

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX031318\
 Data File : VX000289.D
 Acq On : 13 Mar 2018 09:58
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

sam
 3/14/2018 2:11:42 PM

Quant Time: Mar 13 14:26:41 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X030718W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 08 02:15:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	183389	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	298416	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	302678	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	188101	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	111347	43.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.60%	
35) Dibromofluoromethane	5.51	113	88514	47.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.44%	
50) Toluene-d8	8.73	98	358443	46.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.34%	
62) 4-Bromofluorobenzene	11.15	95	144572	47.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	86612	43.34	ug/l	98
3) Chloromethane	1.32	50	83825	42.97	ug/l	100
4) Vinyl Chloride	1.41	62	100568	44.23	ug/l	99
5) Bromomethane	1.64	94	101372	42.66	ug/l	99
6) Chloroethane	1.72	64	66159	46.65	ug/l	99
7) Trichlorofluoromethane	1.93	101	182886	48.49	ug/l	98
8) Diethyl Ether	2.20	74	63960	46.20	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.39	101	102054	48.44	ug/l	98
10) Methyl Iodide	2.52	142	106053	48.09	ug/l	99
11) Tert butyl alcohol	3.07	59	180286	193.00	ug/l	100
12) 1,1-Dichloroethene	2.38	96	89481	46.26	ug/l	97
13) Acrolein	2.30	56	107608	219.12	ug/l	97
14) Allyl chloride	2.73	41	157974	44.21	ug/l	99
15) Acrylonitrile	3.15	53	349794	215.18	ug/l	99
16) Acetone	2.45	43	438036	239.93	ug/l	97
17) Carbon Disulfide	2.57	76	225017	42.46	ug/l	100
18) Methyl Acetate	2.78	43	168409	43.32	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	334696	48.59	ug/l	99
20) Methylene Chloride	2.86	84	98985	45.46	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	99510	46.78	ug/l	97
22) Diisopropyl ether	3.88	45	315340	51.39	ug/l	98
23) Vinyl Acetate	3.84	43	1485763	251.25	ug/l	98
24) 1,1-Dichloroethane	3.70	63	173799	46.21	ug/l	98
25) 2-Butanone	4.72	43	497455	220.79	ug/l	96
26) 2,2-Dichloropropane	4.59	77	136410	49.62	ug/l	99
27) cis-1,2-Dichloroethene	4.61	96	94876	47.04	ug/l	97
28) Bromochloromethane	5.03	49	76222	47.68	ug/l	95
29) Tetrahydrofuran	5.18	42	299118	211.38	ug/l	99
30) Chloroform	5.23	83	174317	47.93	ug/l	97
31) Cyclohexane	5.59	56	133879	48.13	ug/l	94
32) 1,1,1-Trichloroethane	5.51	97	157678	50.01	ug/l	99
36) 1,1-Dichloropropene	5.81	75	130054	48.98	ug/l	100
37) Ethyl Acetate	4.87	43	165695	43.18	ug/l	99
38) Carbon Tetrachloride	5.79	117	136694	50.87	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	159425	48.93	ug/l	97
40) Benzene	6.15	78	368910	48.17	ug/l	98
41) Methacrylonitrile	5.07	41	86428	44.19	ug/l	98
42) 1,2-Dichloroethane	6.21	62	143045	47.62	ug/l	99
43) Isopropyl Acetate	6.48	43	261323	47.10	ug/l	98
44) Trichloroethene	7.22	130	109705	50.05	ug/l	95
45) 1,2-Dichloropropane	7.52	63	94919	48.94	ug/l #	89
46) Dibromomethane	7.67	93	74432	48.50	ug/l	98
47) Bromodichloromethane	7.91	83	135359	50.15	ug/l	98
48) Methyl methacrylate	7.79	41	126208	46.18	ug/l	99
49) 1,4-Dioxane	7.77	88	55808	899.61	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	966481	230.80	ug/l	98
52) Toluene	8.79	92	264024	50.30	ug/l	100
53) t-1,3-Dichloropropene	8.45	75	162298	51.02	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	161334	52.43	ug/l	96
55) 1,1,2-Trichloroethane	9.23	97	107165	50.41	ug/l	97
56) Ethyl methacrylate	9.19	69	168195	52.87	ug/l	98
57) 1,3-Dichloropropane	9.38	76	173552	48.62	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	381832	237.72	ug/l	98
59) 2-Hexanone	9.51	43	832124	233.05	ug/l	99
60) Dibromochloromethane	9.59	129	119351	53.25	ug/l	99
61) 1,2-Dibromoethane	9.68	107	122084	51.72	ug/l	98
64) Tetrachloroethene	9.34	164	111527	52.66	ug/l	99
65) Chlorobenzene	10.15	112	315348	51.59	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	111106	53.17	ug/l	100
67) Ethyl Benzene	10.26	91	533643	50.02	ug/l	99
68) m/p-Xylenes	10.37	106	425845	103.72	ug/l	99
69) o-Xylene	10.71	106	207790	52.65	ug/l	98
70) Styrene	10.72	104	353695	54.03	ug/l	98
71) Bromoform	10.87	173	97784	46.08	ug/l #	100
73) Isopropylbenzene	11.02	105	573126	48.67	ug/l	100
74) N-amyl acetate	6.48	43	261323	43.37	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	193943	46.98	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	171487m	45.48	ug/l	
77) Bromobenzene	11.26	156	151547	49.77	ug/l	96
78) n-propylbenzene	11.37	91	664377	47.93	ug/l	100
79) 2-Chlorotoluene	11.43	91	377750	48.31	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	489298	49.76	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.09	75	58563	47.56	ug/l	99
82) 4-Chlorotoluene	11.52	91	465438	48.96	ug/l	99
83) tert-Butylbenzene	11.78	119	483430	50.53	ug/l	98
84) 1,2,4-Trimethylbenzene	11.82	105	505488	49.99	ug/l	100
85) sec-Butylbenzene	11.96	105	604036	49.91	ug/l	99
86) p-Isopropyltoluene	12.07	119	550618	51.60	ug/l	99
87) 1,3-Dichlorobenzene	12.04	146	294758	50.92	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	301834	49.75	ug/l	99
89) n-Butylbenzene	12.40	91	510337	49.65	ug/l	99
90) Hexachloroethane	12.60	117	83827	48.75	ug/l	95
91) 1,2-Dichlorobenzene	12.40	146	292290	51.00	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	52718	45.47	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.66	180	217223	52.10	ug/l	99
94) Hexachlorobutadiene	13.79	225	83591	48.17	ug/l	98
95) Naphthalene	13.85	128	730947	50.24	ug/l	99
96) 1,2,3-Trichlorobenzene	14.03	180	213653	51.80	ug/l	98

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

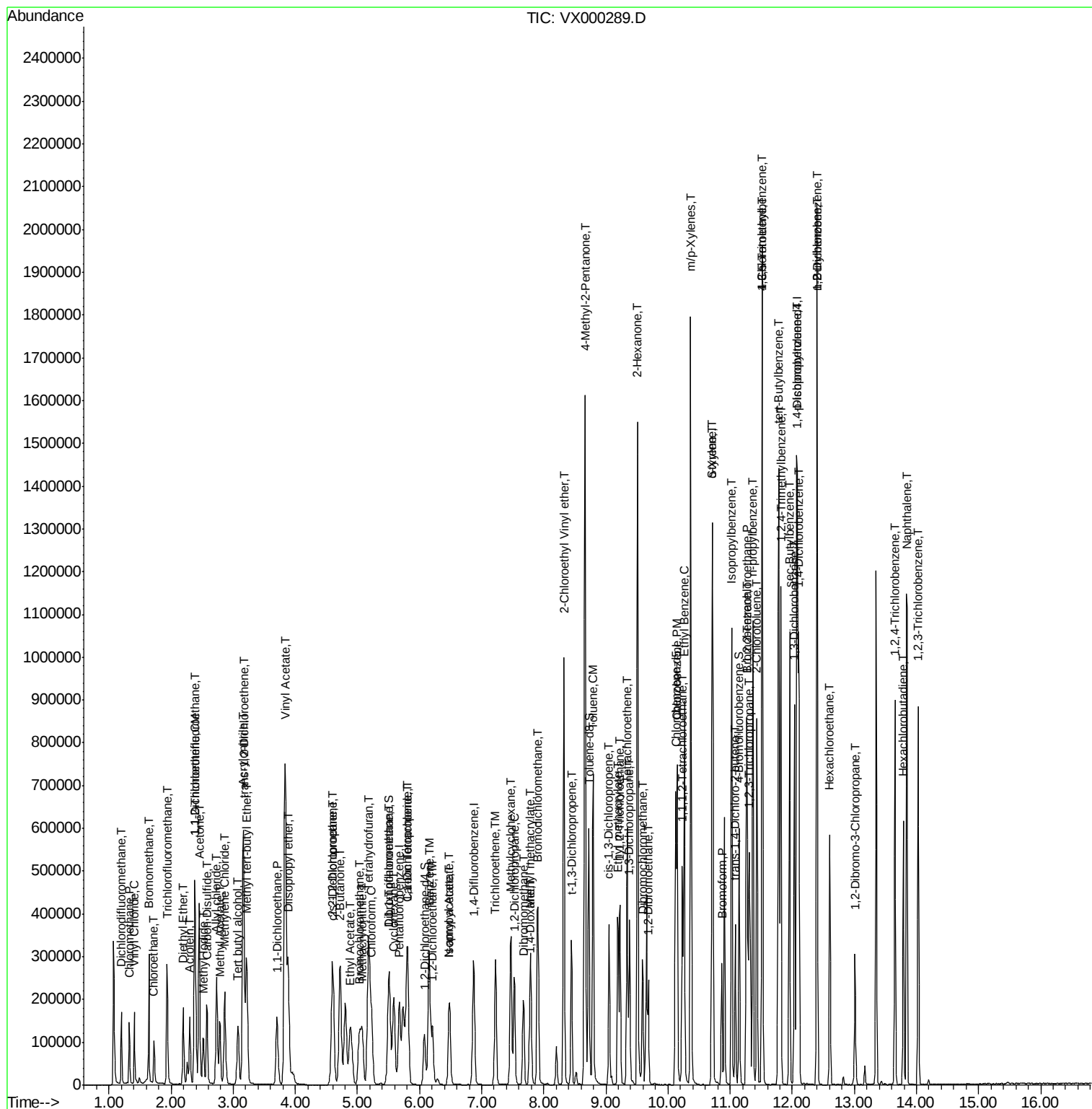
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Data Path : W:\HPCHEM1\MSVOA X\DATA\VX031318\  
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Operator  : JC/MD  
Sample    : VSTDCCC050  
Misc      : 5.0mL/MSVOA X/WATER  
ALS Vial  : 1      Sample Multiplier: 1
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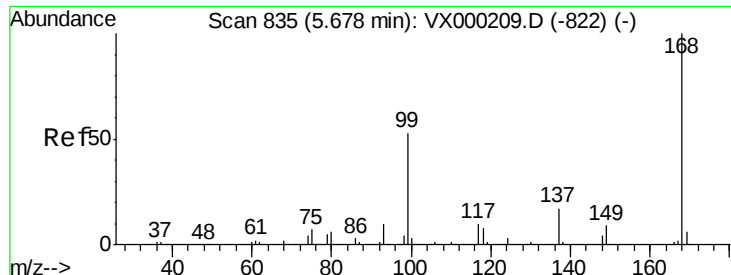
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.01 min

Lab File: VX000289.D

Acq: 13 Mar 2018 09:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 183389

Ion Ratio Lower Upper

168 100

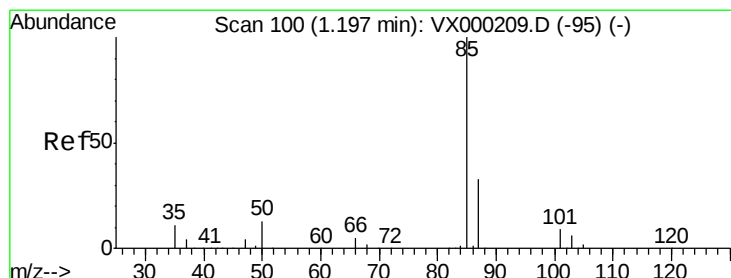
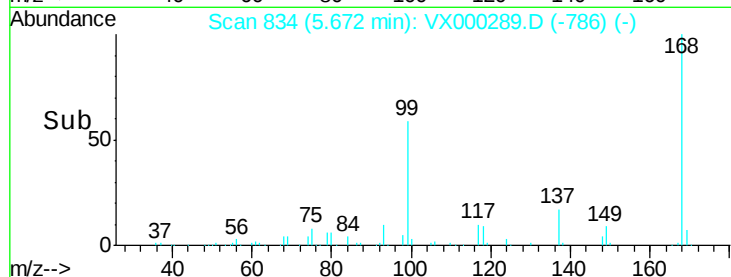
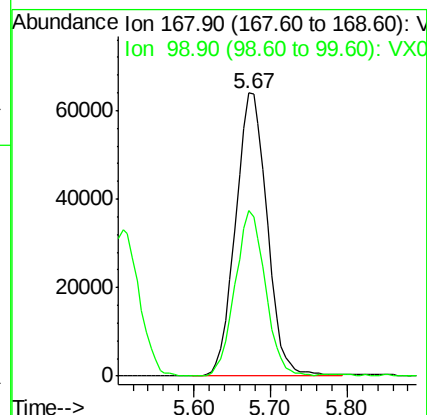
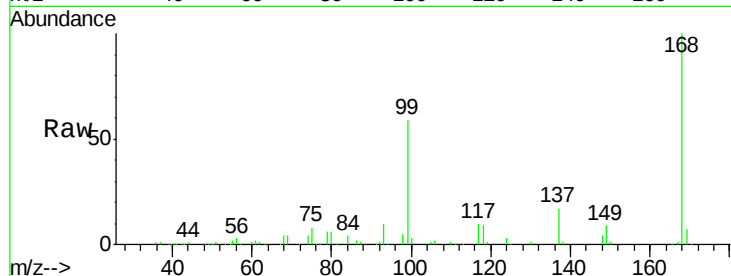
99 58.6 42.8 64.2

