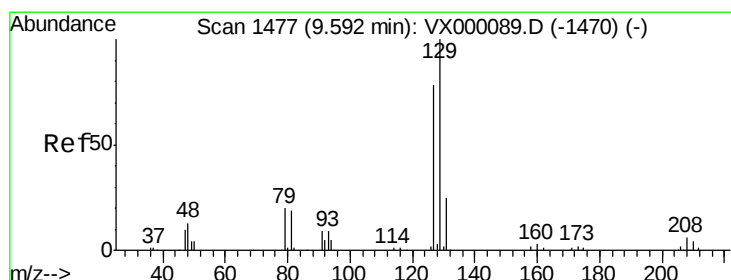
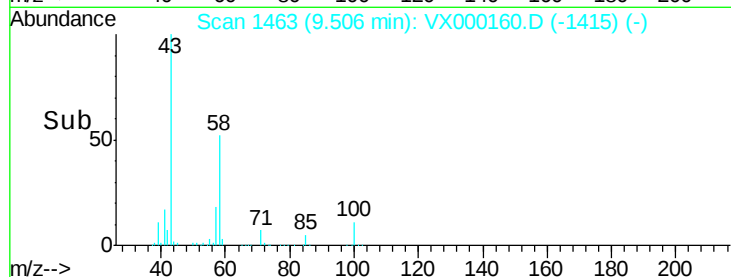
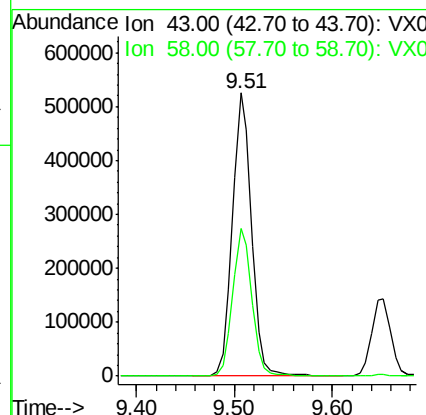
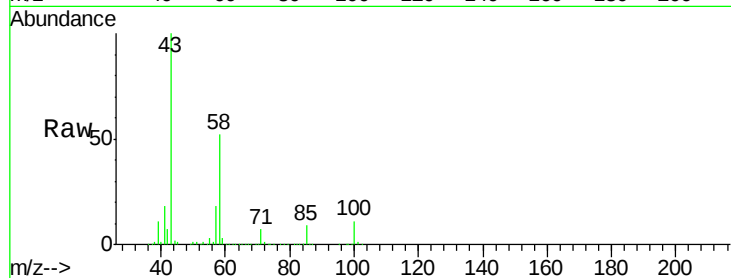
#59
2-Hexanone
Concen: 288.63 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. -0.01 min
Lab File: VX000160.D
Acq: 28 Feb 2018 11:17

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	43	Resp	712333
Ion Ratio	100	Lower	Upper
43	100		
58	52.5	27.1	81.3

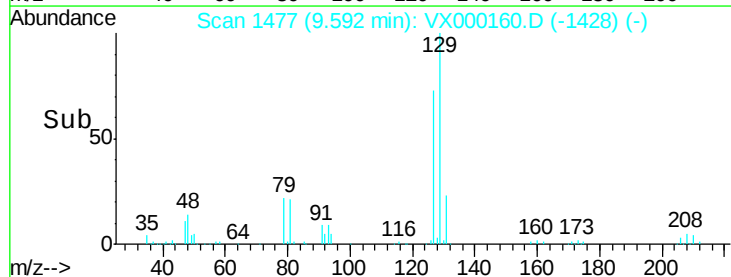
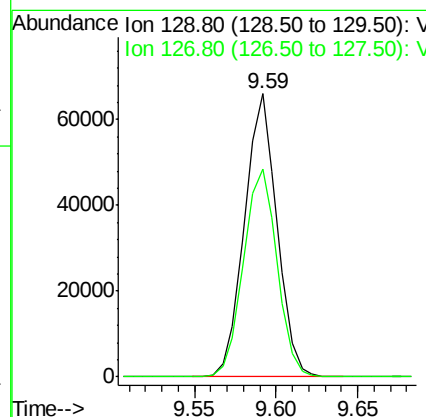
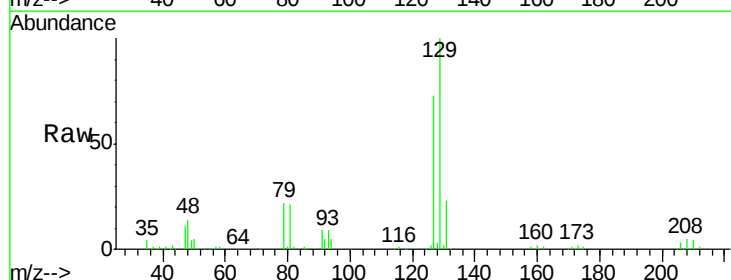
Manual Integrations
APPROVED

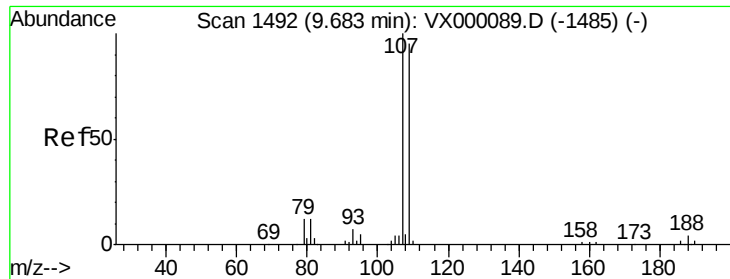
apatel
3/1/2018 12:52:52 PM



#60
Dibromochloromethane
Concen: 51.02 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. -0.00 min
Lab File: VX000160.D
Acq: 28 Feb 2018 11:17

Tgt Ion	129	Resp	91811
Ion Ratio	100	Lower	Upper
129	100		
127	76.0	37.6	112.9





#61

1,2-Dibromoethane

Concen: 51.29 ug/l

RT: 9.68 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX000160.D

Acq: 28 Feb 2018 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 90431

Ion Ratio Lower Upper

107 100

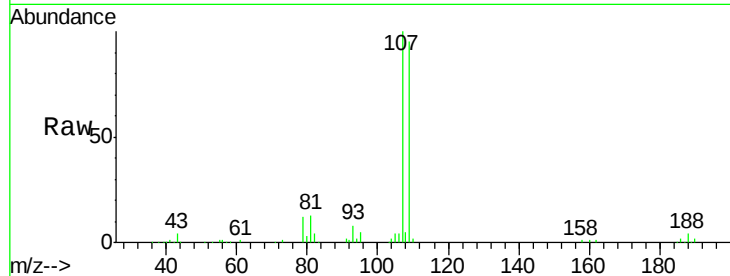
109 93.0 76.4 114.6

Manual Integrations

APPROVED

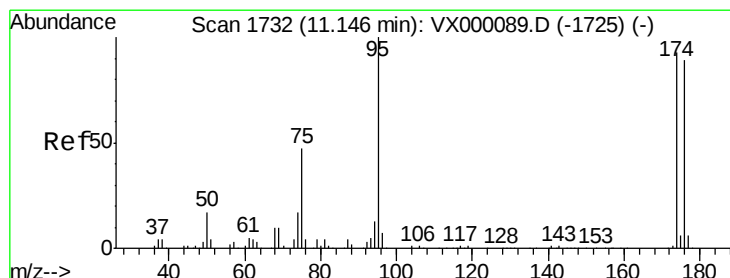
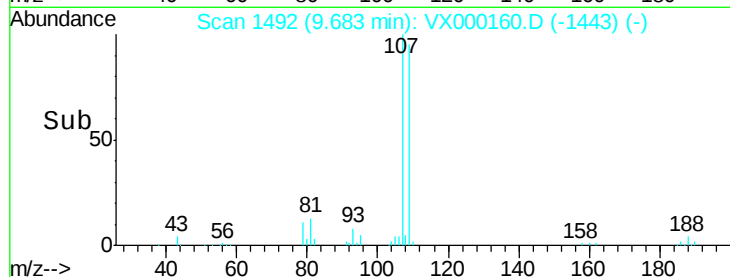
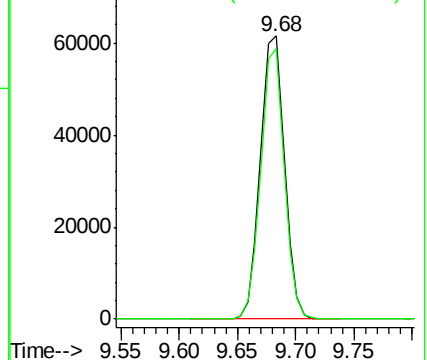
apatel

3/1/2018 12:52:52 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 56.13 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000160.D

Acq: 28 Feb 2018 11:17

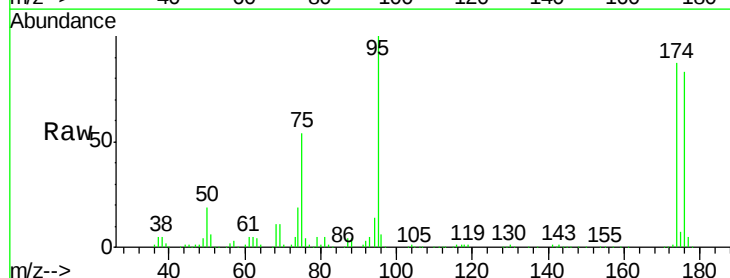
Tgt Ion: 95 Resp: 122899

Ion Ratio Lower Upper

95 100

174 83.6 0.0 187.8

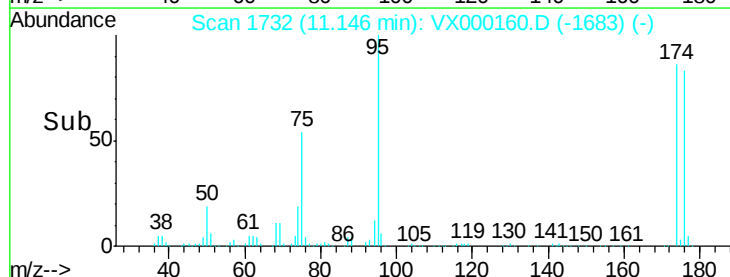
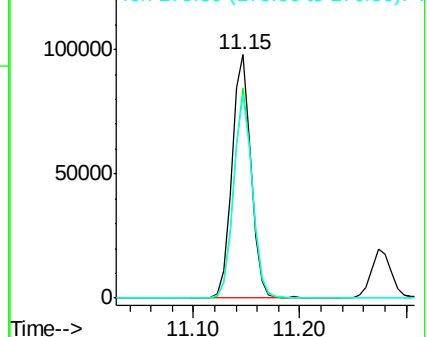
176 82.5 0.0 181.2

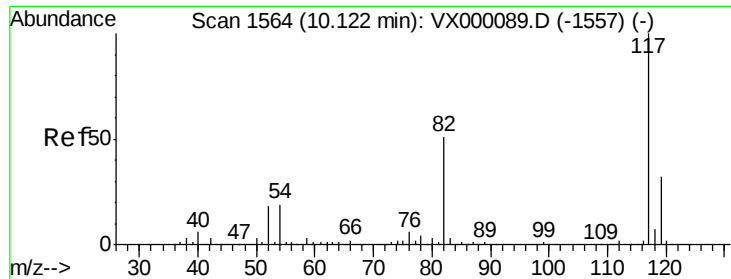


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





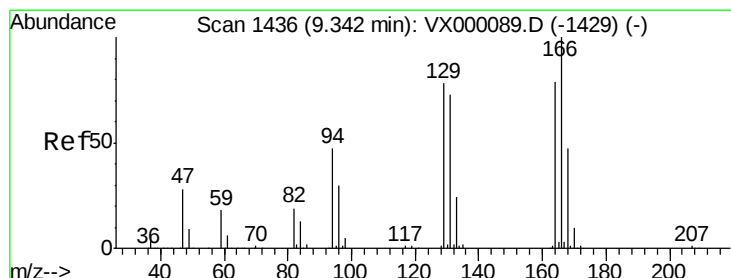
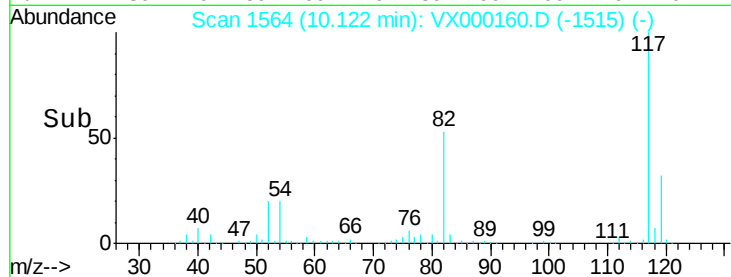
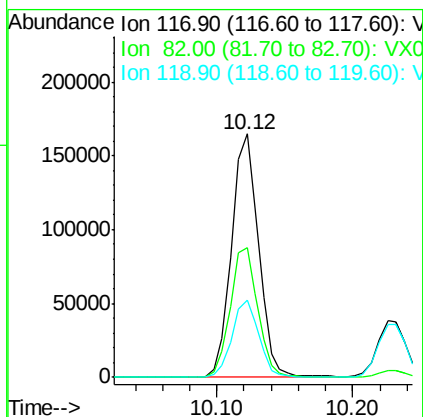
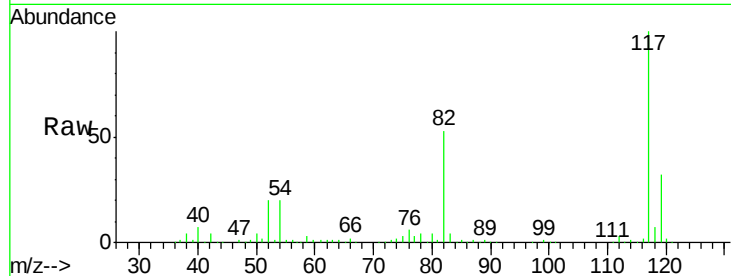
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000160.D
Acq: 28 Feb 2018 11:17