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 43.34 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX000289.D

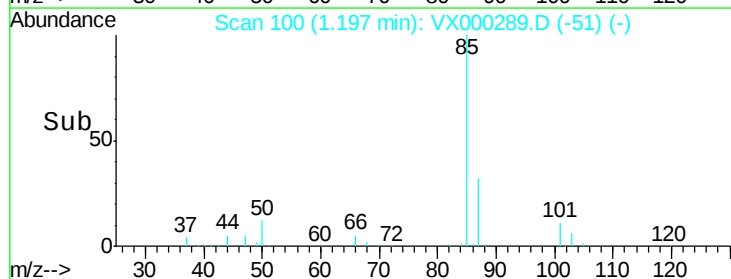
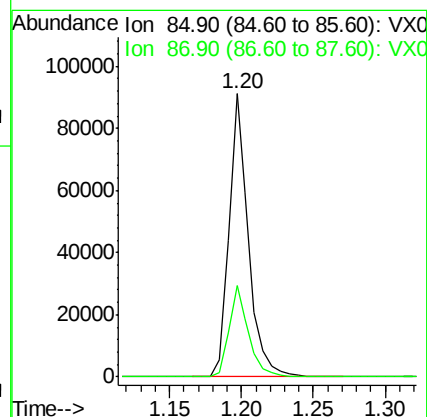
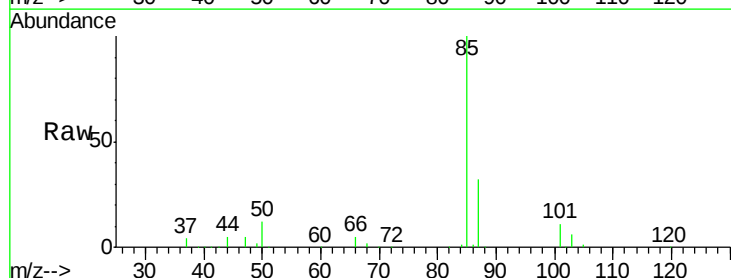
Acq: 13 Mar 2018 09:58

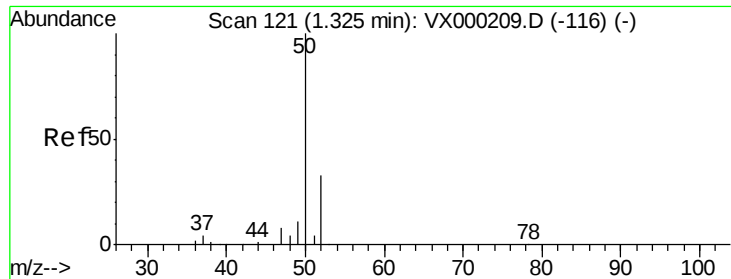
Tgt Ion: 85 Resp: 86612

Ion Ratio Lower Upper

85 100

87 32.4 16.7 50.0





#3

Chloromethane

Concen: 42.97 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX000289.D

Acq: 13 Mar 2018 09:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 83825

Ion Ratio Lower Upper

50 100

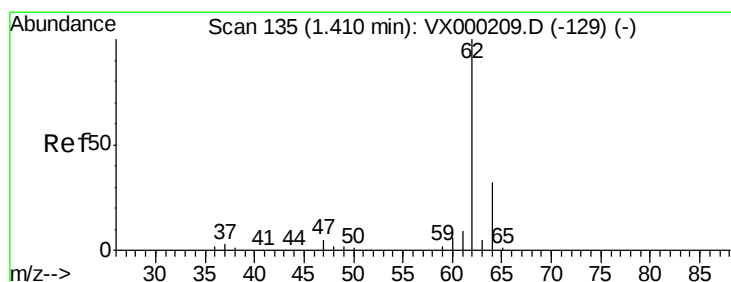
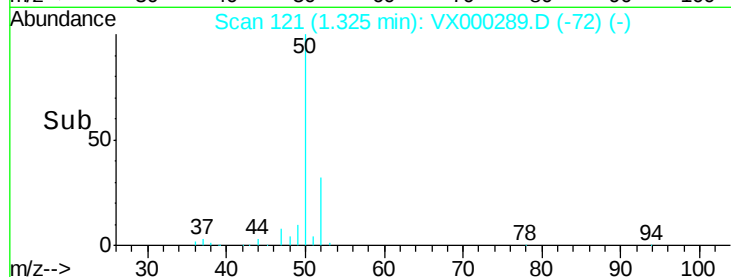
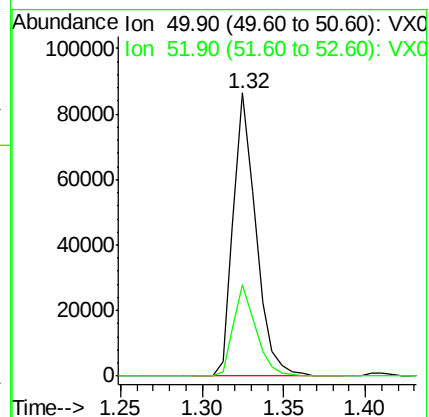
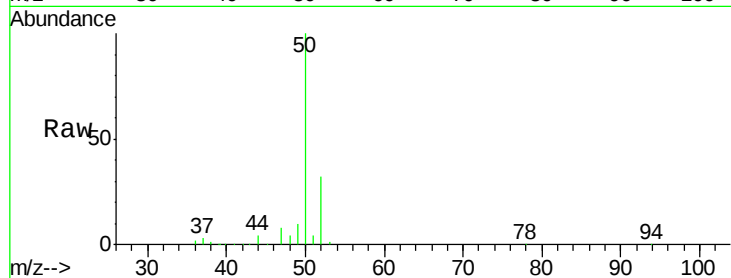
52 32.5 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 44.23 ug/l

RT: 1.41 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX000289.D

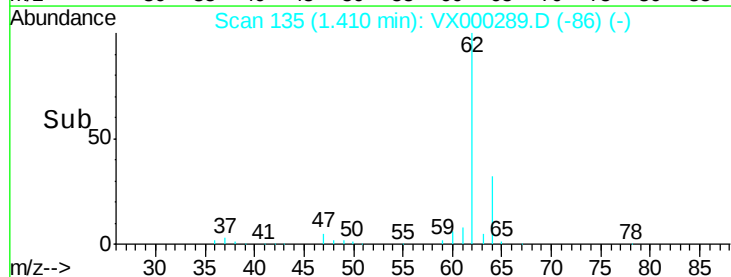
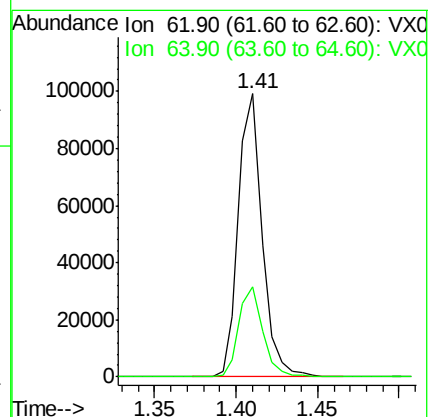
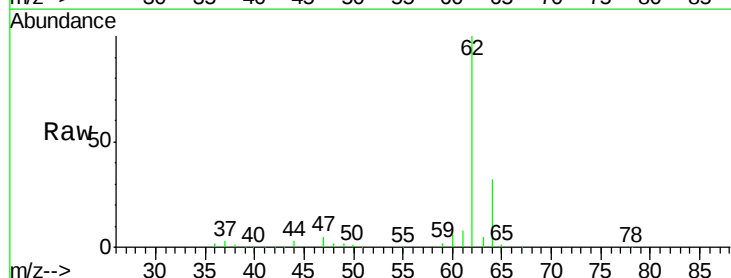
Acq: 13 Mar 2018 09:58

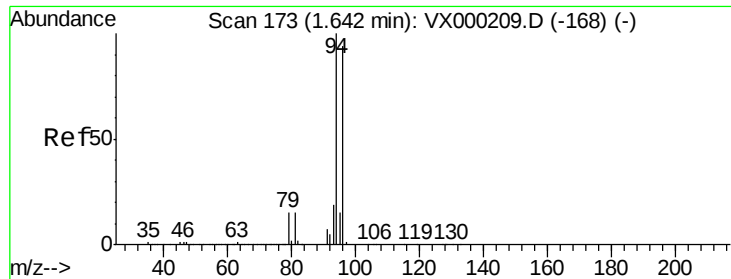
Tgt Ion: 62 Resp: 100568

Ion Ratio Lower Upper

62 100

64 31.7 25.7 38.5





#5

Bromomethane

Concen: 42.66 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.00 min

Lab File: VX000289.D

Acq: 13 Mar 2018 09:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 101372

Ion Ratio Lower Upper

94 100

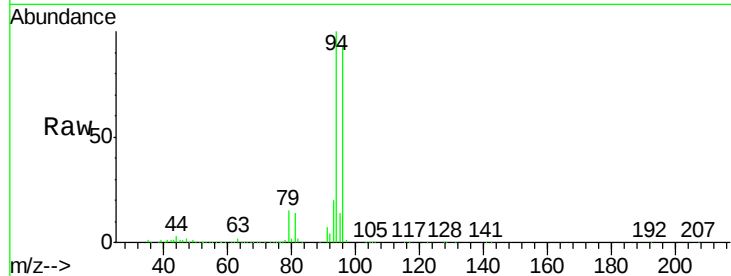
96 92.9 75.3 112.9

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

100000

80000

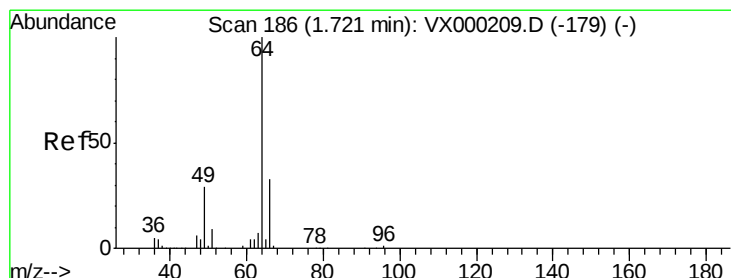
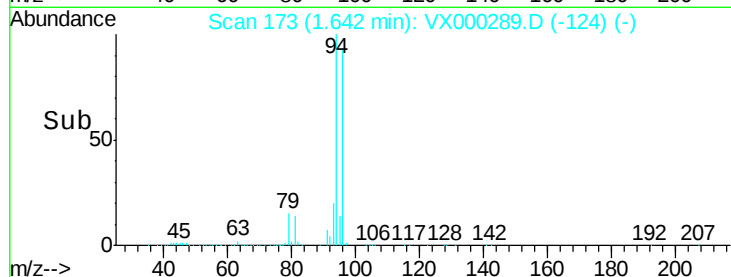
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 46.65 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.00 min

Lab File: VX000289.D

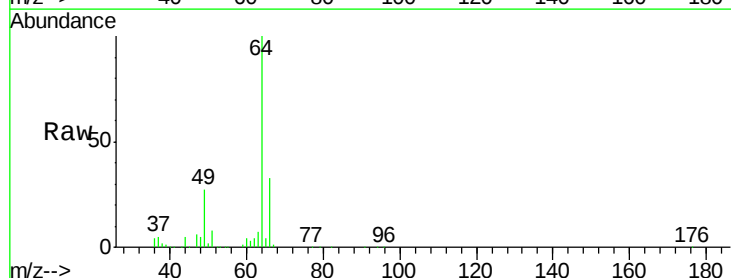
Acq: 13 Mar 2018 09:58

Tgt Ion: 64 Resp: 66159

Ion Ratio Lower Upper

64 100

66 33.2 26.2 39.4



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

50000

40000

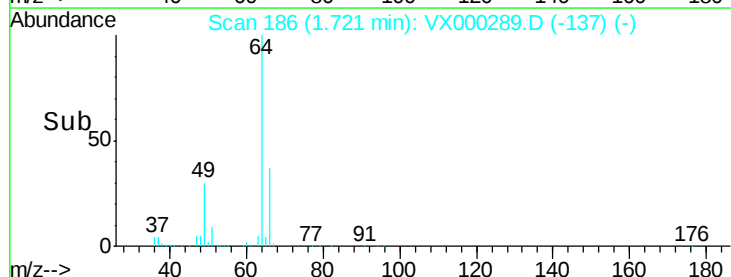
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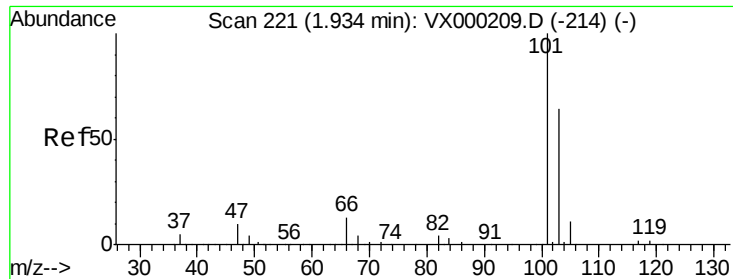
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10000

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Time-->





#7

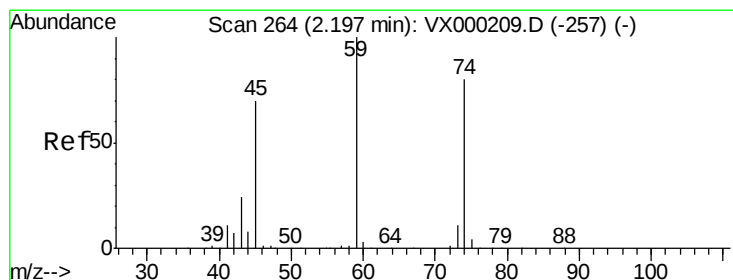
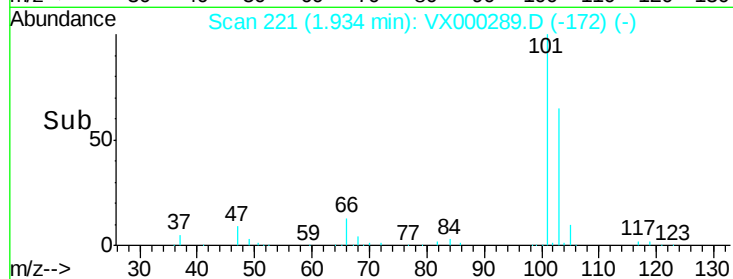
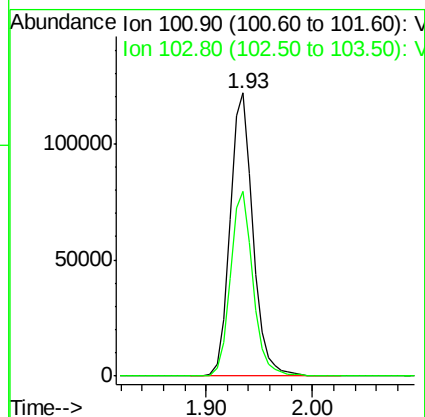
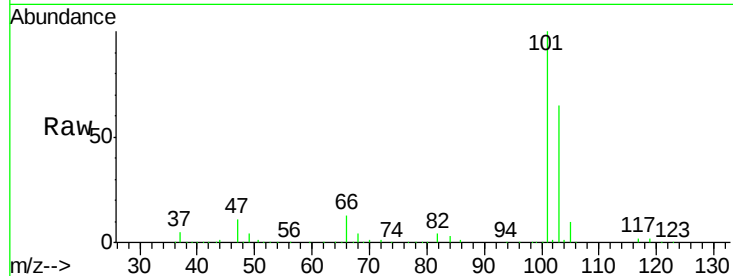
Trichlorofluoromethane
Concen: 48.49 ug/l
RT: 1.93 min Scan# 221
Delta R.T. -0.00 min
Lab File: VX000289.D
Acq: 13 Mar 2018 09:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 182886
Ion Ratio Lower Upper
101 100
103 65.5 51.2 76.8

Manual Integrations
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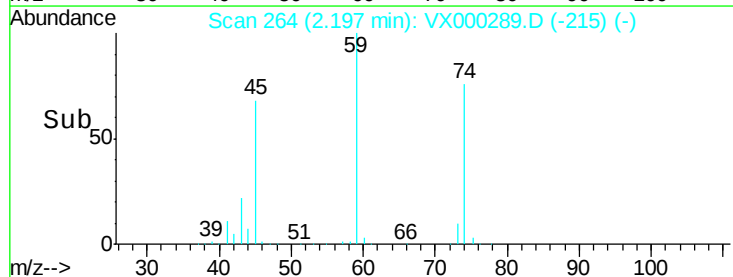
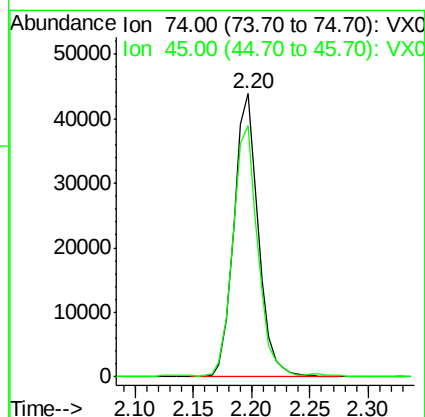
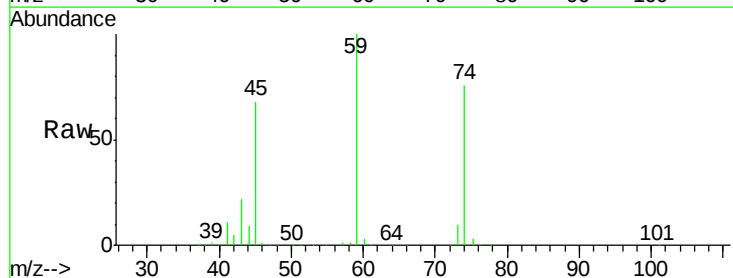
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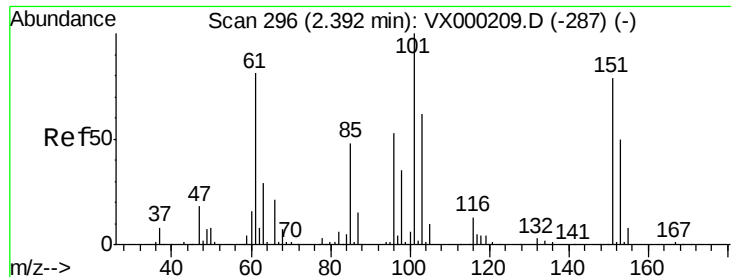


#8

Diethyl Ether
Concen: 46.20 ug/l
RT: 2.20 min Scan# 264
Delta R.T. -0.00 min
Lab File: VX000289.D
Acq: 13 Mar 2018 09:58

Tgt Ion: 74 Resp: 63960
Ion Ratio Lower Upper
74 100
45 89.6 47.2 141.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.44 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.01 min

Lab File: VX000289.D

Acq: 13 Mar 2018 09:58

Instrument :

MSVOA_X

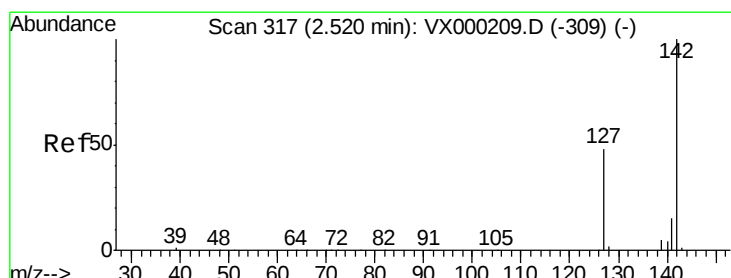
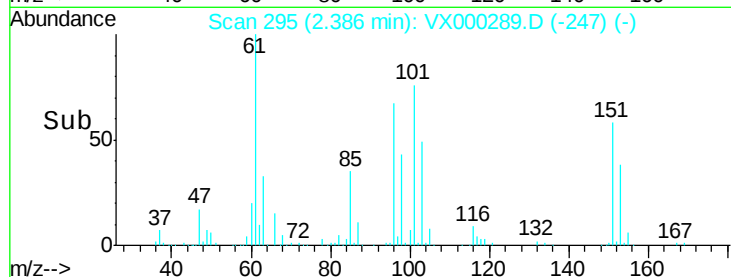
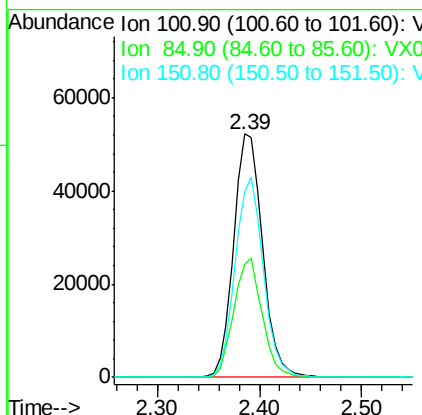
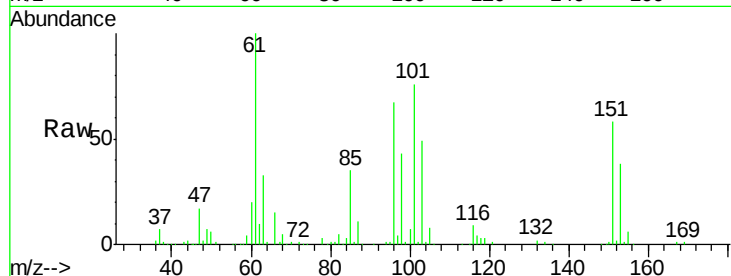
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	102054
Ion Ratio	Lower	Upper	
101	100		
85	48.0	38.3	57.5
151	80.6	62.8	94.2

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sam
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#10

Methyl Iodide

Concen: 48.09 ug/l

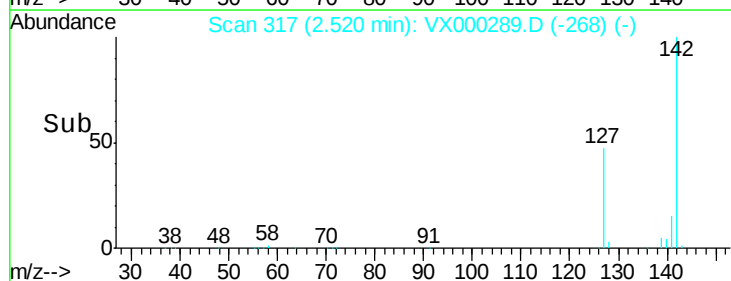
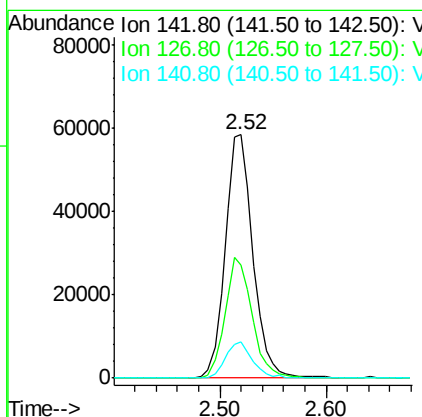
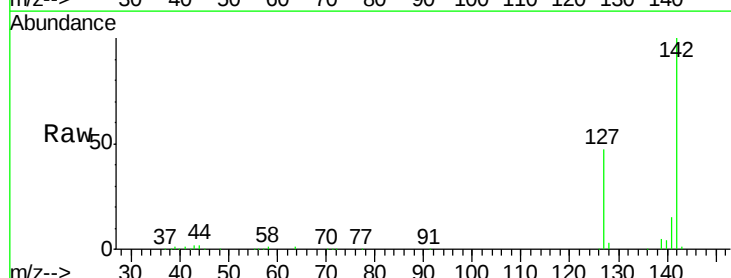
RT: 2.52 min Scan# 317

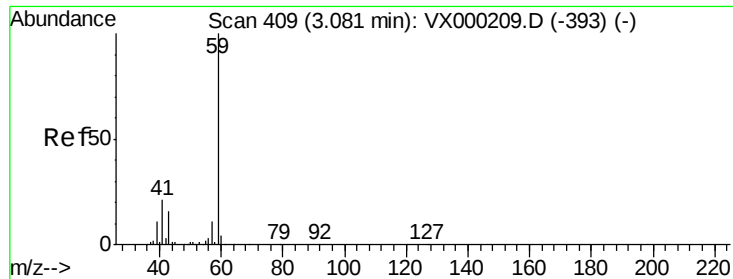
Delta R.T. 0.00 min

Lab File: VX000289.D

Acq: 13 Mar 2018 09:58

Tgt Ion:	142	Resp:	106053
Ion Ratio	Lower	Upper	
142	100		
127	48.5	39.0	58.6
141	14.8	11.6	17.4





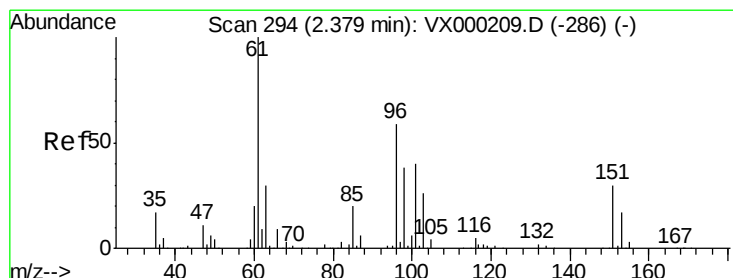
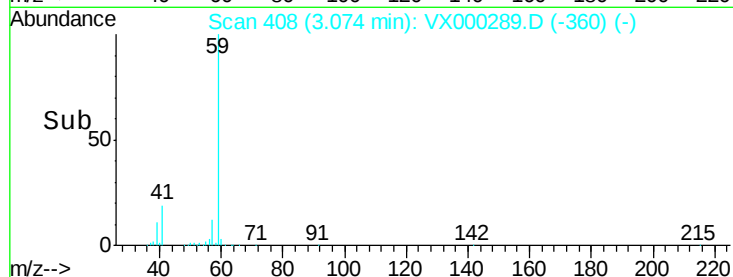
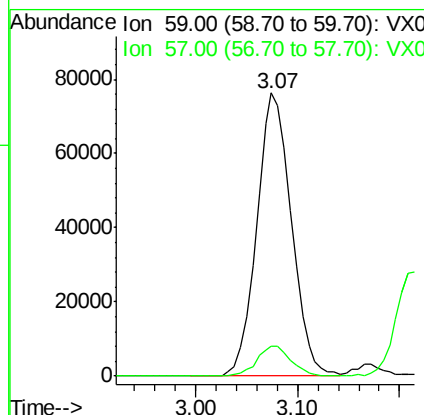
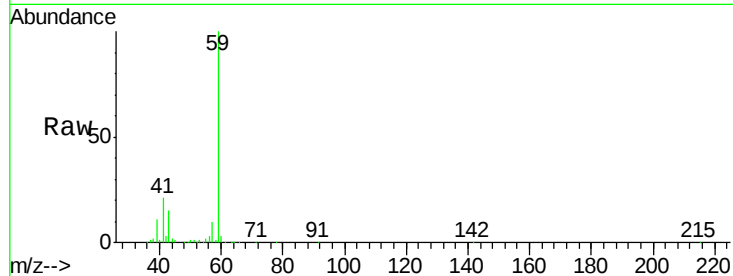
#11
Tert butyl alcohol
Concen: 193.00 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX000289.D
Acq: 13 Mar 2018 09:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 180286
Ion Ratio Lower Upper
59 100
57 10.3 8.4 12.6