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	41.0	61.6
119	31.6	25.5	38.3

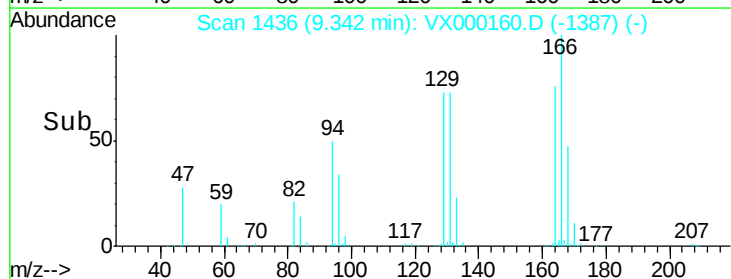
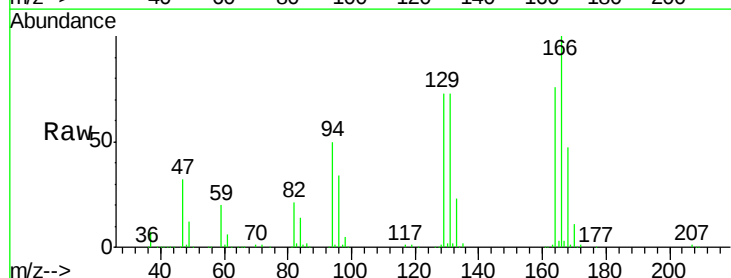
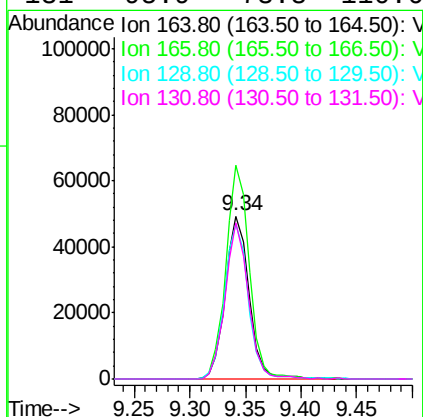
Manual Integrations
APPROVED

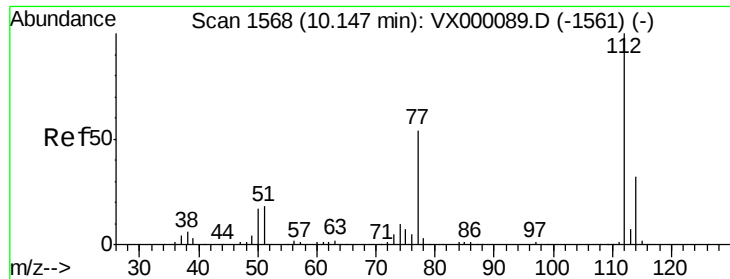
apatel
3/1/2018 12:52:52 PM



#64
Tetrachloroethene
Concen: 43.98 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX000160.D
Acq: 28 Feb 2018 11:17

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.2	101.4	152.2
129	95.5	78.6	118.0
131	95.9	73.8	110.6





#65

Chlorobenzene

Concen: 48.45 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VX000160.D

Acq: 28 Feb 2018 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 233810

Ion Ratio Lower Upper

112 100

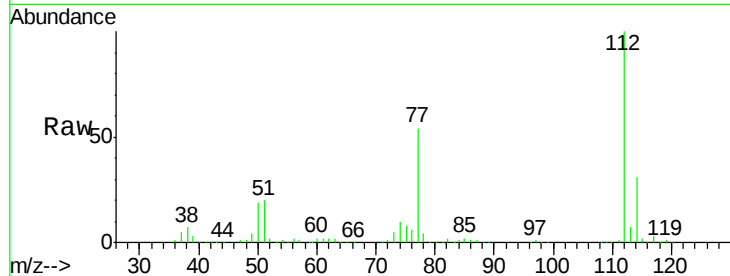
114 31.0 25.6 38.4

Manual Integrations

APPROVED

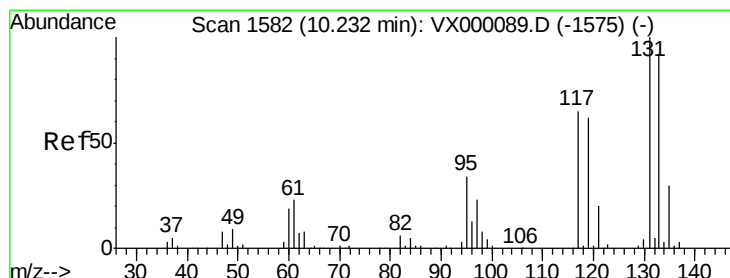
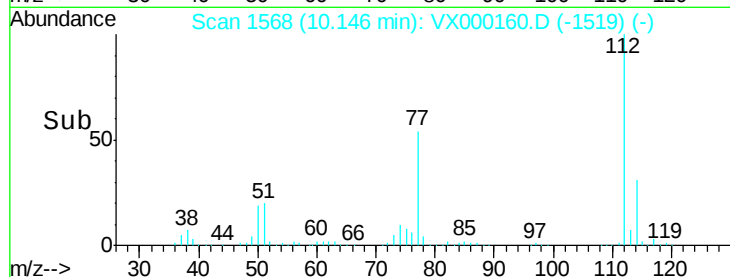
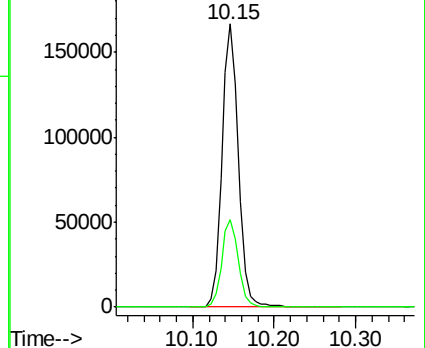
apatel

3/1/2018 12:52:52 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 48.59 ug/l

RT: 10.23 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VX000160.D

Acq: 28 Feb 2018 11:17

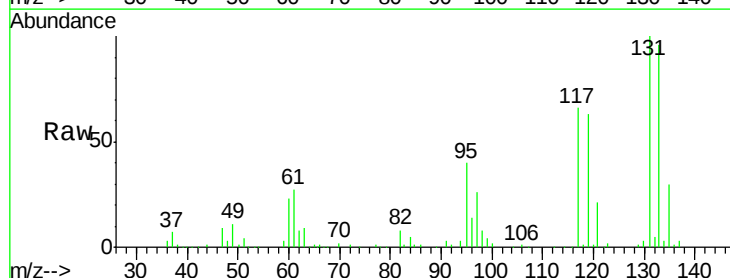
Tgt Ion:131 Resp: 82051

Ion Ratio Lower Upper

131 100

133 95.9 47.4 142.3

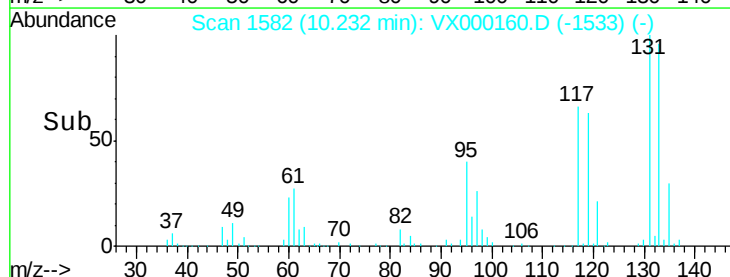
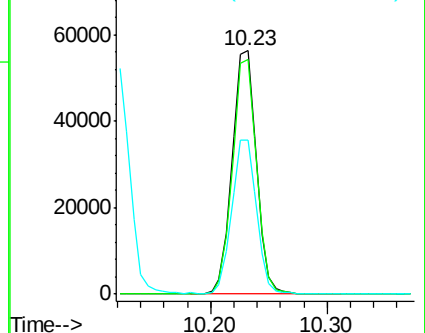
119 64.5 31.7 95.1

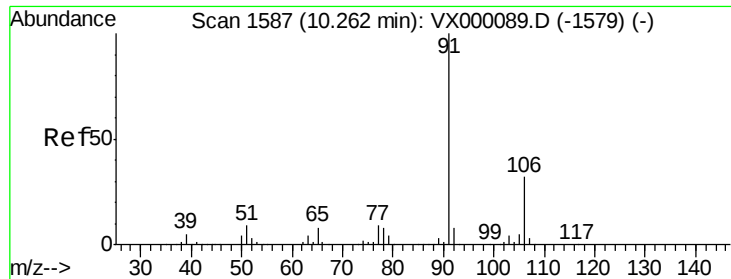


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





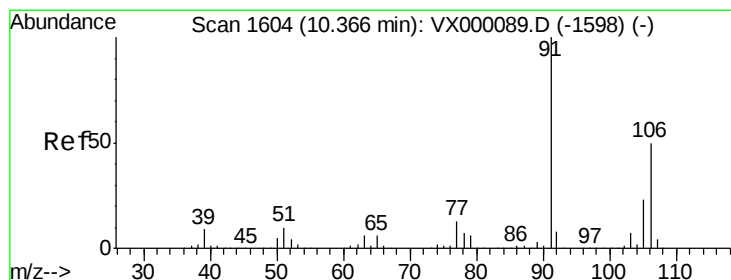
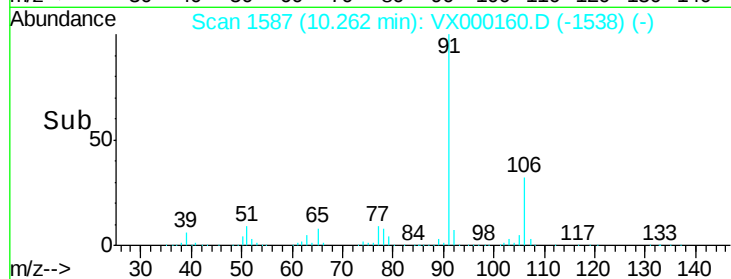
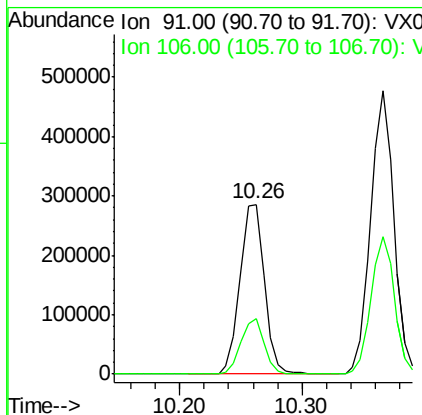
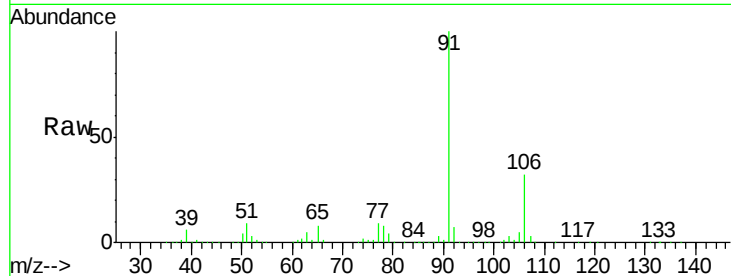
#67
Ethyl Benzene
Concen: 49.12 ug/l
RT: 10.26 min Scan# 1587
Delta R.T. -0.00 min
Lab File: VX000160.D
Acq: 28 Feb 2018 11:17

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 397936
Ion Ratio Lower Upper
91 100
106 32.3 25.8 38.6