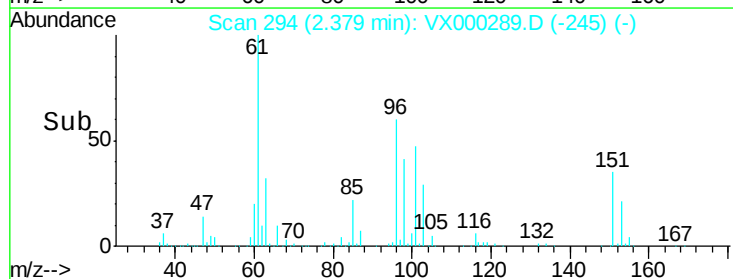
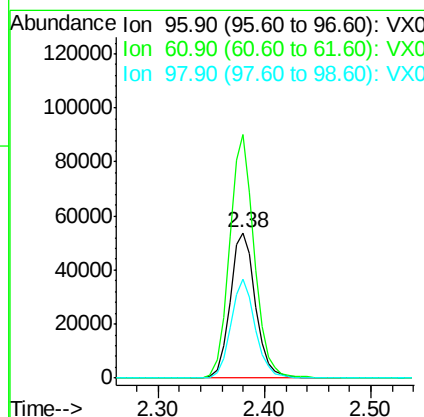
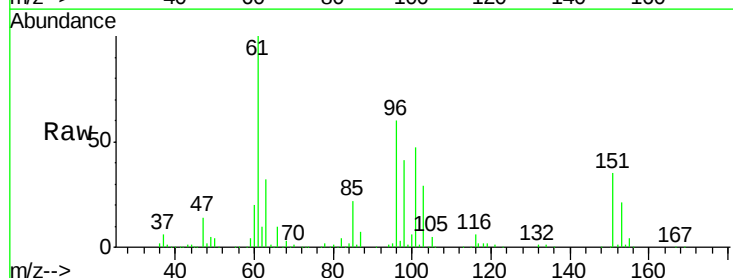
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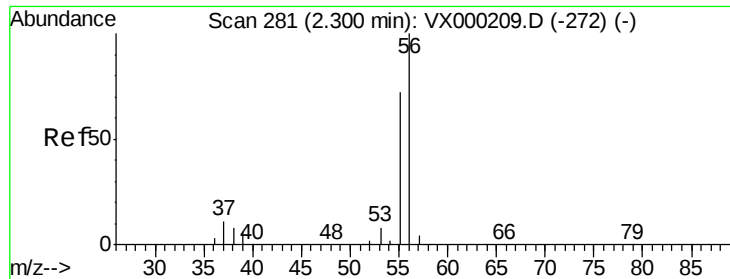
sam
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#12
1,1-Dichloroethene
Concen: 46.26 ug/l
RT: 2.38 min Scan# 294
Delta R.T. -0.00 min
Lab File: VX000289.D
Acq: 13 Mar 2018 09:58

Tgt Ion: 96 Resp: 89481
Ion Ratio Lower Upper
96 100
61 167.1 135.8 203.6
98 67.8 51.1 76.7





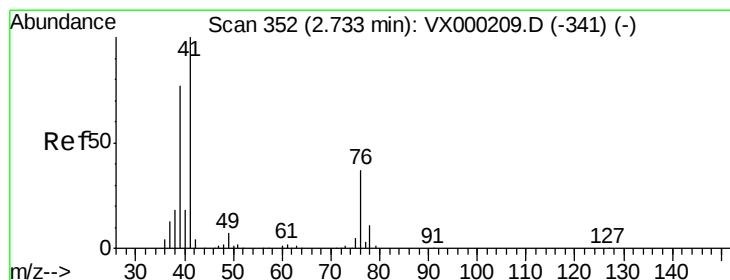
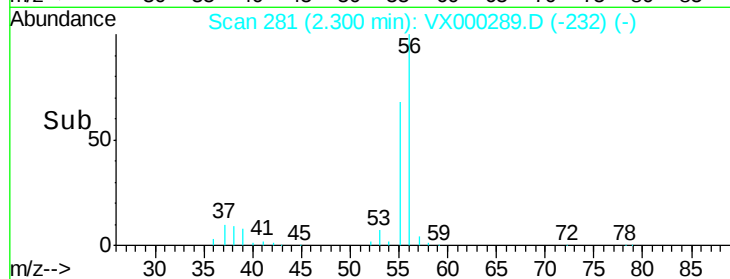
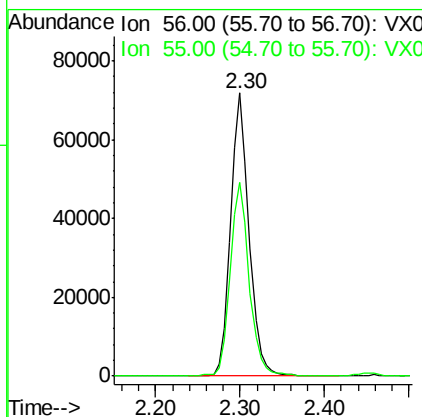
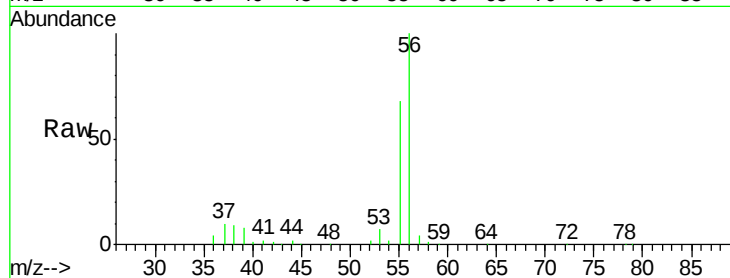
#13
Acrolein
Concen: 219.12 ug/l
RT: 2.30 min Scan# 281
Delta R.T. -0.00 min
Lab File: VX000289.D
Acq: 13 Mar 2018 09:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.0	59.2	88.8

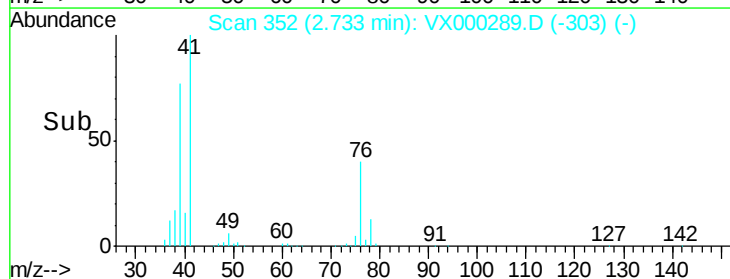
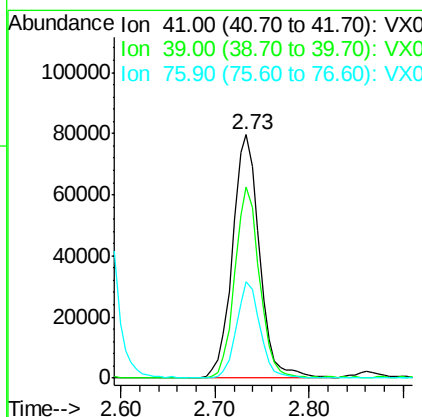
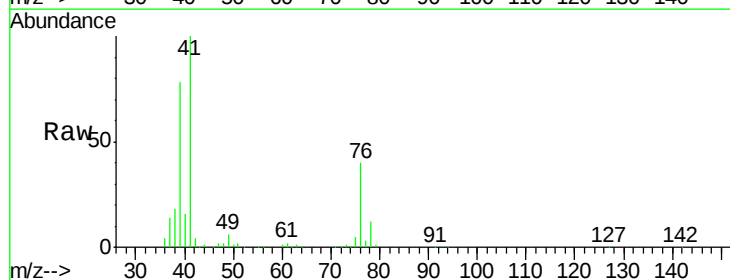
Manual Integrations
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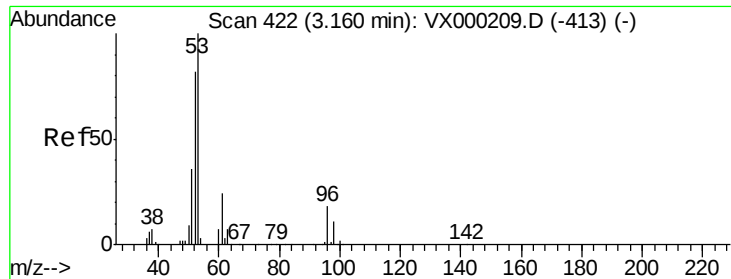
sam
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#14
Allyl chloride
Concen: 44.21 ug/l
RT: 2.73 min Scan# 352
Delta R.T. -0.00 min
Lab File: VX000289.D
Acq: 13 Mar 2018 09:58

Tgt Ion	Ratio	Lower	Upper
41	100		
39	71.6	57.0	85.6
76	34.4	26.8	40.2





#15

Acrylonitrile

Concen: 215.18 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.01 min

Lab File: VX000289.D

Acq: 13 Mar 2018 09:58

Instrument :

MSVOA_X

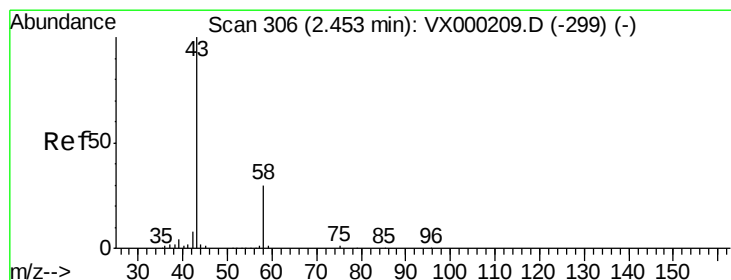
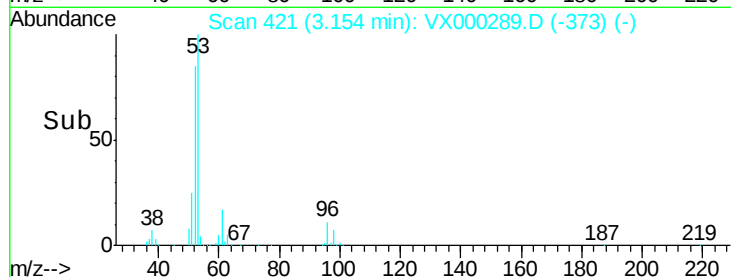
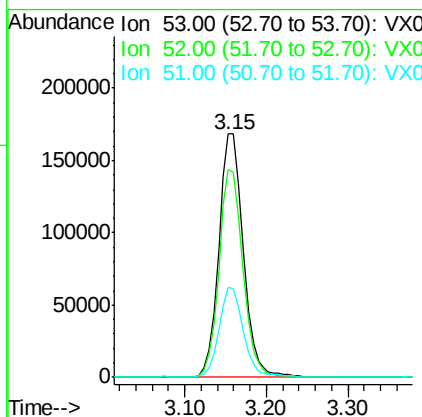
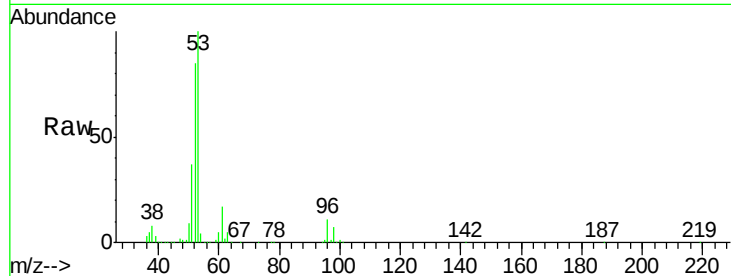
ClientSampled :

VSTDCCC050

Tot Ion:	53	Resp:	349794
Ion Ratio	Lower	Upper	
53	100		
52	83.9	66.3	99.5
51	37.2	29.6	44.4

Manual Integrations
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#16

Acetone

Concen: 239.93 ug/l

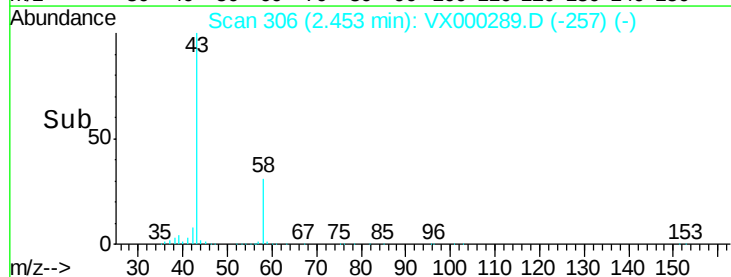
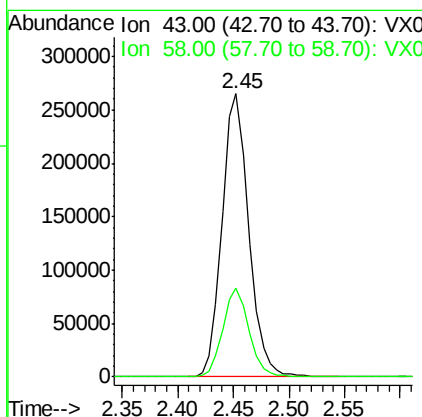
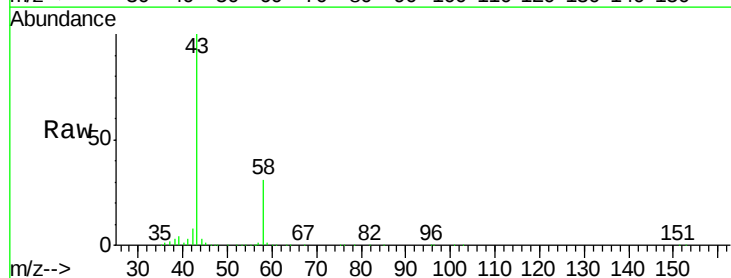
RT: 2.45 min Scan# 306

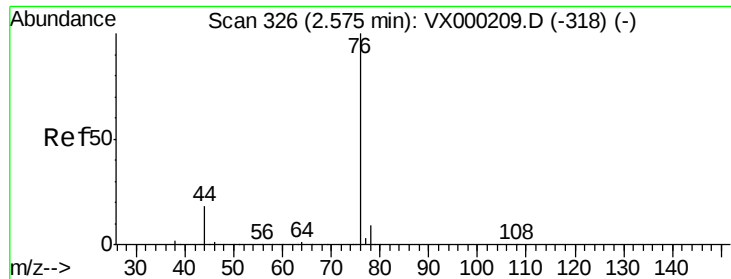
Delta R.T. -0.00 min

Lab File: VX000289.D

Acq: 13 Mar 2018 09:58

Tgt Ion:	43	Resp:	438036
Ion Ratio	Lower	Upper	
43	100		
58	31.3	23.8	35.6





#17

Carbon Disulfide

Concen: 42.46 ug/l

RT: 2.57 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX000289.D

Acq: 13 Mar 2018 09:58

Tot Ion: 76 Resp: 225017

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.6

Instrument :

MSVOA_X

ClientSampleId :

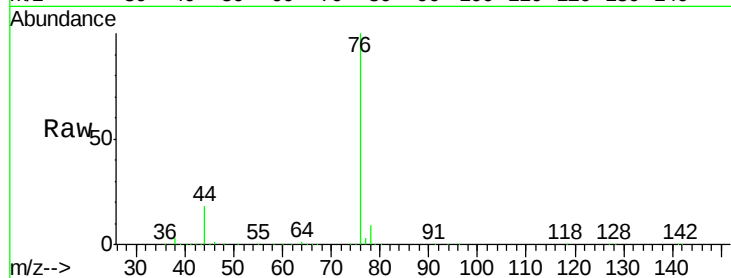
VSTDCCC050

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

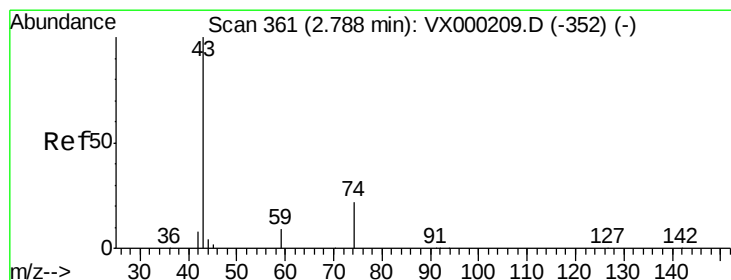
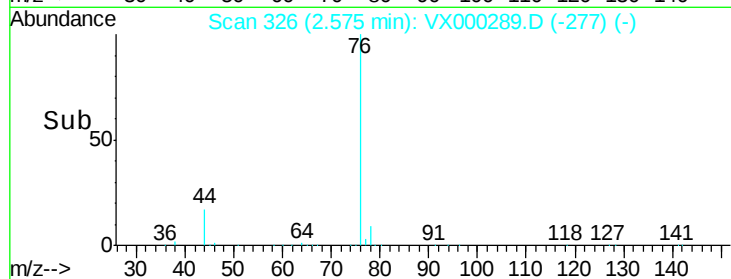
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 43.32 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.01 min

Lab File: VX000289.D

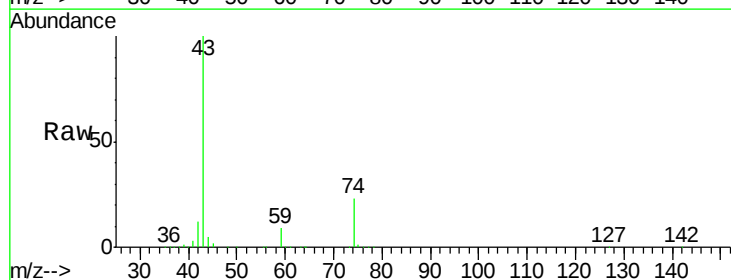
Acq: 13 Mar 2018 09:58

Tgt Ion: 43 Resp: 168409

Ion Ratio Lower Upper

43 100

74 24.5 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

100000

80000

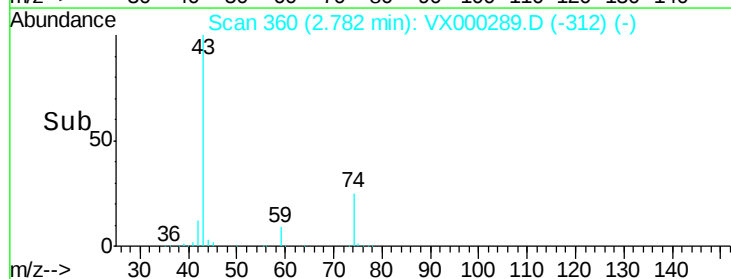
60000

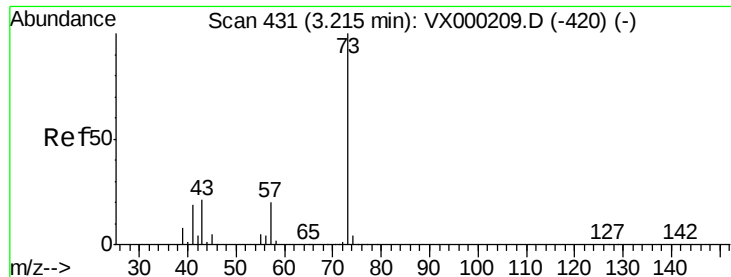
40000

20000

0

Time-->





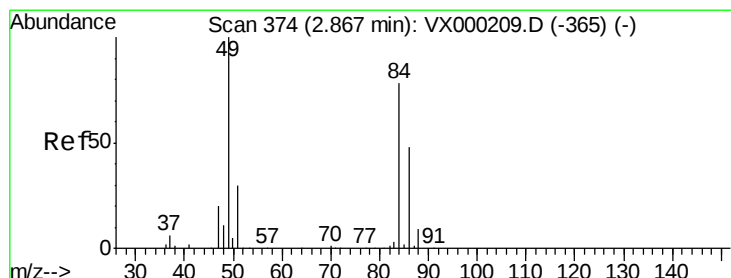
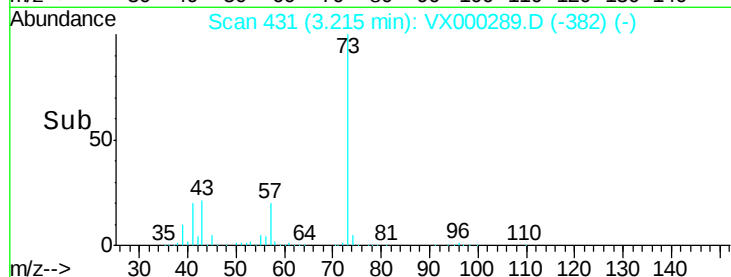
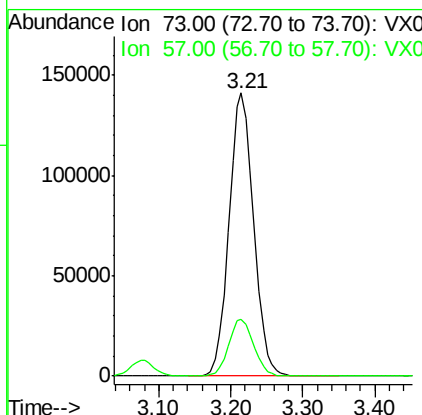
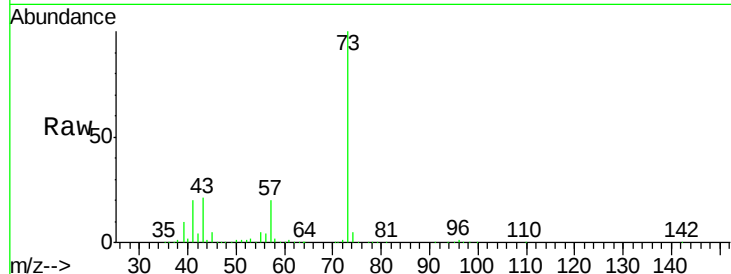
#19
Methvl tert-butvl Ether
Concen: 48.59 ug/l
RT: 3.21 min Scan# 431
Delta R.T. -0.00 min
Lab File: VX000289.D
Acq: 13 Mar 2018 09:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.9	16.3	24.5

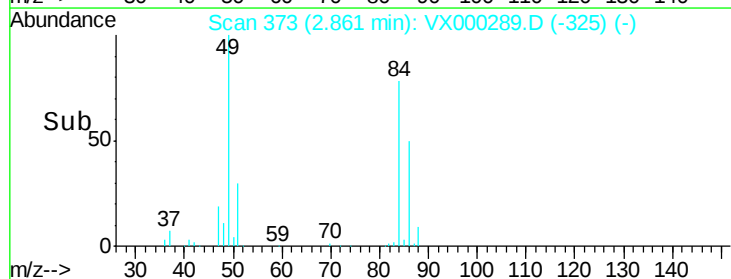
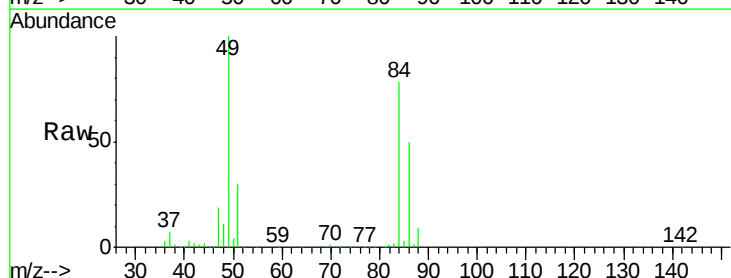
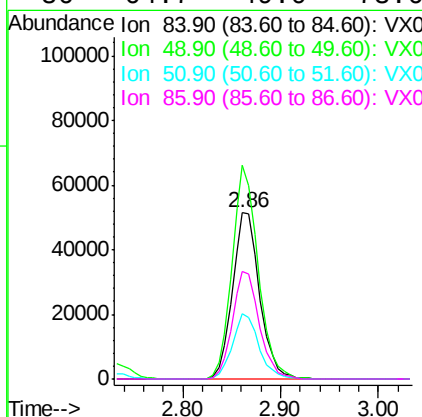
Manual Integrations
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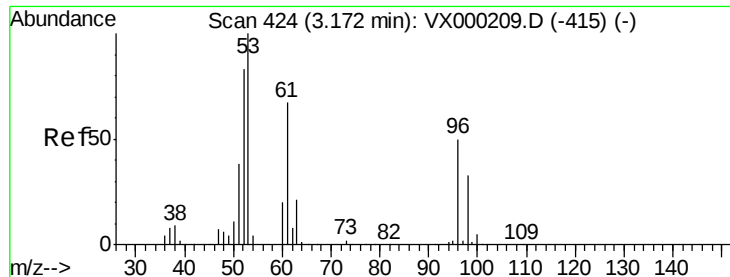
sam
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#20
Methylene Chloride
Concen: 45.46 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.01 min
Lab File: VX000289.D
Acq: 13 Mar 2018 09:58

Tgt Ion	Ratio	Lower	Upper
84	100		
49	128.8	102.1	153.1
51	39.0	30.6	45.8
86	64.7	49.0	73.6





#21

trans-1,2-Dichloroethene

Concen: 46.78 ug/l

RT: 3.17 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX000289.D

Acq: 13 Mar 2018 09:58

Instrument :

MSVOA_X

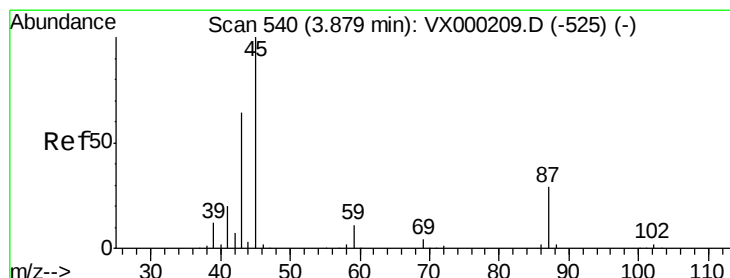
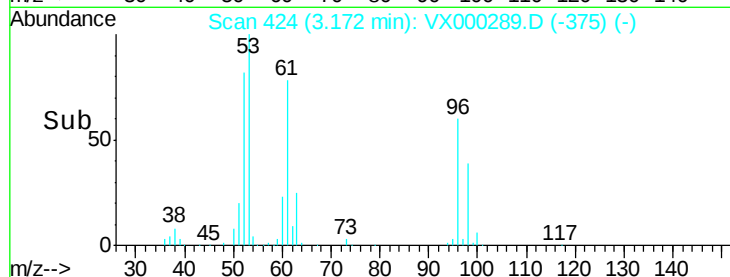
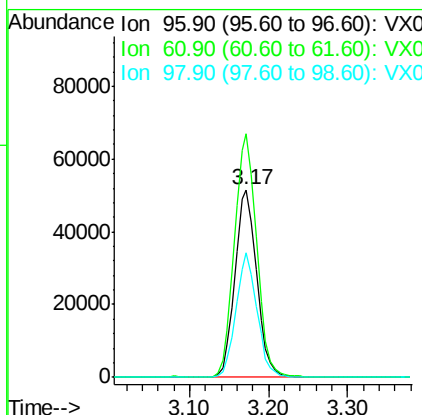
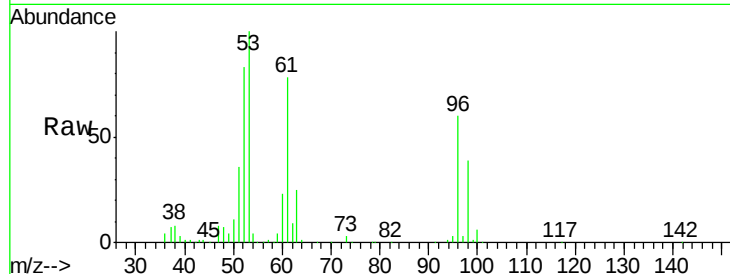
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	99510
Ion	Ratio	Lower	Upper
96	100		
61	129.4	107.0	160.4
98	66.0	51.8	77.8

Manual Integrations
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sam
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#22