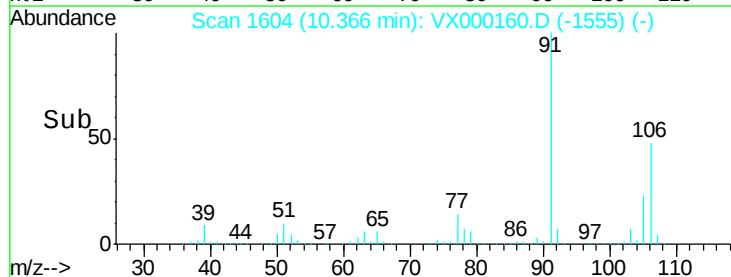
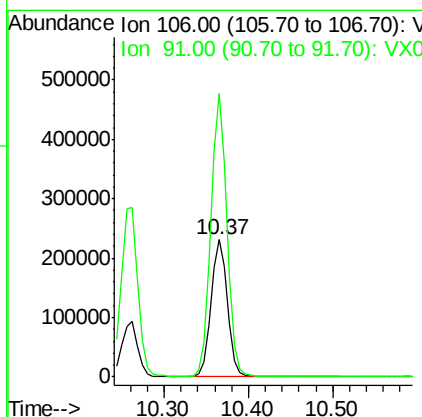
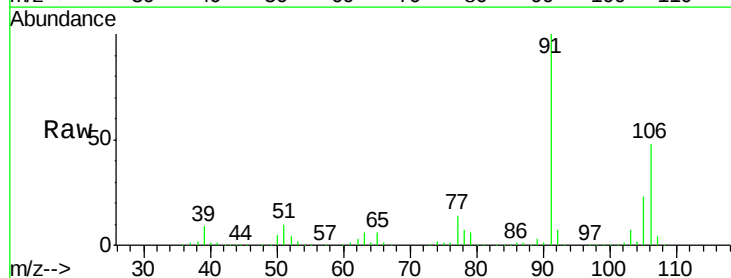
Manual Integrations
APPROVED

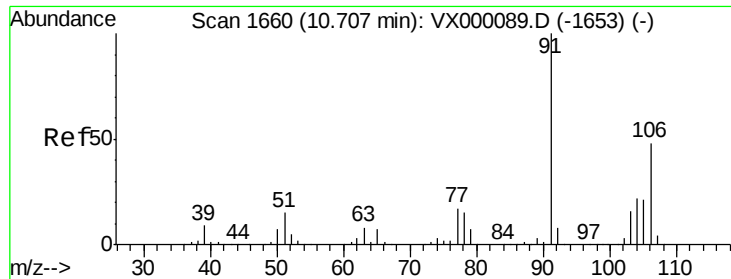
apatel
3/1/2018 12:52:52 PM



#68
m/p-Xylenes
Concen: 97.00 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX000160.D
Acq: 28 Feb 2018 11:17

Tgt Ion: 106 Resp: 311156
Ion Ratio Lower Upper
106 100
91 203.4 159.1 238.7





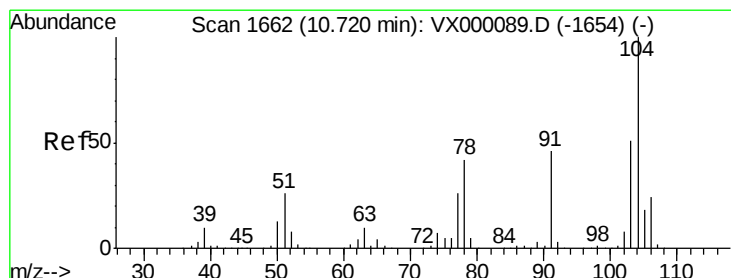
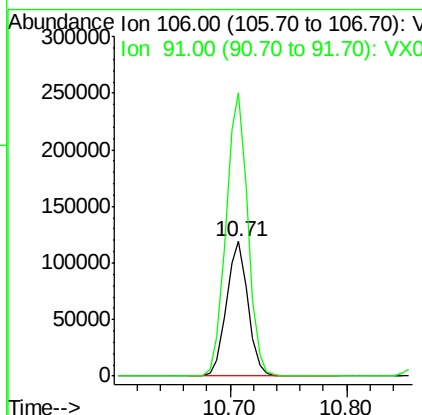
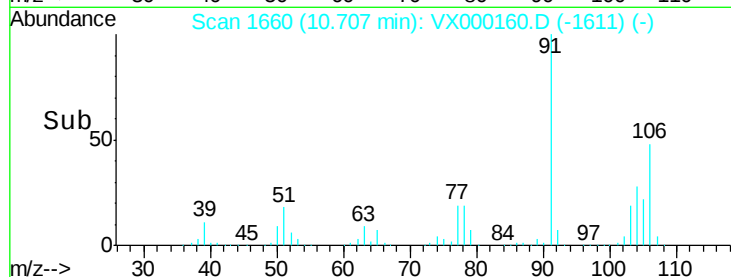
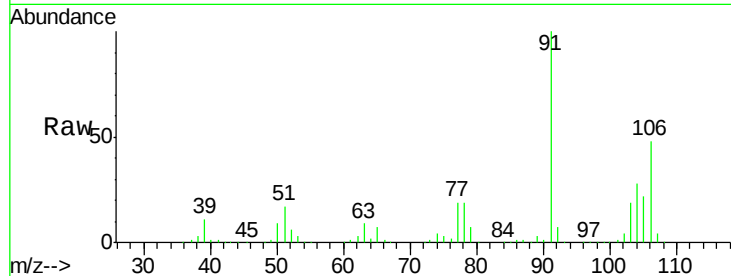
#69
o-Xylene
Concen: 49.22 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX000160.D
Acq: 28 Feb 2018 11:17

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 152264
Ion Ratio Lower Upper
106 100
91 212.6 103.8 311.6

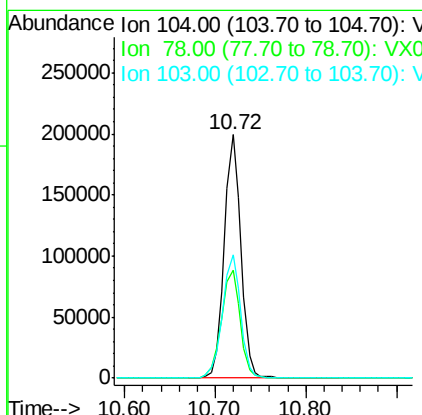
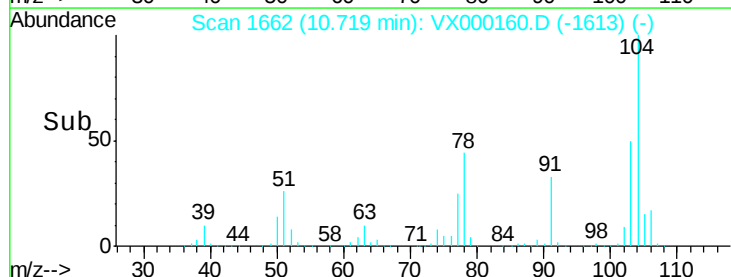
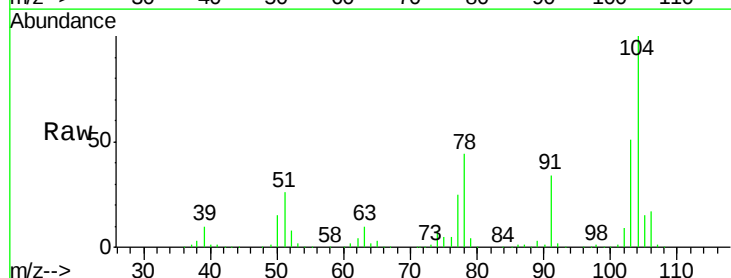
Manual Integrations
APPROVED

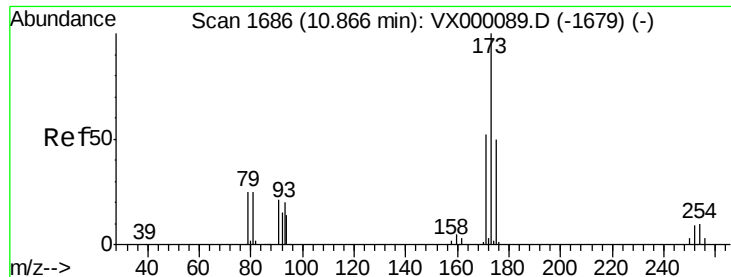
apatel
3/1/2018 12:52:52 PM



#70
Styrene
Concen: 50.48 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX000160.D
Acq: 28 Feb 2018 11:17

Tgt Ion:104 Resp: 255341
Ion Ratio Lower Upper
104 100
78 50.1 38.2 57.4
103 55.2 44.2 66.4





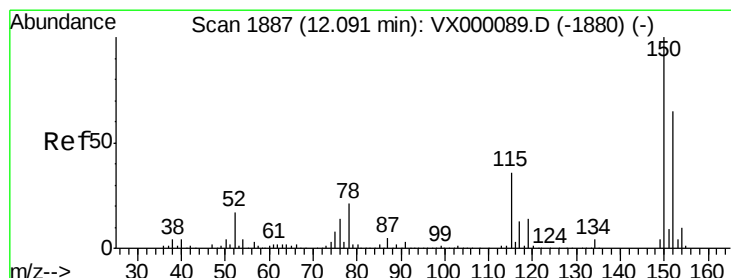
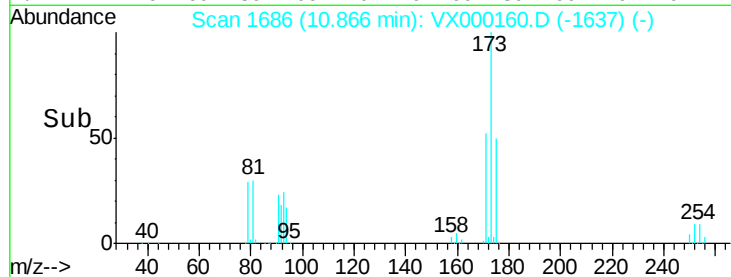
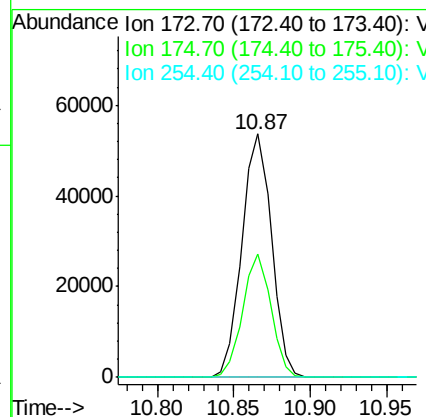
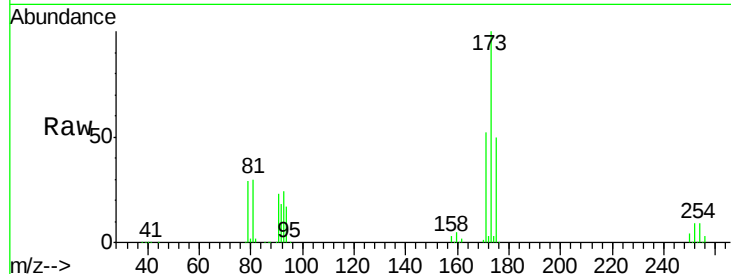
#71
Bromoform
Concen: 47.16 ug/l
RT: 10.87 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VX000160.D
Acq: 28 Feb 2018 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.3	73.0
254	0.1	0.0	0.0#

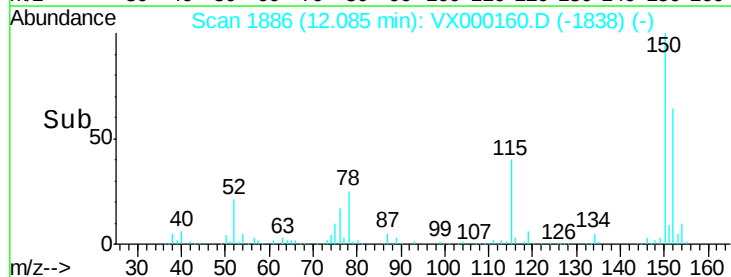
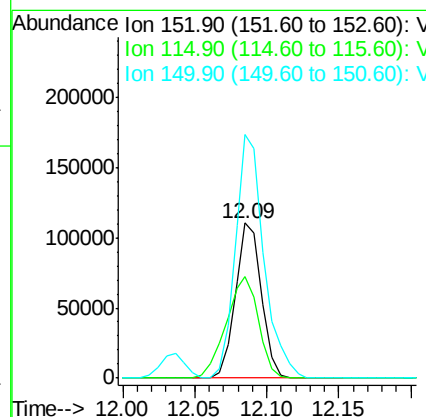
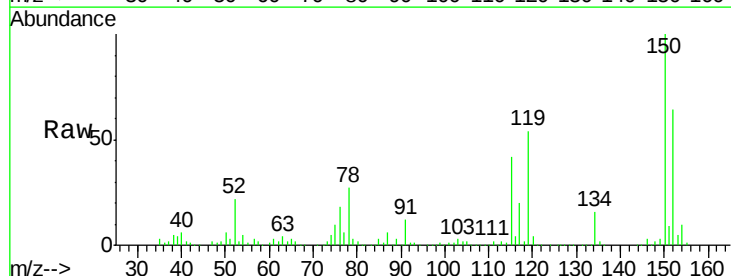
Manual Integrations
APPROVED

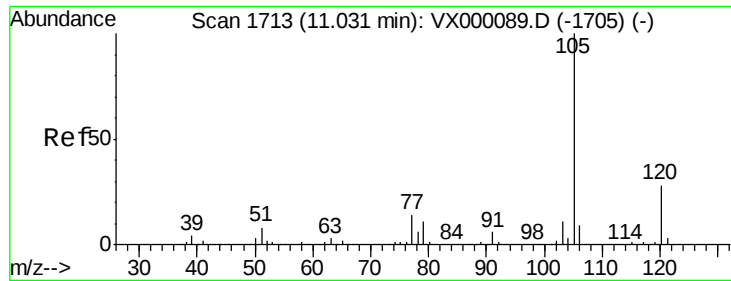
apatel
3/1/2018 12:52:52 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.01 min
Lab File: VX000160.D
Acq: 28 Feb 2018 11:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	81.5	39.1	117.2
150	172.3	0.0	348.2