Diisopropyl ether

Concen: 51.39 ug/l

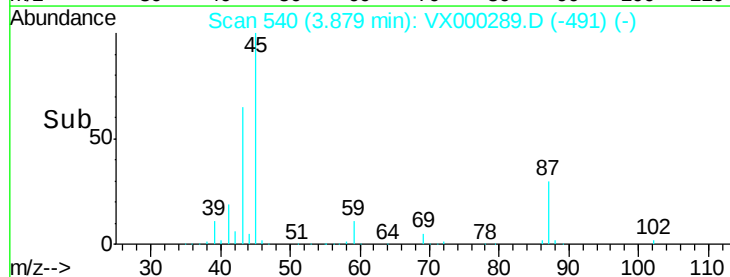
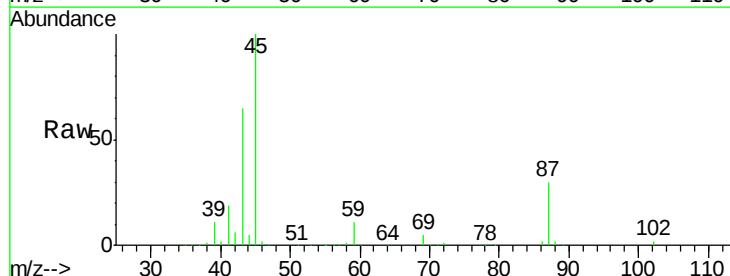
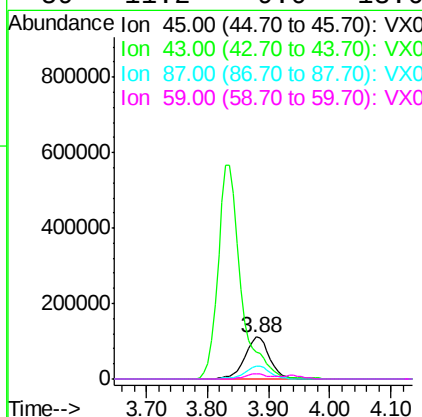
RT: 3.88 min Scan# 540

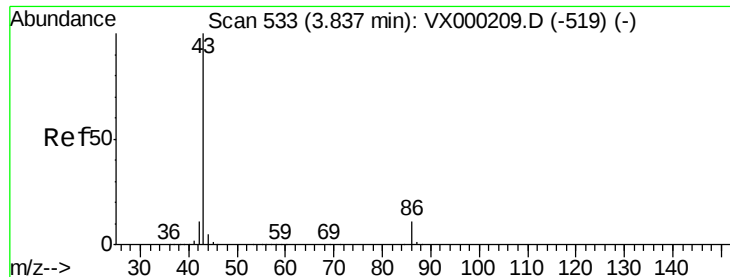
Delta R.T. -0.00 min

Lab File: VX000289.D

Acq: 13 Mar 2018 09:58

Tgt Ion:	45	Resp:	315340
Ion	Ratio	Lower	Upper
45	100		
43	64.7	53.5	80.3
87	29.7	23.3	34.9
59	11.2	9.0	13.6





#23

Vinyl Acetate

Concen: 251.25 ug/l

RT: 3.84 min Scan# 533

Delta R.T. -0.00 min

Lab File: VX000289.D

Acq: 13 Mar 2018 09:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1485763

Ion Ratio Lower Upper

43 100

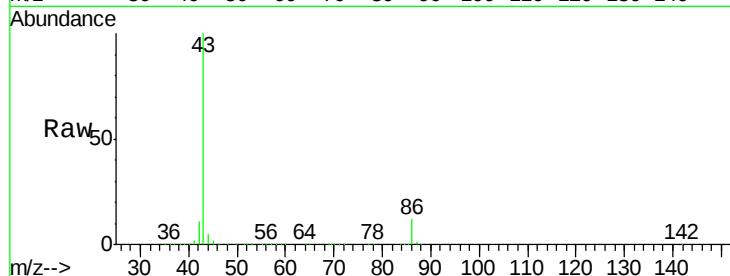
86 11.5 8.5 12.7

Manual Integrations

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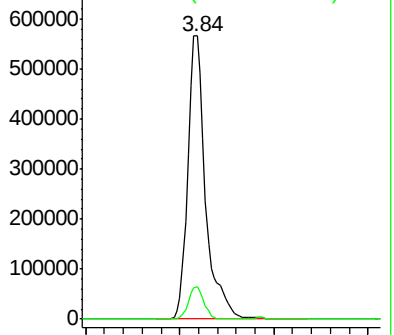
sam

3/14/2018 2:11:42 PM

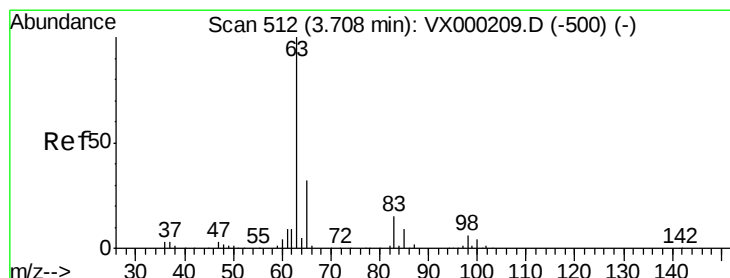
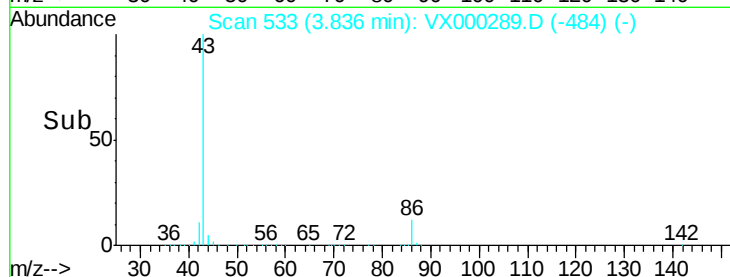


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



Time-->



#24

1,1-Dichloroethane

Concen: 46.21 ug/l

RT: 3.70 min Scan# 511

Delta R.T. -0.01 min

Lab File: VX000289.D

Acq: 13 Mar 2018 09:58

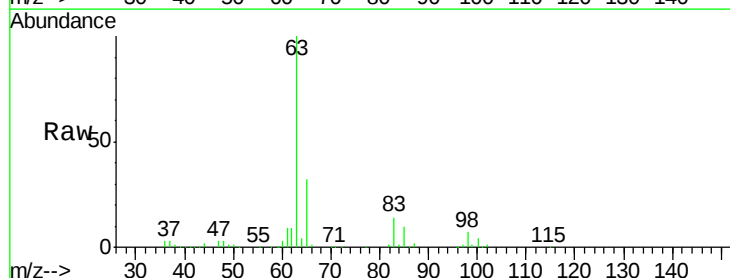
Tgt Ion: 63 Resp: 173799

Ion Ratio Lower Upper

63 100

98 7.2 3.1 9.4

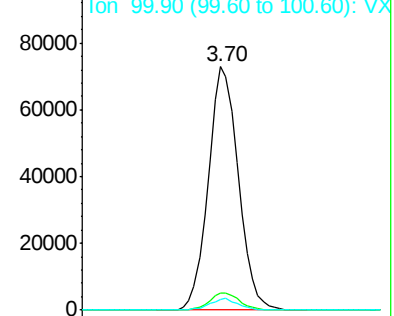
100 4.2 2.2 6.6



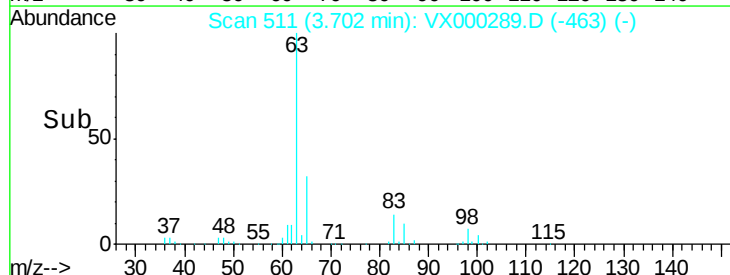
Abundance Ion 62.90 (62.60 to 63.60): VX0

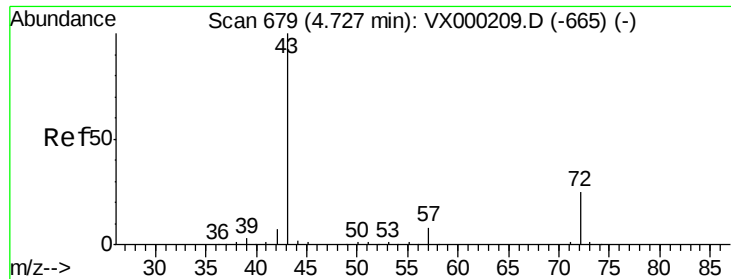
Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



Time-->





#25

2-Butanone

Concen: 220.79 ug/l

RT: 4.72 min Scan# 678

Delta R.T. -0.01 min

Lab File: VX000289.D

Acq: 13 Mar 2018 09:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 497455

Ion Ratio Lower Upper

43 100

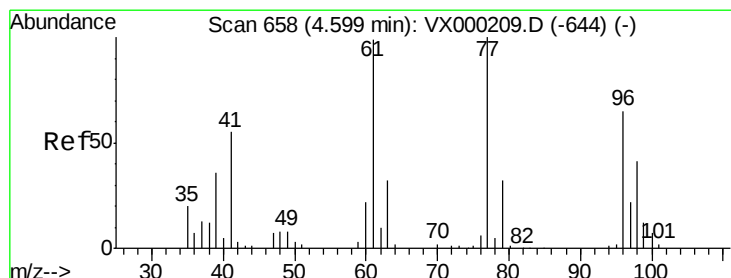
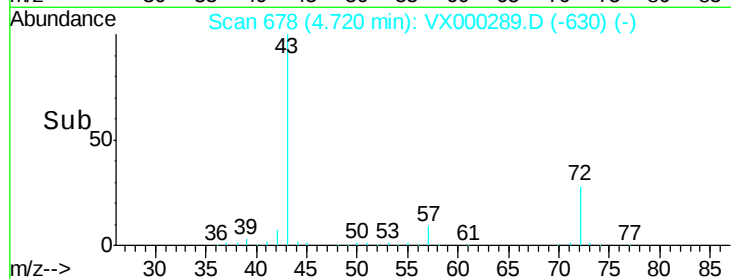
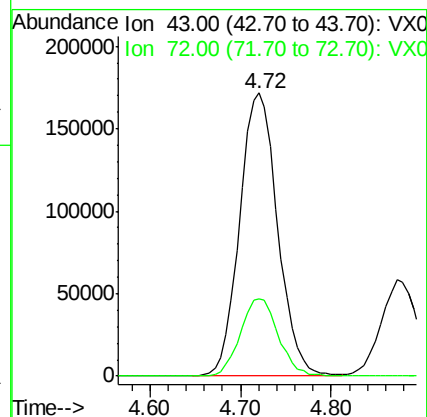
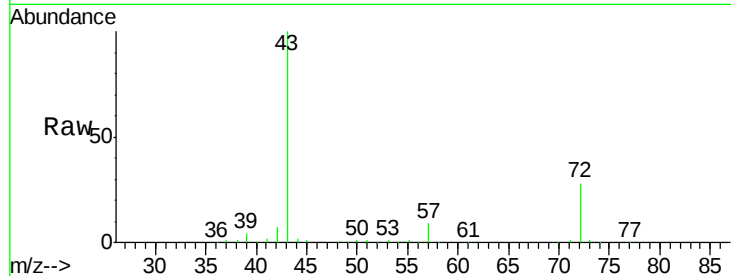
72 27.5 20.2 30.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 49.62 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.01 min

Lab File: VX000289.D

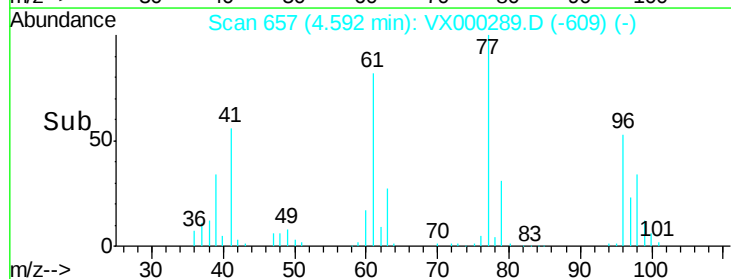
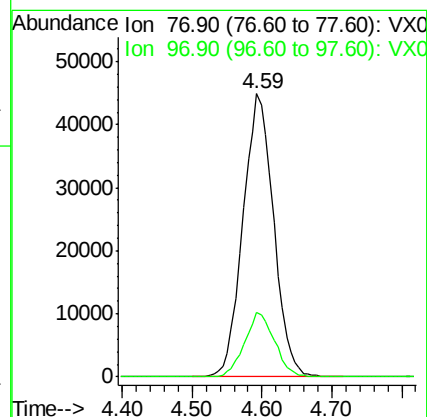
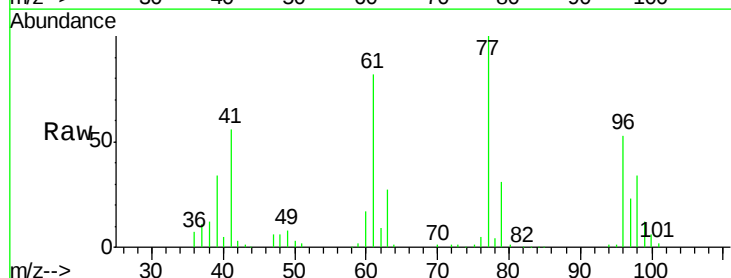
Acq: 13 Mar 2018 09:58

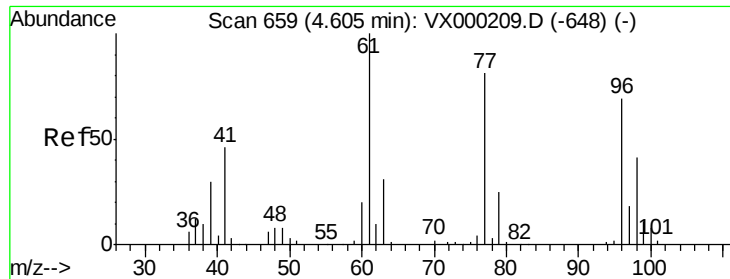
Tgt Ion: 77 Resp: 136410

Ion Ratio Lower Upper

77 100

97 22.1 11.4 34.1





#27

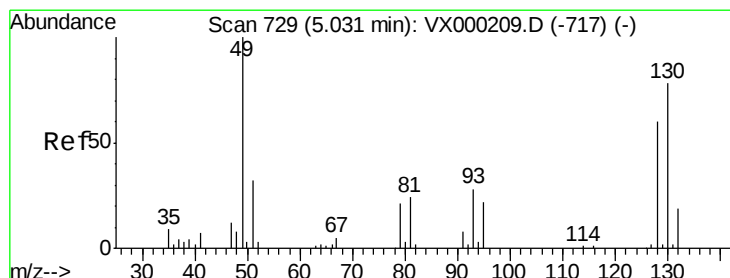
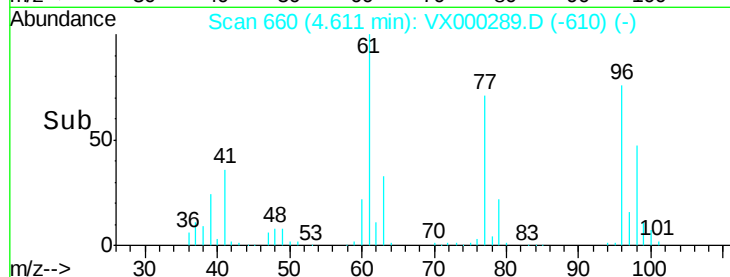
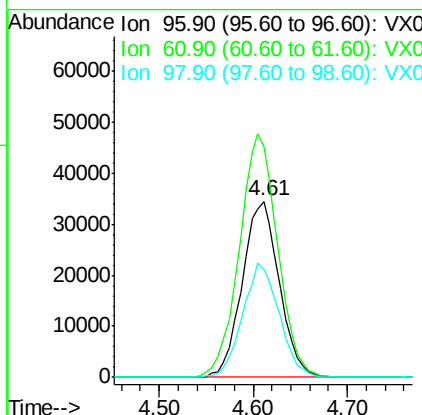
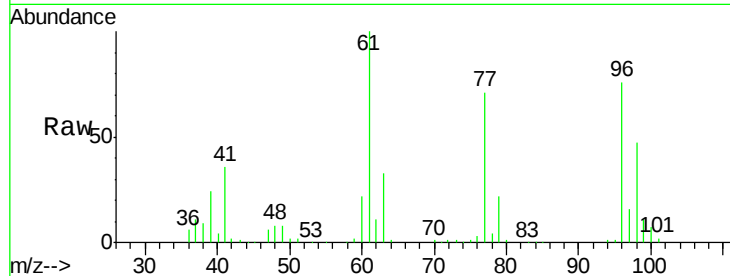
cis-1,2-Dichloroethene
Concen: 47.04 ug/l
RT: 4.61 min Scan# 660
Delta R.T. 0.01 min
Lab File: VX000289.D
Acq: 13 Mar 2018 09:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.9	0.0	296.4
98	64.2	0.0	130.6

Manual Integrations
APPROVED

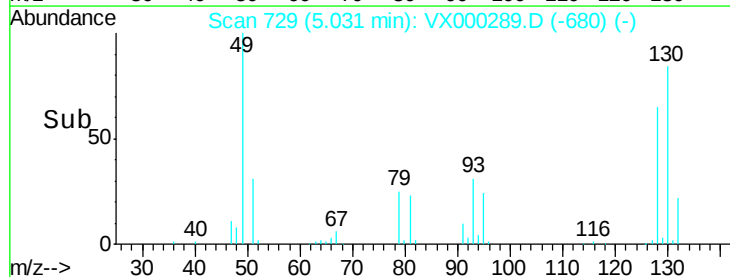
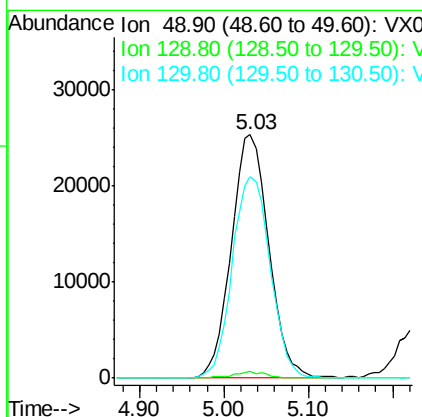
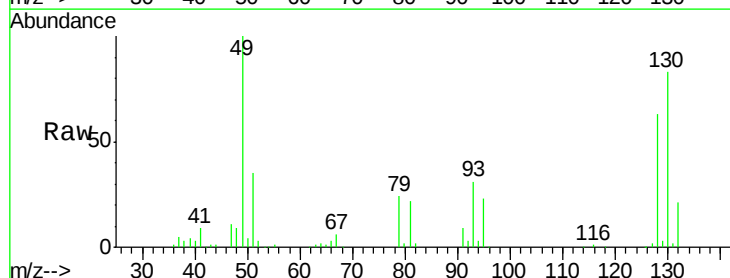
sam
3/14/2018 2:11:42 PM

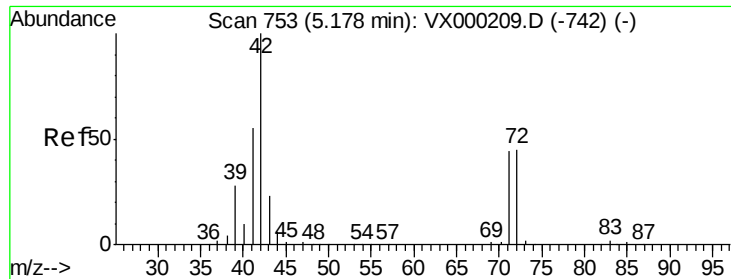


#28

Bromochloromethane
Concen: 47.68 ug/l
RT: 5.03 min Scan# 729
Delta R.T. -0.00 min
Lab File: VX000289.D
Acq: 13 Mar 2018 09:58

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	5.0
130	83.8	63.5	95.3





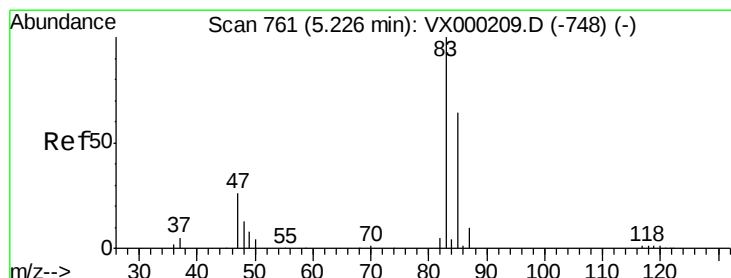
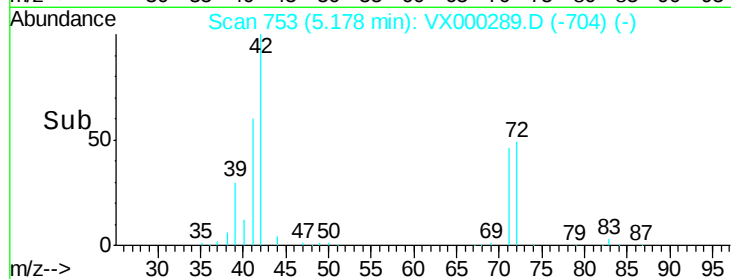
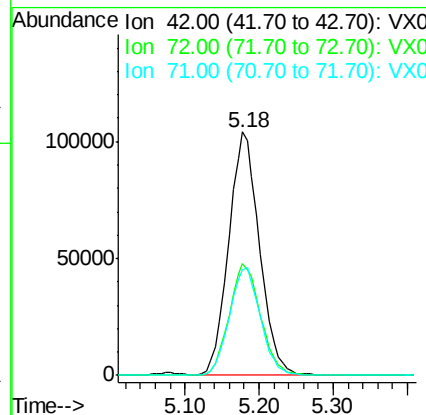
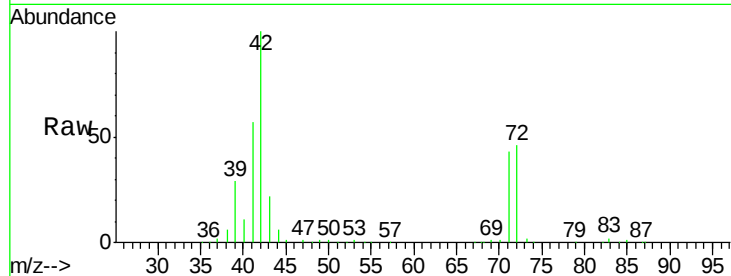
#29
Tetrahydrofuran
Concen: 211.38 ug/l
RT: 5.18 min Scan# 753
Delta R.T. -0.00 min
Lab File: VX000289.D
Acq: 13 Mar 2018 09:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.1	37.3	55.9
71	44.6	35.0	52.4

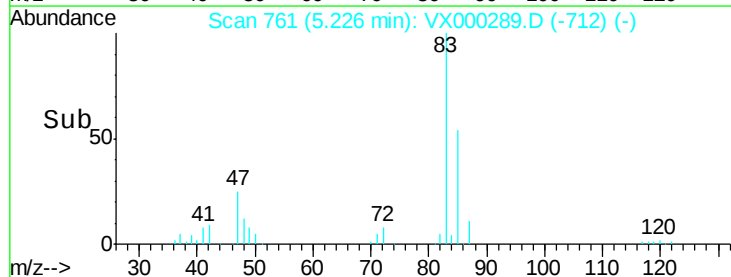
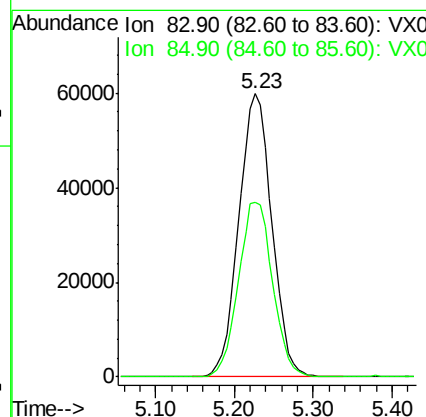
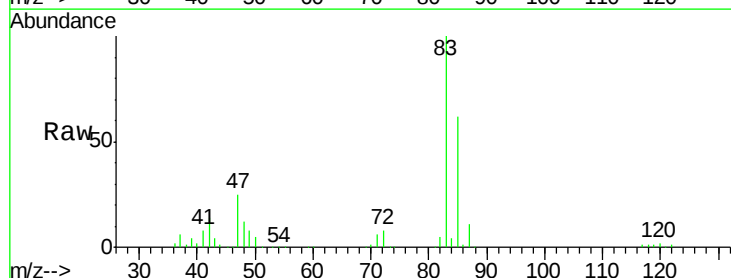
Manual Integrations
APPROVED

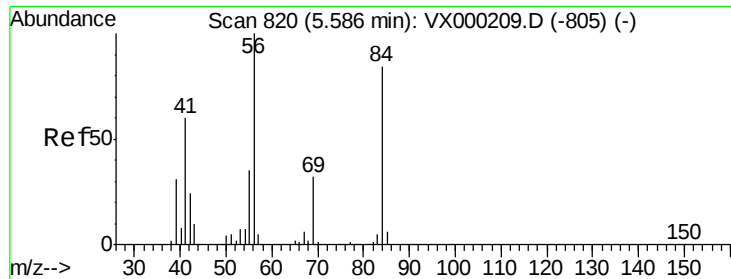
sam
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#30
Chloroform
Concen: 47.93 ug/l
RT: 5.23 min Scan# 761
Delta R.T. -0.00 min
Lab File: VX000289.D
Acq: 13 Mar 2018 09:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.6	51.0	76.6





#31

Cyclohexane

Concen: 48.13 ug/l

RT: 5.59 min Scan# 820

Delta R.T. -0.00 min

Lab File: VX000289.D

Acq: 13 Mar 2018 09:58

Instrument :

MSVOA_X

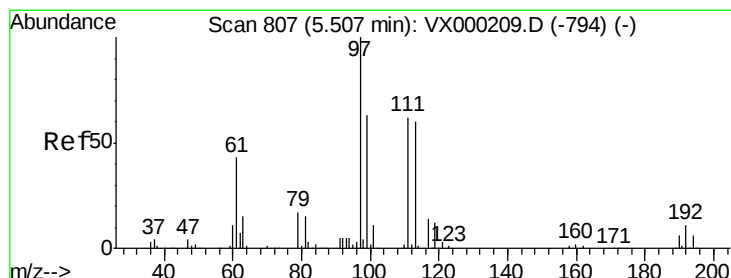
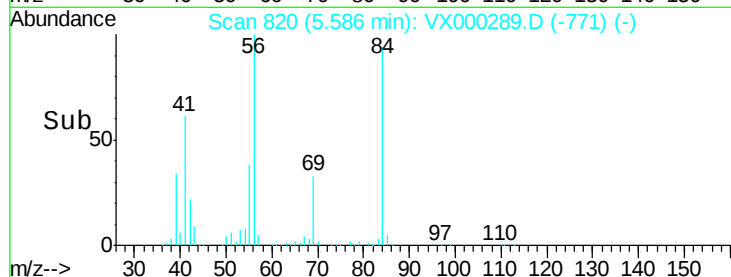
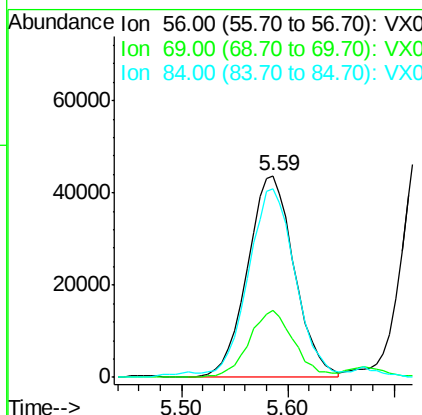
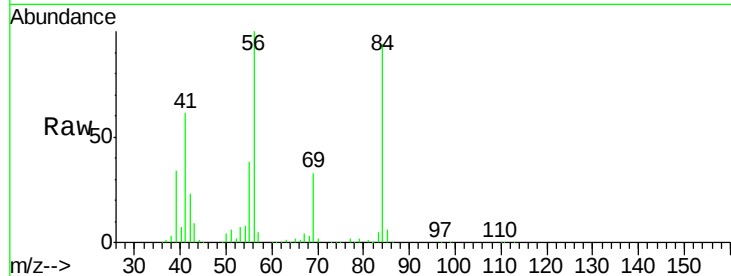
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	133879
Ion	Ratio	Lower	Upper
56	100		
69	32.9	25.3	37.9
84	91.2	67.2	100.8