#73

Isopropylbenzene

Concen: 46.98 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.01 min

Lab File: VX000160.D

Acq: 28 Feb 2018 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 415533

Ion Ratio Lower Upper

105 100

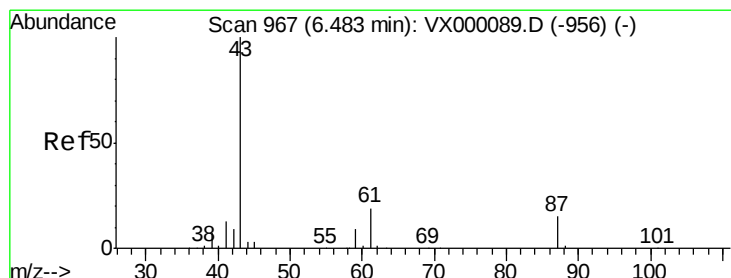
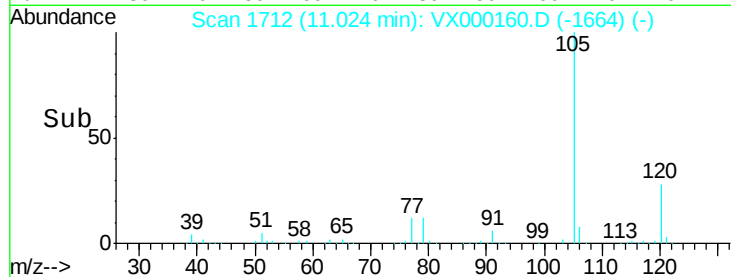
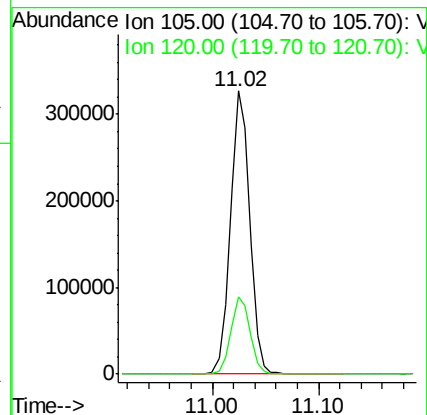
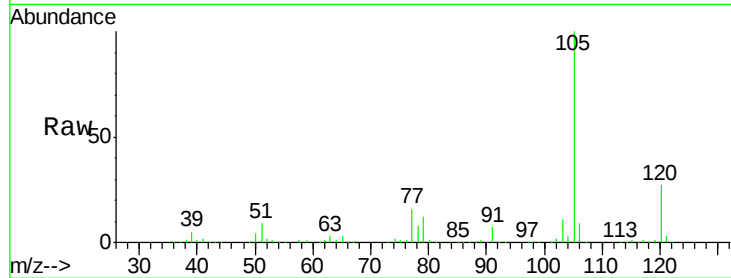
120 27.4 14.0 42.0

Manual Integrations

APPROVED

apatel

3/1/2018 12:52:52 PM



#74

N-ethyl acetate

Concen: 45.76 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.01 min

Lab File: VX000160.D

Acq: 28 Feb 2018 11:17

Tgt Ion: 43 Resp: 204461

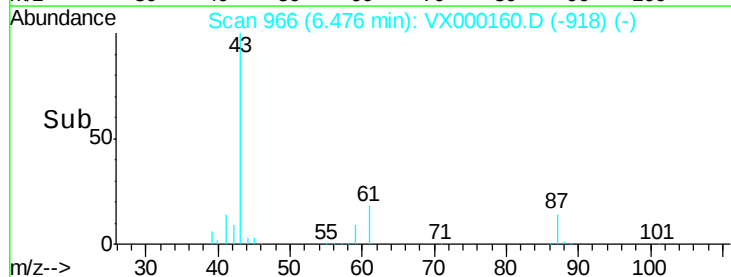
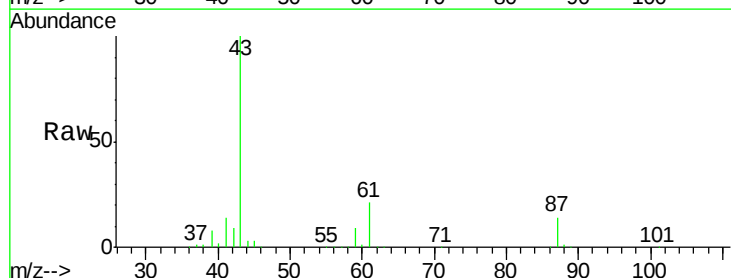
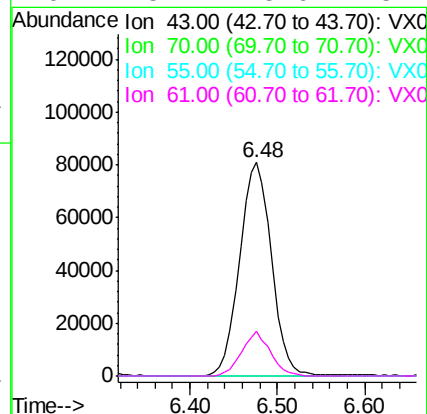
Ion Ratio Lower Upper

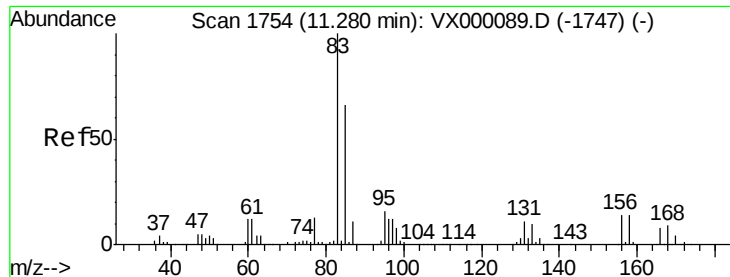
43 100

70 0.0 0.0 0.0

55 0.1 0.1 0.1#

61 18.7 15.6 23.4





#75

1,1,2,2-Tetrachloroethane

Concen: 48.61 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.01 min

Lab File: VX000160.D

Acq: 28 Feb 2018 11:17

Instrument :

MSVOA_X

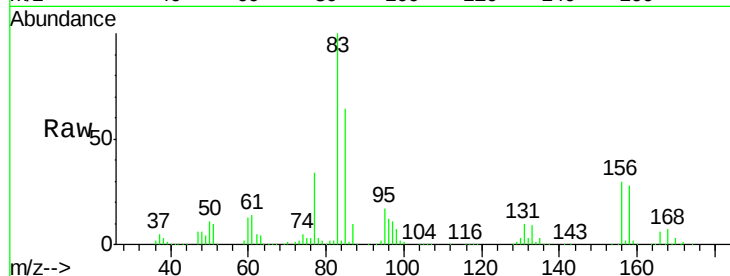
ClientSampled :

VSTDCCC050

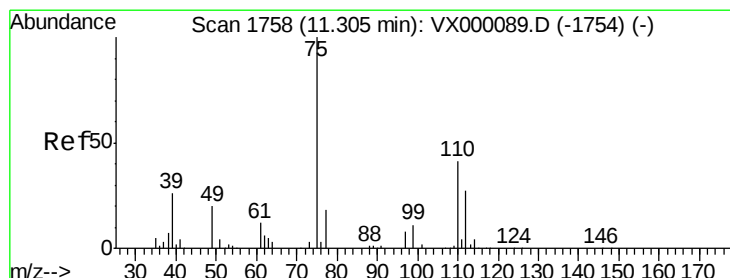
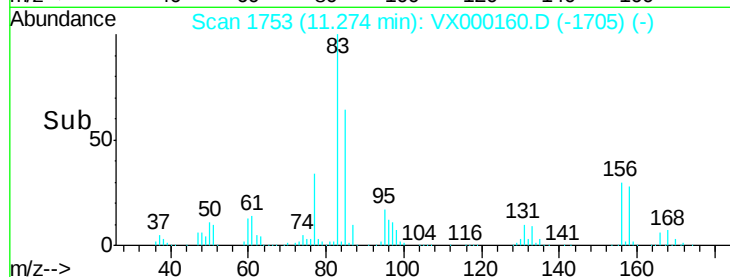
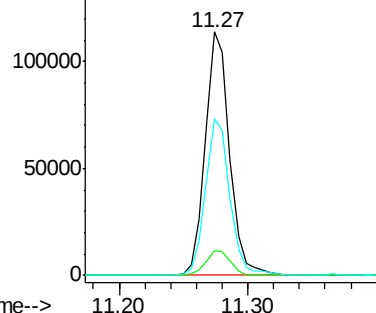
Tot Ion:	83	Resp:	149748
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.6	16.8
85	64.9	32.3	96.8

Manual Integrations
APPROVED

apatel
3/1/2018 12:52:52 PM



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 47.60 ug/l m

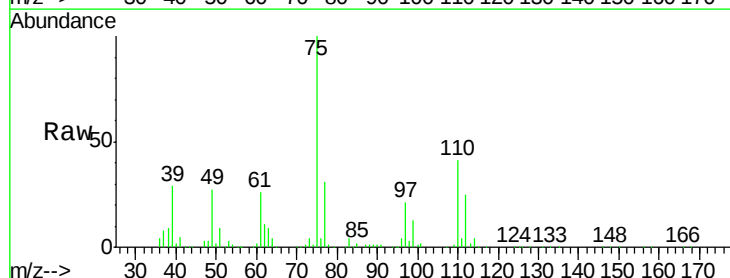
RT: 11.30 min Scan# 1758

Delta R.T. -0.00 min

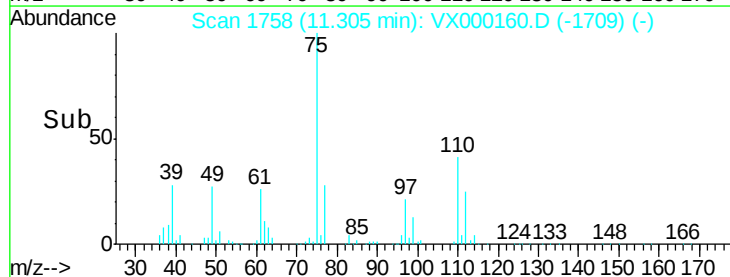
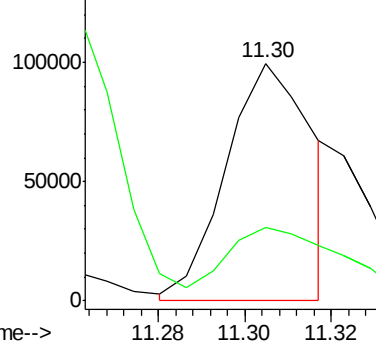
Lab File: VX000160.D

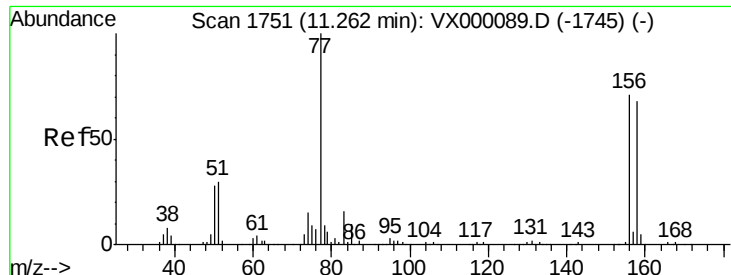
Acq: 28 Feb 2018 11:17

Tgt Ion:	75	Resp:	137620
Ion Ratio	Lower	Upper	
75	100		
77	42.7	22.8	68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 43.72 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX000160.D

Acq: 28 Feb 2018 11:17

Instrument :

MSVOA_X

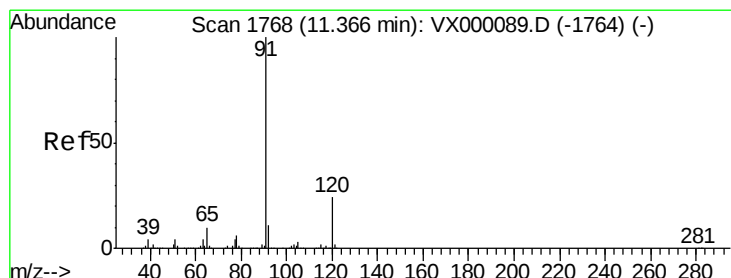
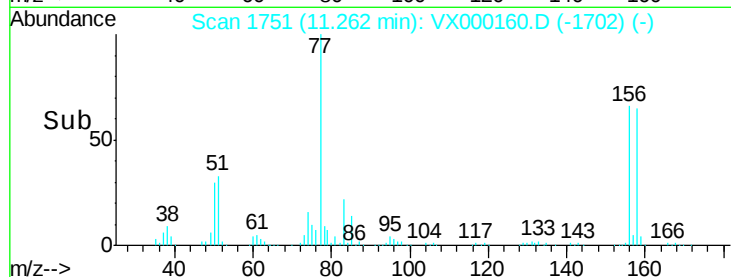
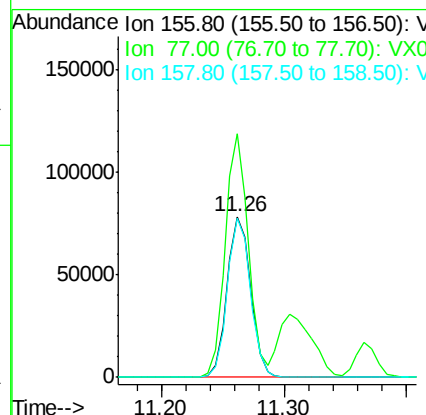
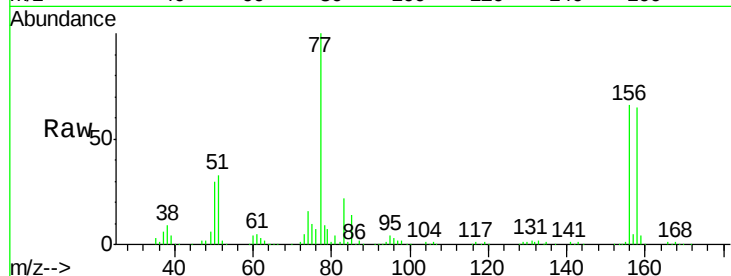
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	104796
Ion Ratio	Lower	Upper	
156	100		
77	148.5	67.0	201.0
158	97.3	48.3	144.9

Manual Integrations
APPROVED

apatel
3/1/2018 12:52:52 PM



#78

n-propylbenzene

Concen: 47.46 ug/l

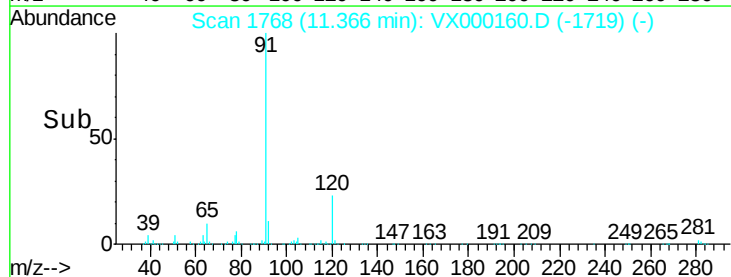
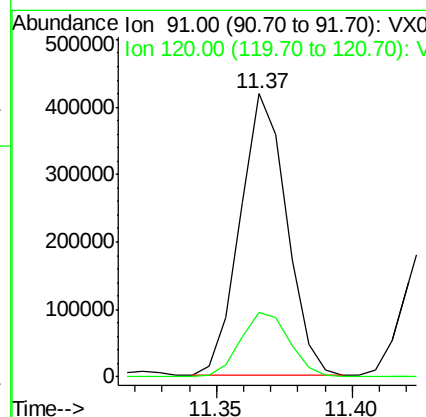
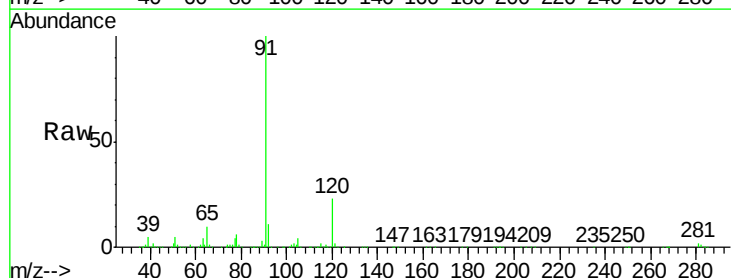
RT: 11.37 min Scan# 1768

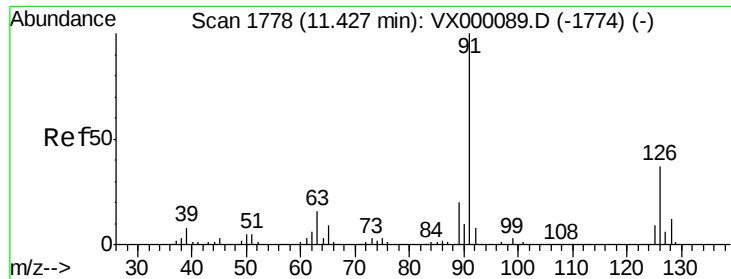
Delta R.T. -0.00 min

Lab File: VX000160.D

Acq: 28 Feb 2018 11:17

Tgt Ion:	91	Resp:	494947
Ion Ratio	Lower	Upper	
91	100		
120	24.2	12.3	36.9





#79

2-Chlorotoluene

Concen: 46.79 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX000160.D

Acq: 28 Feb 2018 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 279181

Ion Ratio Lower Upper

91 100

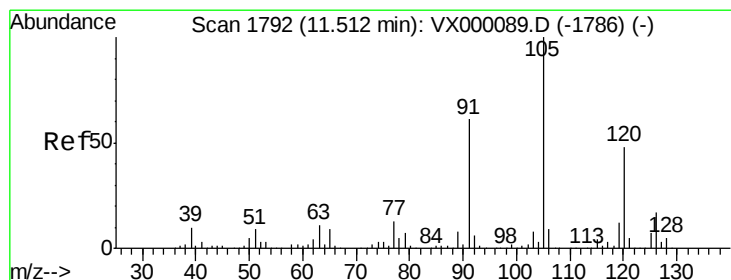
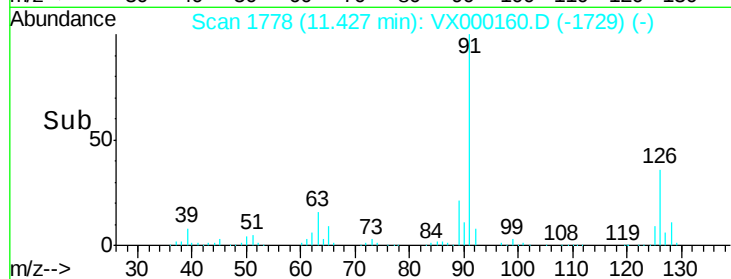
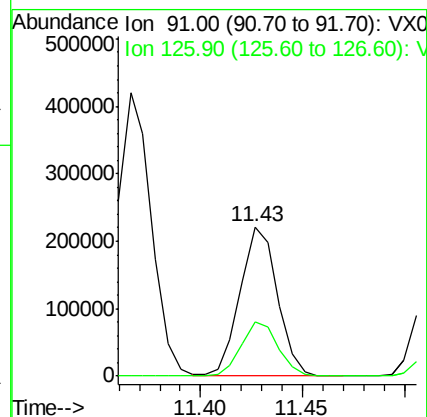
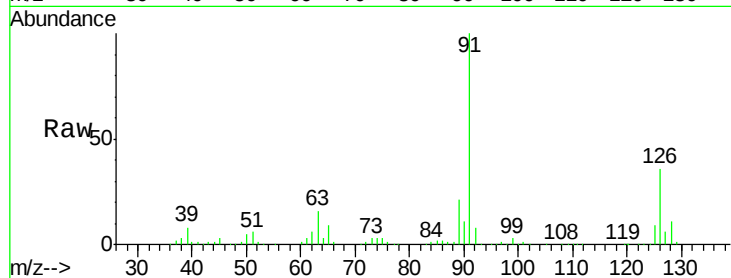
126 36.3 18.4 55.2

Manual Integrations

APPROVED

apatel

3/1/2018 12:52:52 PM



#80

1,3,5-Trimethylbenzene

Concen: 48.63 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX000160.D

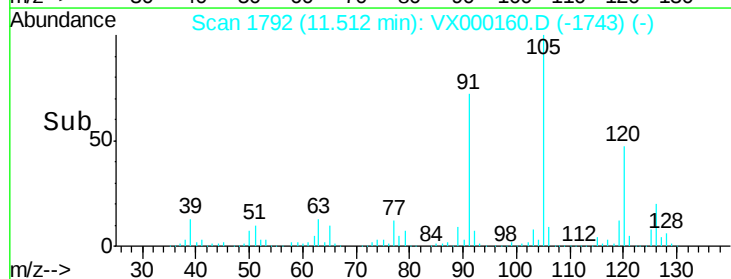
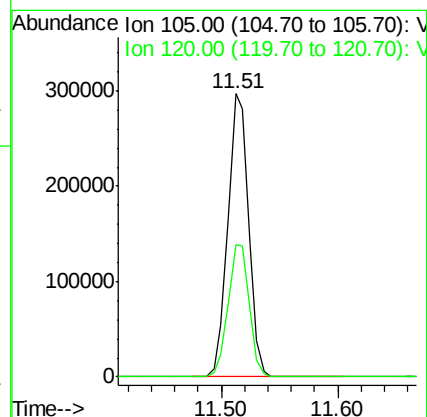
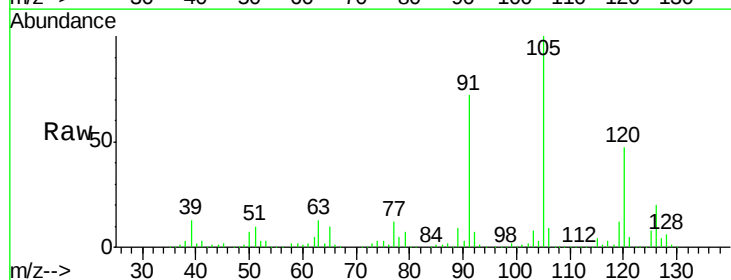
Acq: 28 Feb 2018 11:17

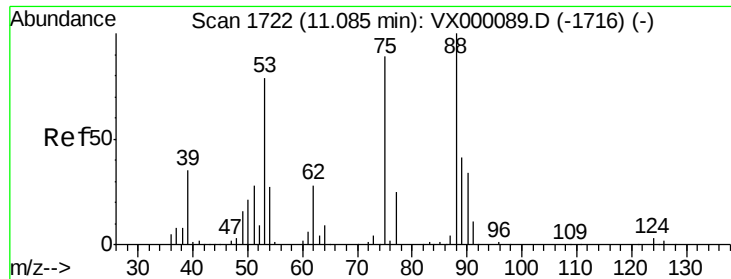
Tgt Ion: 105 Resp: 363639

Ion Ratio Lower Upper

105 100

120 47.9 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 47.66 ug/l

RT: 11.09 min Scan# 1722

Delta R.T. -0.00 min

Lab File: VX000160.D

Acq: 28 Feb 2018 11:17

Instrument :

MSVOA_X

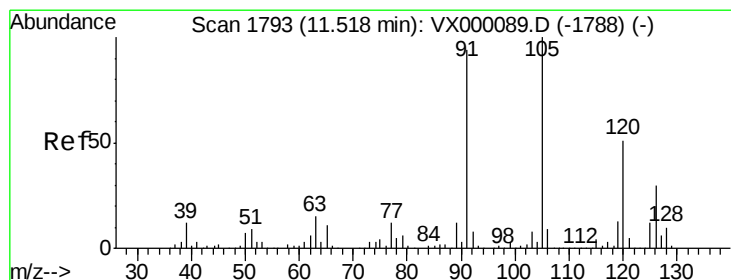
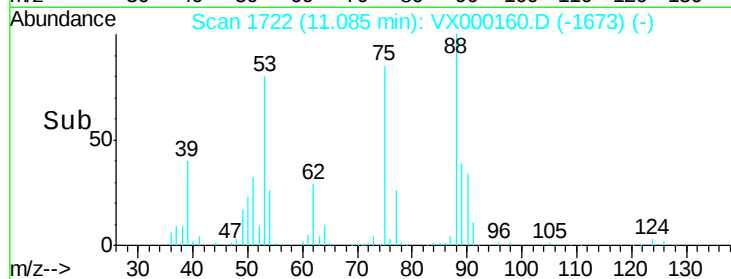
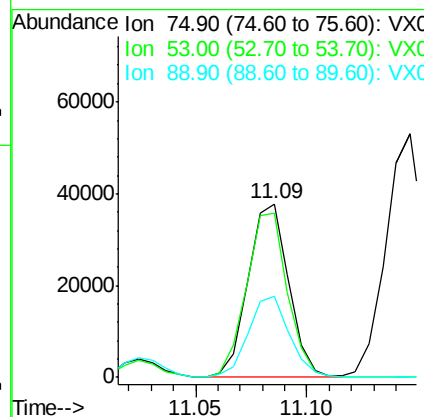
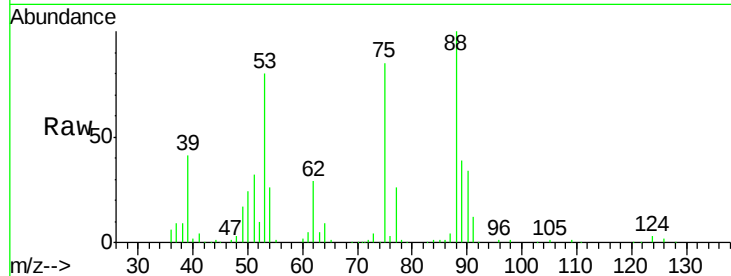
ClientSampled :

VSTDCCC050

Tot Ion:	75	Resp:	48378
Ion	Ratio	Lower	Upper
75	100		
53	95.9	72.3	108.5
89	47.0	40.6	60.8

Manual Integrations
APPROVED

apatel
3/1/2018 12:52:52 PM



#82

4-Chlorotoluene

Concen: 48.26 ug/l

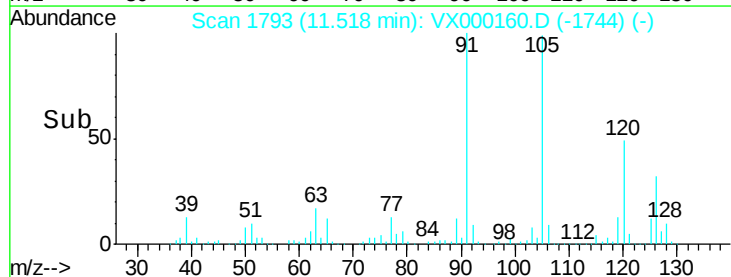
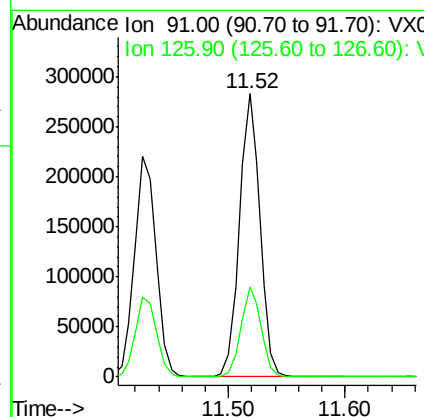
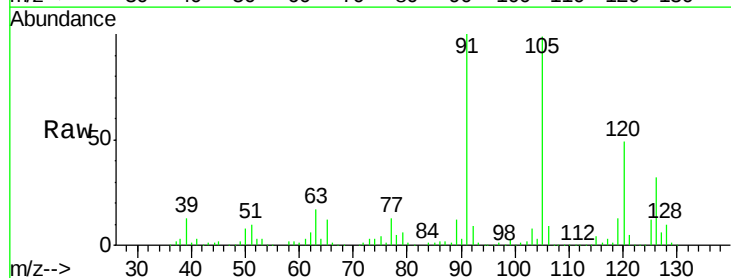
RT: 11.52 min Scan# 1793

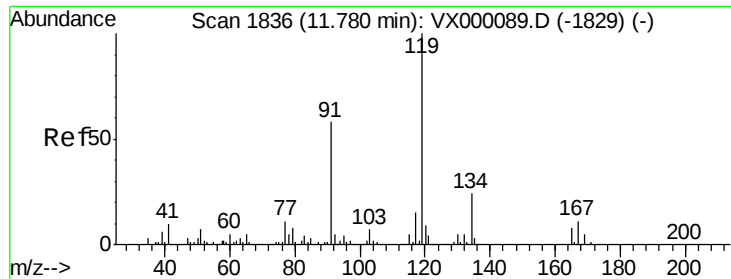
Delta R.T. -0.00 min

Lab File: VX000160.D

Acq: 28 Feb 2018 11:17

Tgt Ion:	91	Resp:	348351
Ion	Ratio	Lower	Upper
91	100		
126	31.2	16.7	50.0





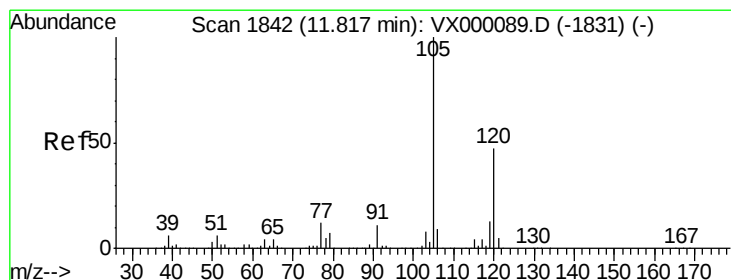
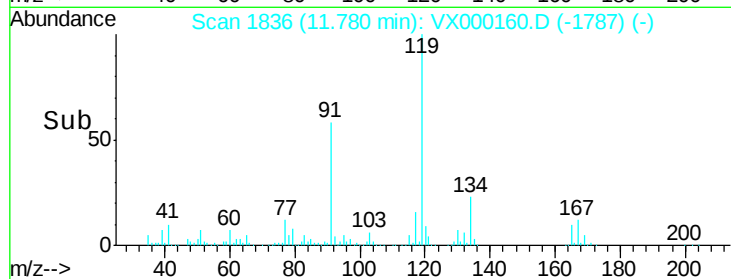
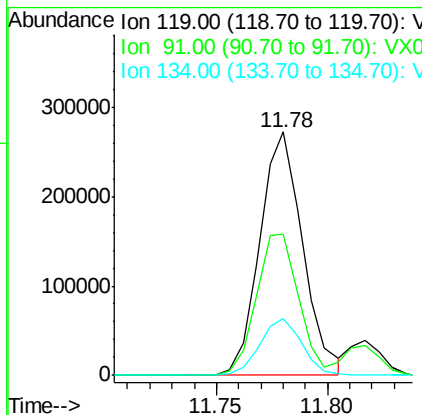
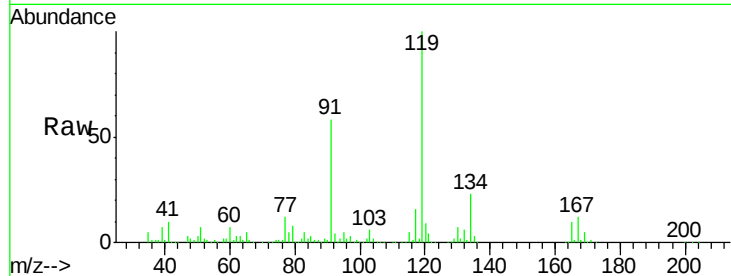
#83
 tert-Butylbenzene
 Concen: 48.24 ug/l
 RT: 11.78 min Scan# 1836
 Delta R.T. -0.00 min
 Lab File: VX000160.D
 Acq: 28 Feb 2018 11:17

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	364299		
91	57.3		28.4	85.2
134	22.7		11.8	35.4

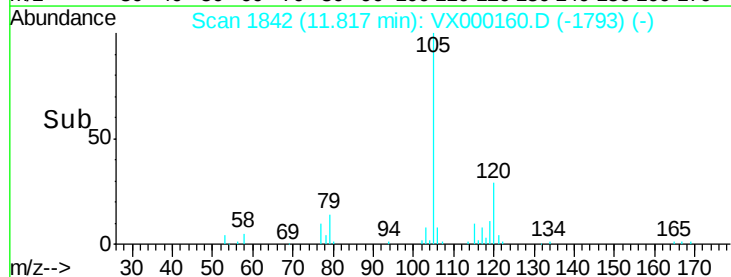
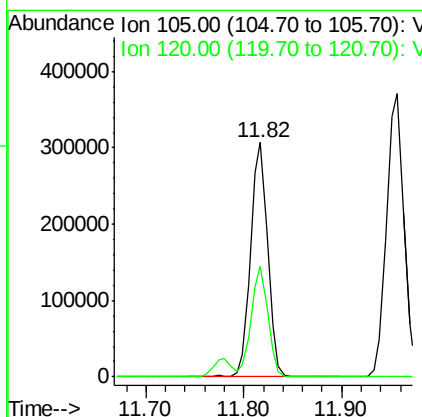
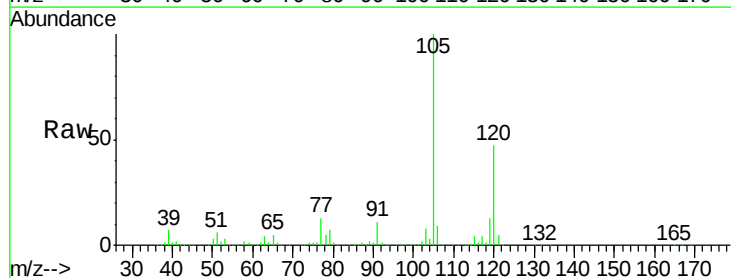
Manual Integrations
 APPROVED

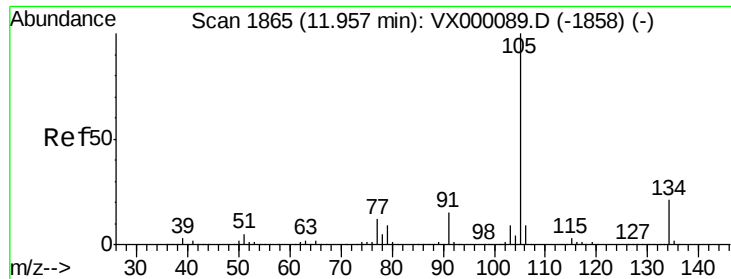
apatel
 3/1/2018 12:52:52 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 47.92 ug/l
 RT: 11.82 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: VX000160.D
 Acq: 28 Feb 2018 11:17

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	372075		
120	46.0		23.1	69.2





#85

sec-Butylbenzene

Concen: 48.80 ug/l

RT: 11.96 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VX000160.D

Acq: 28 Feb 2018 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 457642

Ion Ratio Lower Upper

105 100

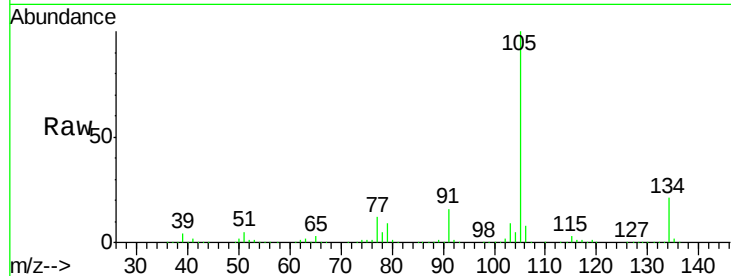
134 20.4 10.5 31.6

Manual Integrations

APPROVED

apatel

3/1/2018 12:52:52 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.96

400000

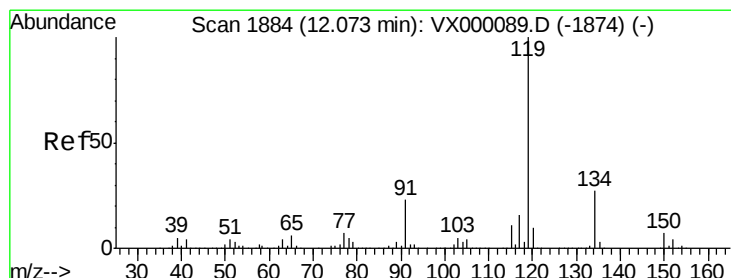
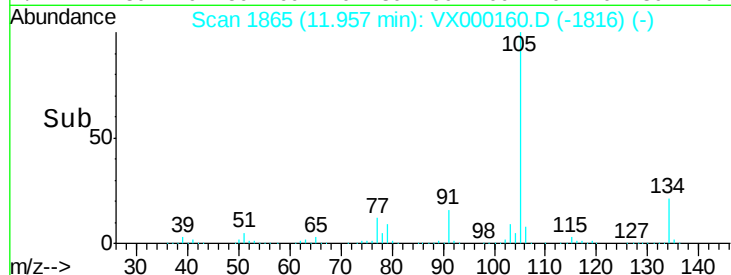
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 49.19 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VX000160.D

Acq: 28 Feb 2018 11:17

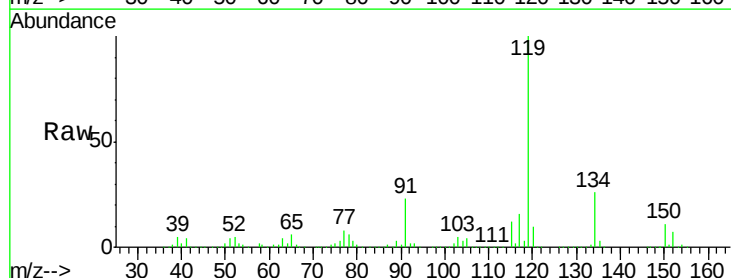
Tgt Ion:119 Resp: 412214

Ion Ratio Lower Upper

119 100

134 26.6 13.7 41.0

91 23.9 11.7 35.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.07

400000

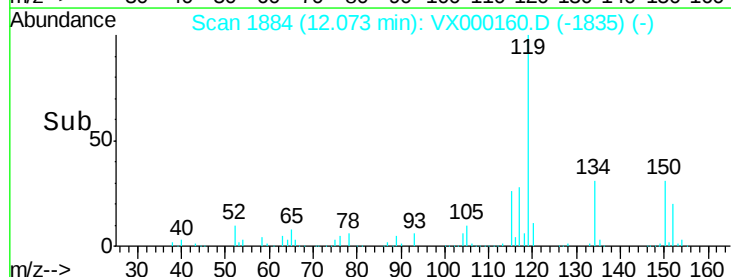
300000

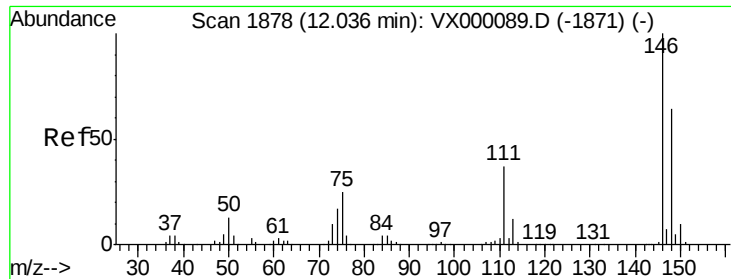
200000

100000

0

Time-->





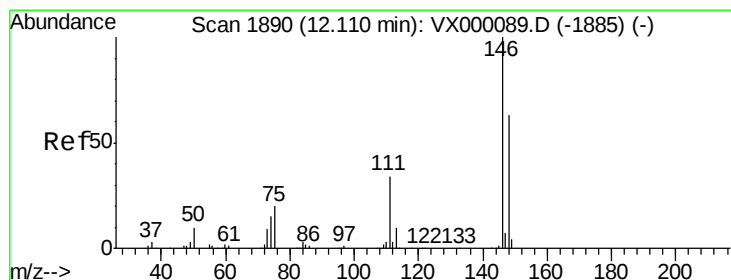
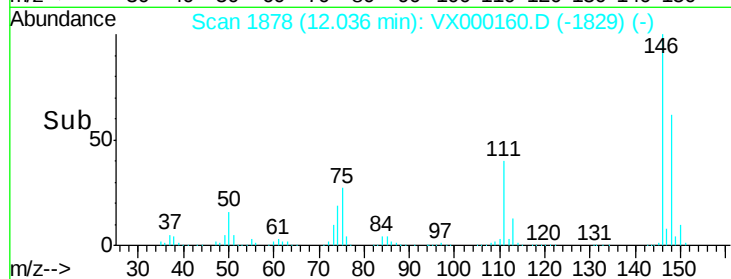
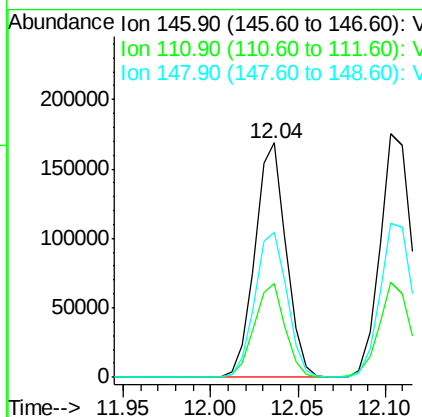
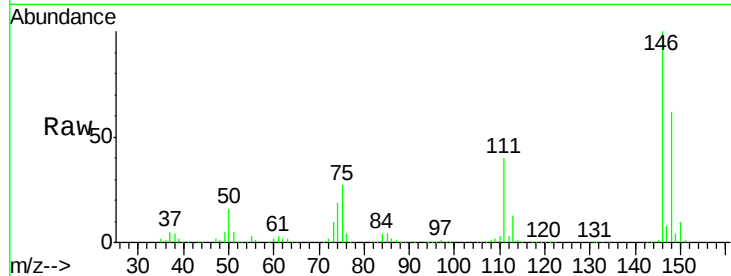
#87
 1,3-Dichlorobenzene
 Concen: 45.53 ug/l
 RT: 12.04 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VX000160.D
 Acq: 28 Feb 2018 11:17

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.1	57.3
148	64.0	32.2	96.6

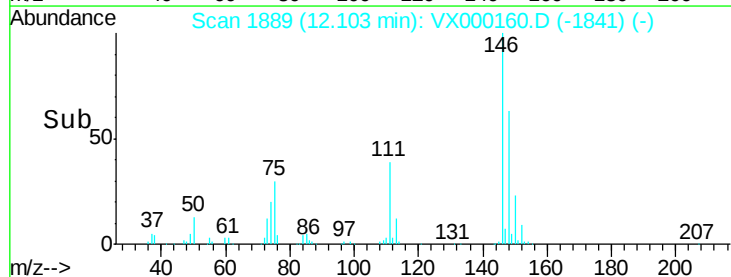
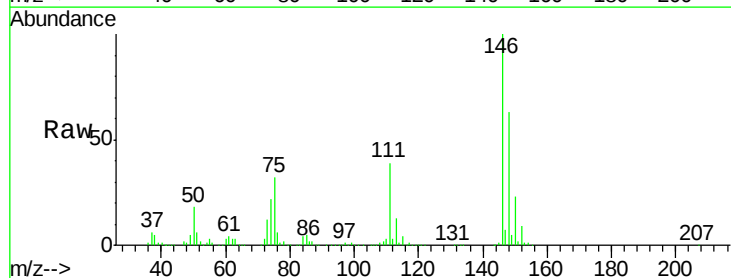
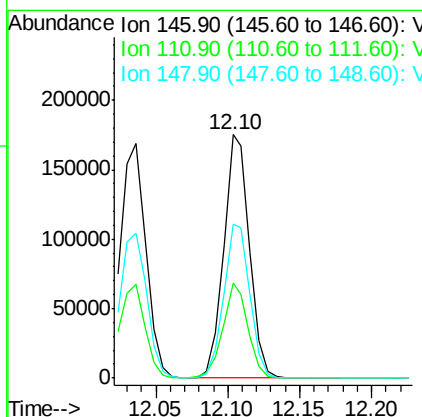
Manual Integrations
 APPROVED

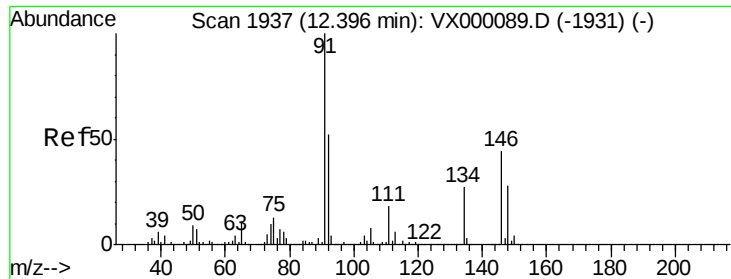
apatel
 3/1/2018 12:52:52 PM



#88
 1,4-Dichlorobenzene
 Concen: 46.25 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.01 min
 Lab File: VX000160.D
 Acq: 28 Feb 2018 11:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.4	55.0
148	64.3	31.9	95.9





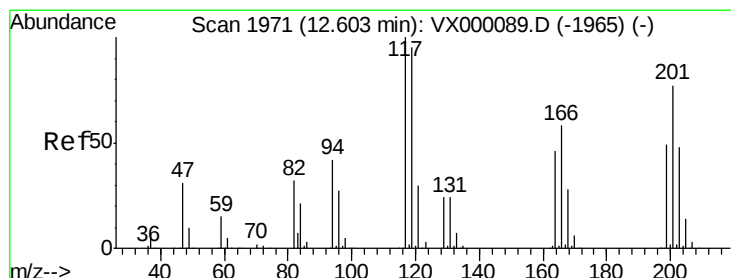
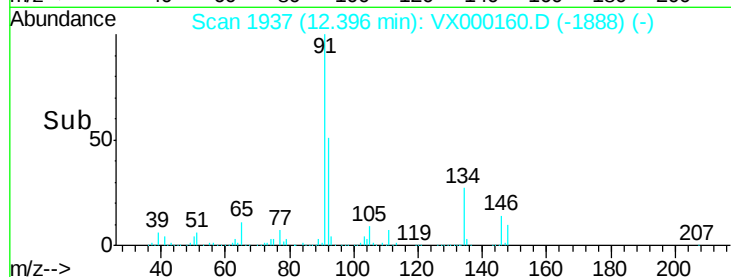
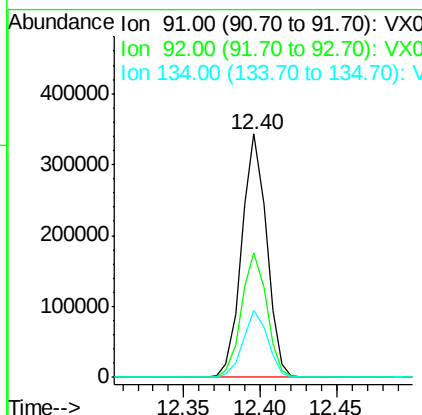
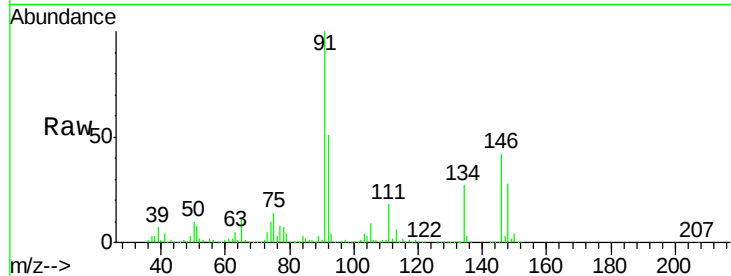
#89
n-Butylbenzene
Concen: 48.91 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX000160.D
Acq: 28 Feb 2018 11:17

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	51.8	26.2	78.6	
134	27.1	14.3	42.9	

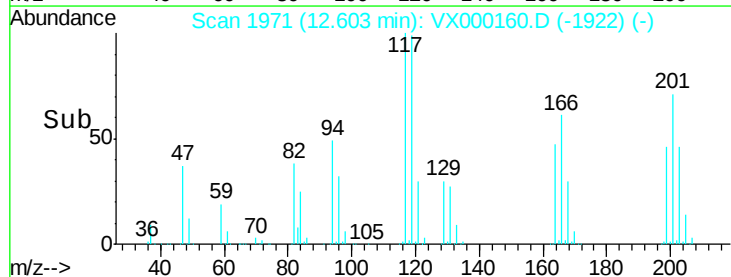
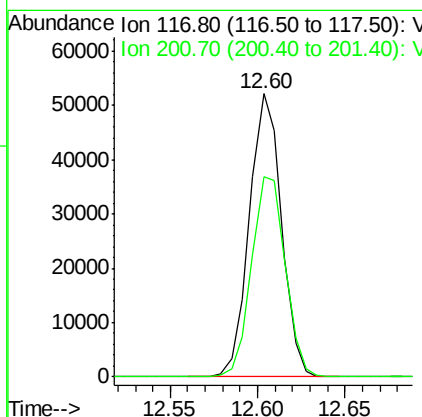
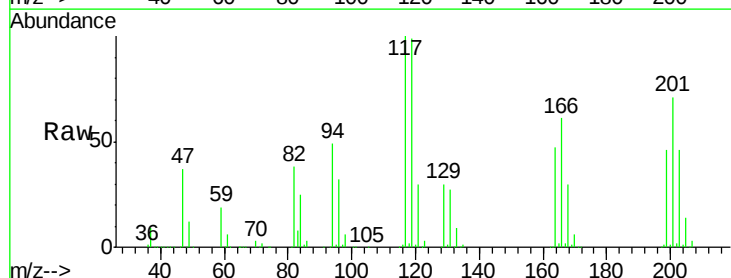
Manual Integrations
APPROVED

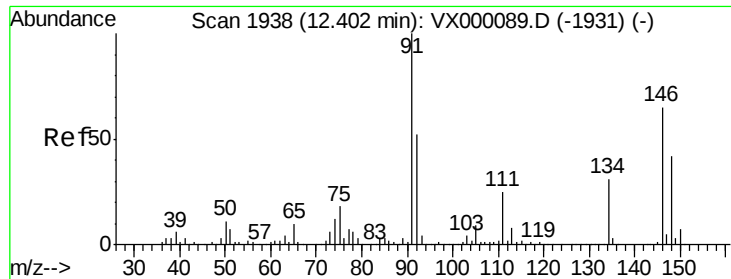
apatel
3/1/2018 12:52:52 PM



#90
Hexachloroethane
Concen: 48.71 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX000160.D
Acq: 28 Feb 2018 11:17

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	74.6	41.1	123.4	





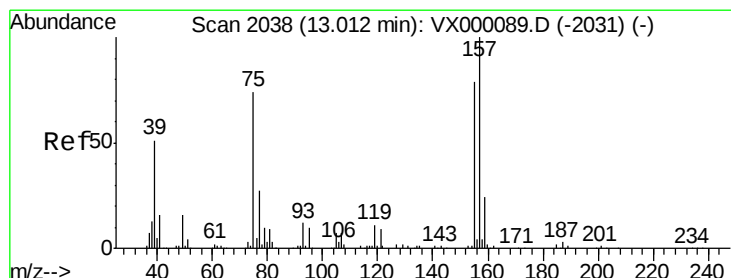
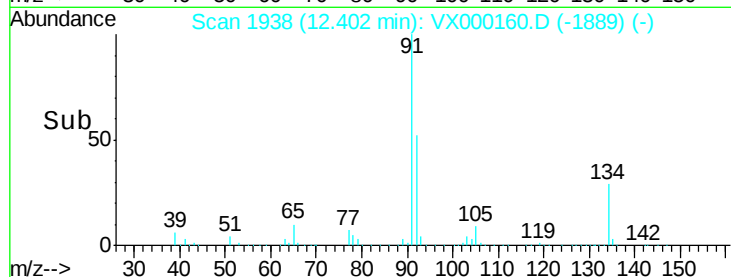
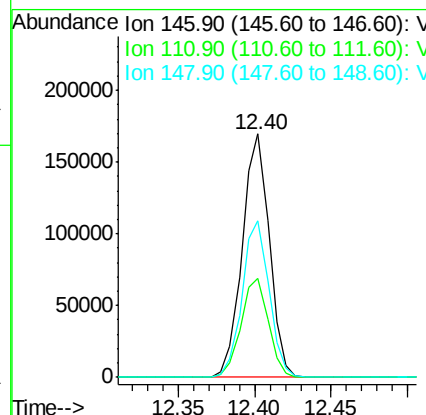
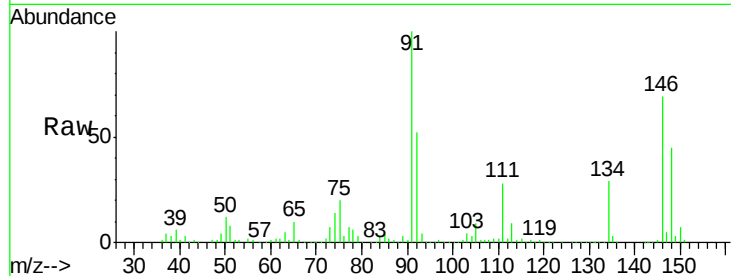
#91
 1,2-Dichlorobenzene
 Concen: 45.90 ug/l
 RT: 12.40 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VX000160.D
 Acq: 28 Feb 2018 11:17

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	19.6	58.8
148	64.0	32.4	97.0

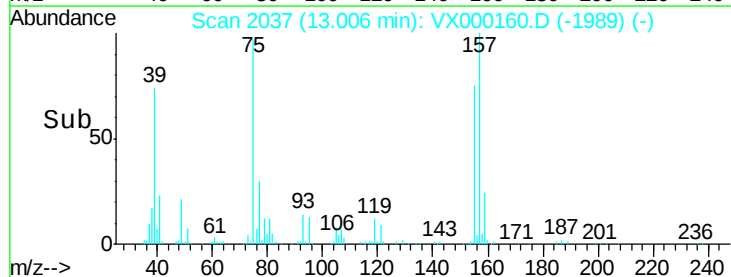
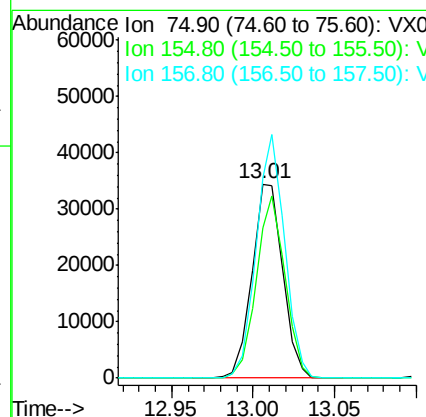
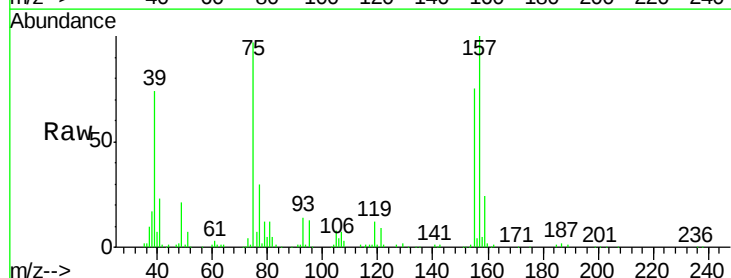
Manual Integrations
 APPROVED

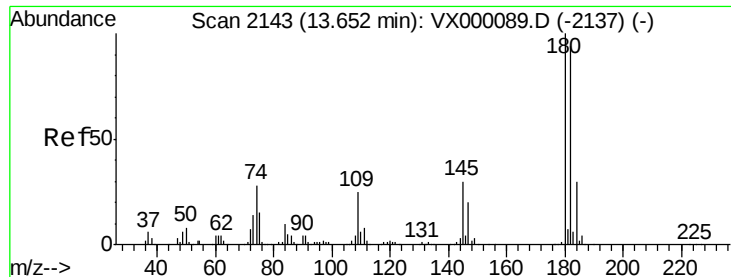
apatel
 3/1/2018 12:52:52 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.06 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.01 min
 Lab File: VX000160.D
 Acq: 28 Feb 2018 11:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.3	49.3	147.9
157	116.1	63.7	191.1





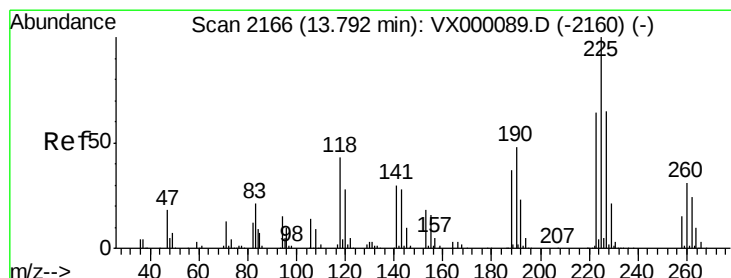
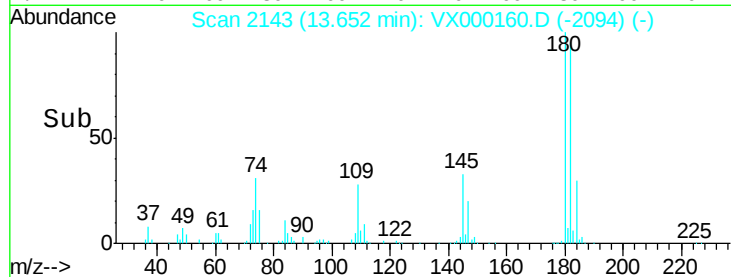
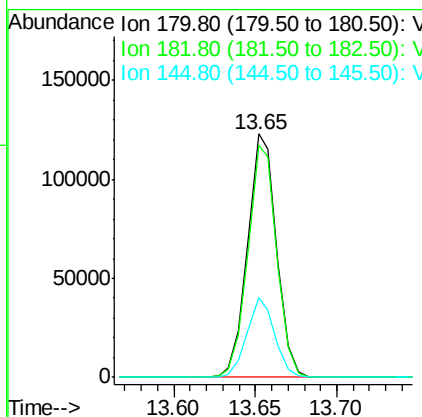
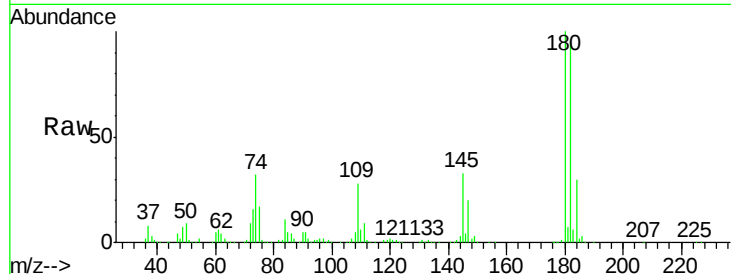
#93
 1,2,4-Trichlorobenzene
 Concen: 44.65 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX000160.D
 Acq: 28 Feb 2018 11:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	151616		
182	95.0	47.8	143.4	
145	31.2	14.7	44.1	

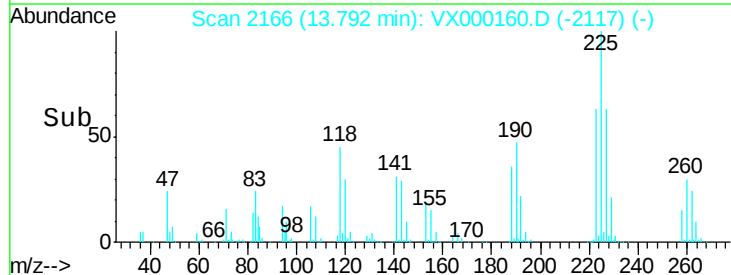
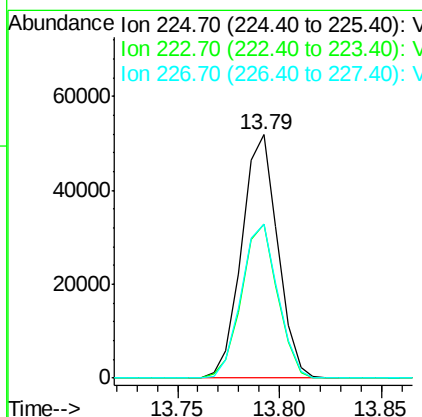
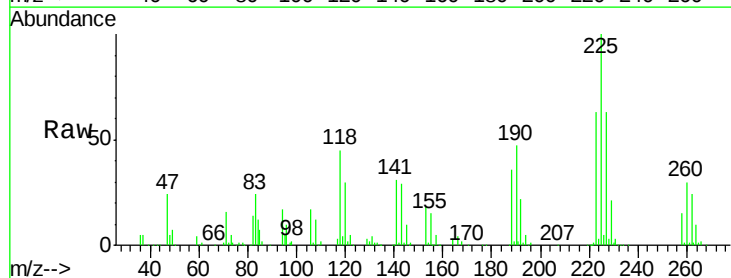
Manual Integrations
 APPROVED

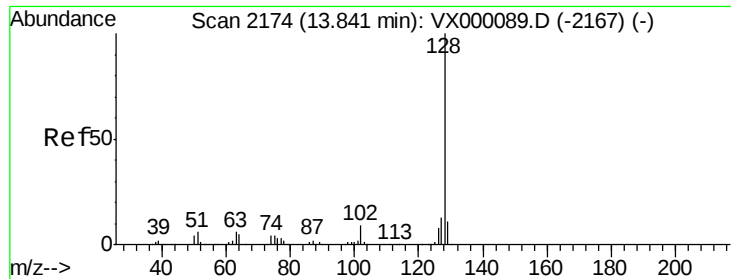
apatel
 3/1/2018 12:52:52 PM



#94
 Hexachlorobutadiene
 Concen: 42.84 ug/l
 RT: 13.79 min Scan# 2166
 Delta R.T. -0.00 min
 Lab File: VX000160.D
 Acq: 28 Feb 2018 11:17

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	63481		
223	63.5	31.9	95.7	
227	64.4	32.8	98.4	





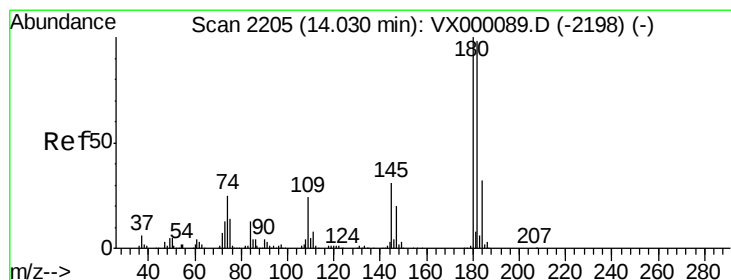
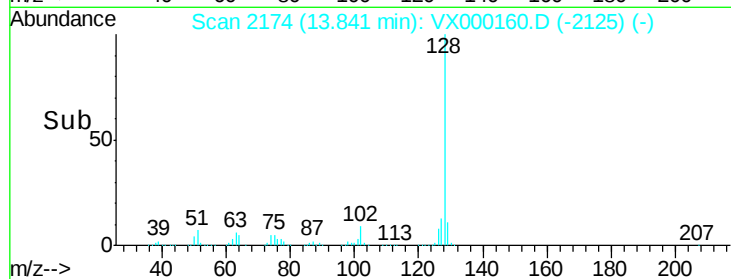
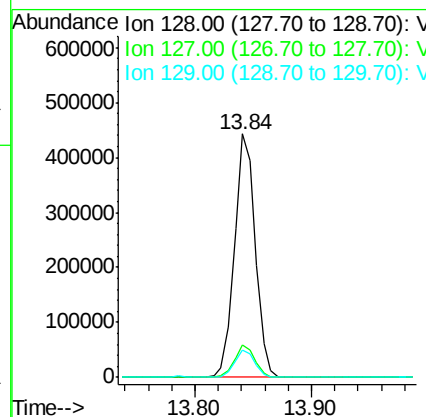
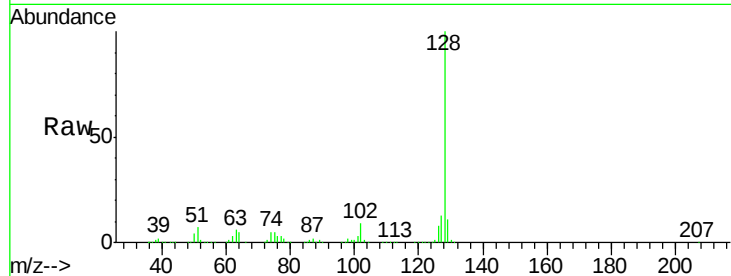
#95
Naphthalene
Concen: 47.64 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX000160.D
Acq: 28 Feb 2018 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	11.0	8.7	13.1

Manual Integrations
APPROVED

apatel
3/1/2018 12:52:52 PM



#96
1,2,3-Trichlorobenzene
Concen: 44.42 ug/l
RT: 14.03 min Scan# 2205
Delta R.T. -0.00 min
Lab File: VX000160.D
Acq: 28 Feb 2018 11:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	48.2	144.6
145	31.6	15.3	45.9