Manual Integrations
APPROVED

sam
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#32

1,1,1-Trichloroethane

Concen: 50.01 ug/l

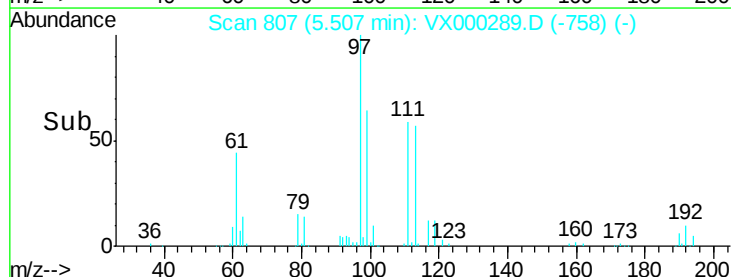
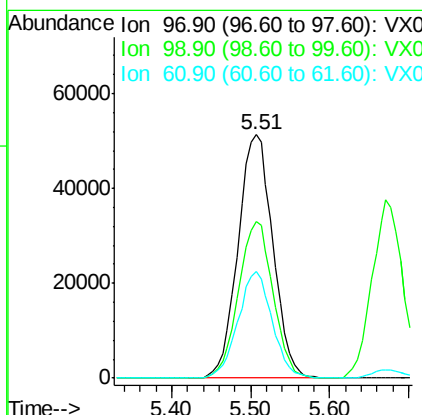
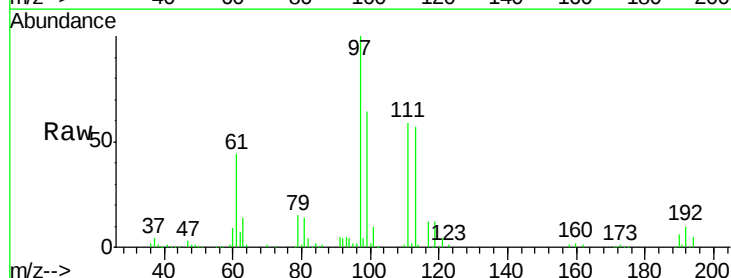
RT: 5.51 min Scan# 807

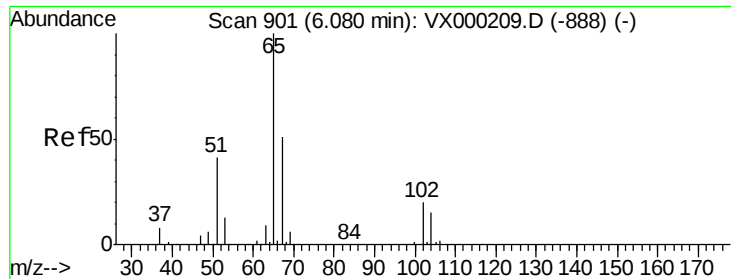
Delta R.T. -0.00 min

Lab File: VX000289.D

Acq: 13 Mar 2018 09:58

Tgt Ion:	97	Resp:	157678
Ion	Ratio	Lower	Upper
97	100		
99	63.6	50.9	76.3
61	42.9	35.4	53.0





#33

1,2-Dichloroethane-d4

Concen: 43.80 ug/l

RT: 6.08 min Scan# 901

Delta R.T. -0.00 min

Lab File: VX000289.D

Acq: 13 Mar 2018 09:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 111347

Ion Ratio Lower Upper

65 100

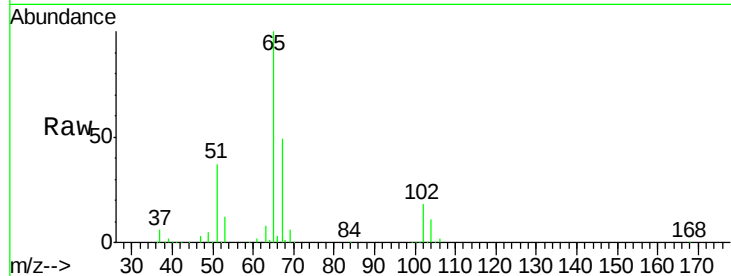
67 50.7 0.0 103.4

Manual Integrations

APPROVED

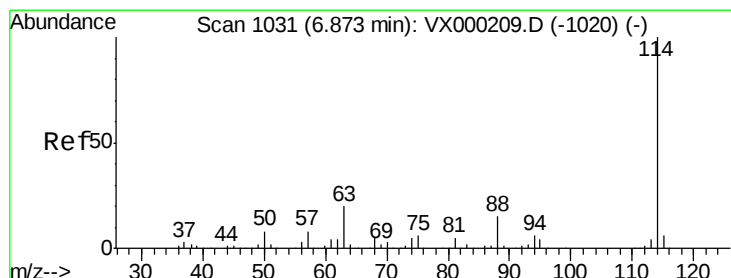
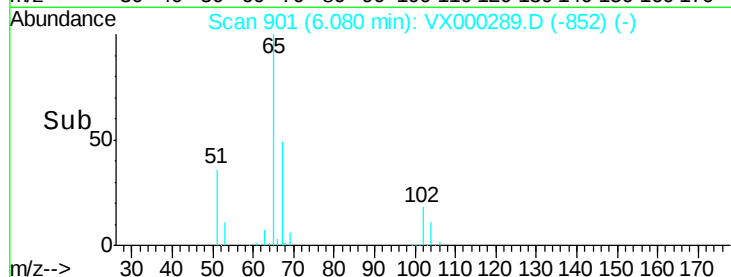
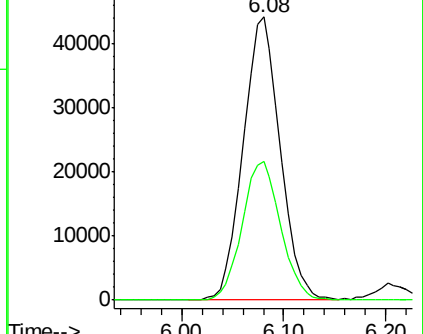
sam

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VX000289.D

Acq: 13 Mar 2018 09:58

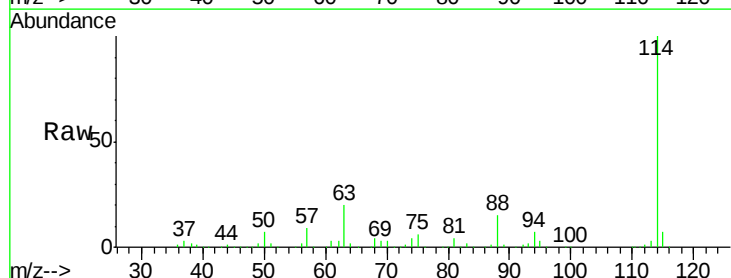
Tgt Ion: 114 Resp: 298416

Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.2

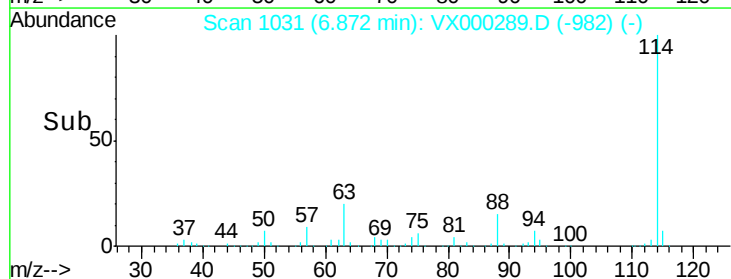
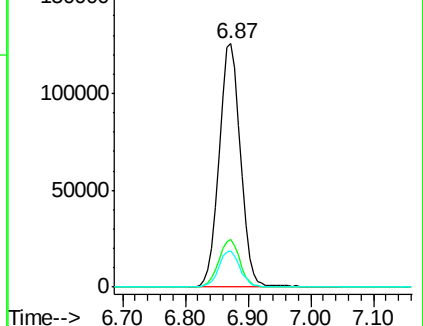
88 15.1 0.0 29.8

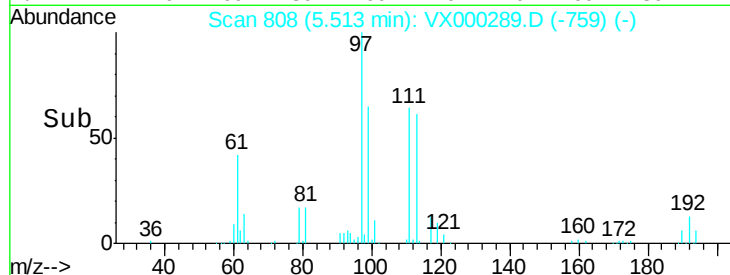
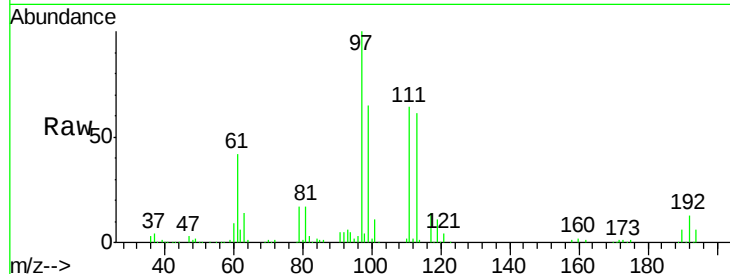
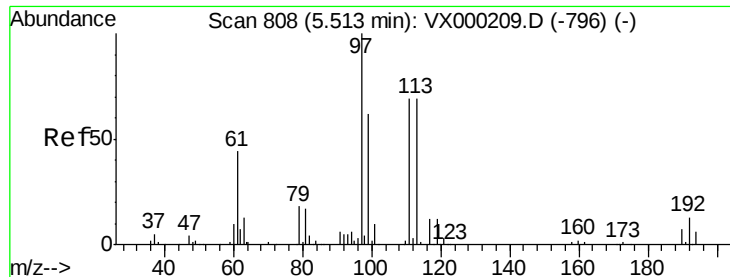


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





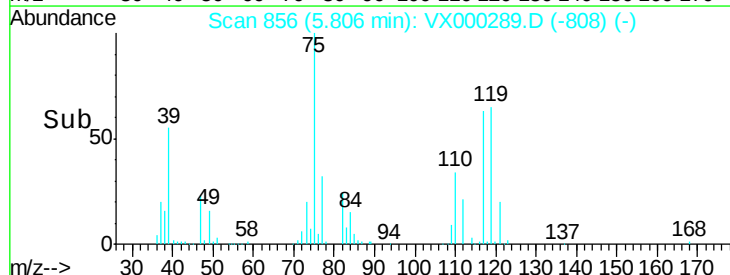
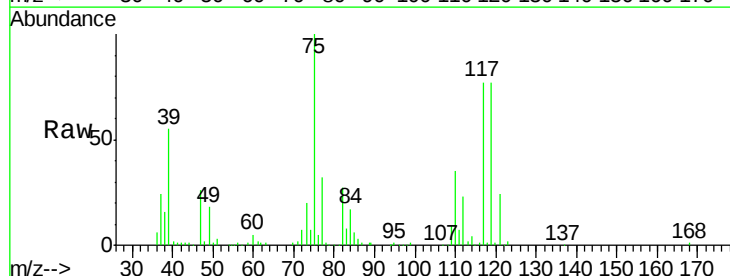
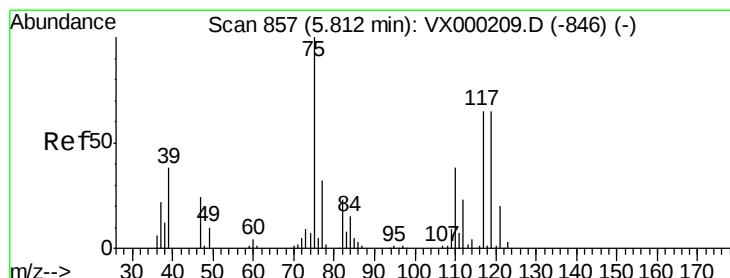
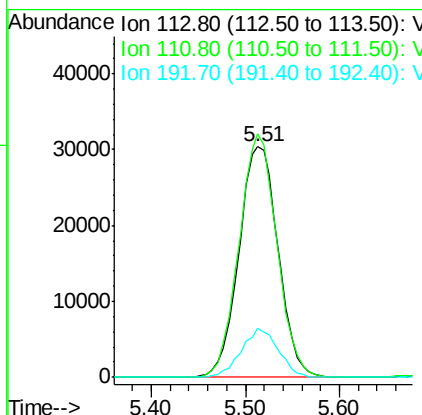
#35
Dibromofluoromethane
Concen: 47.22 ug/l
RT: 5.51 min Scan# 808
Delta R.T. -0.00 min
Lab File: VX000289.D
Acq: 13 Mar 2018 09:58

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.0	83.0	124.6	
192	20.0	15.5	23.3	

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

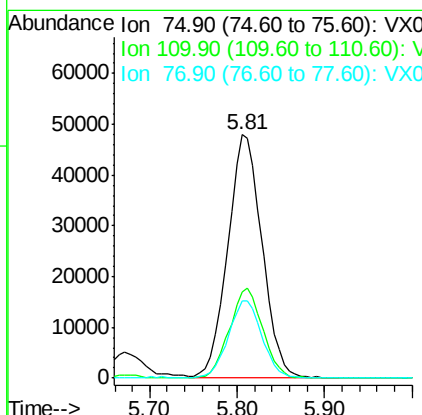
Manual Integrations
APPROVED

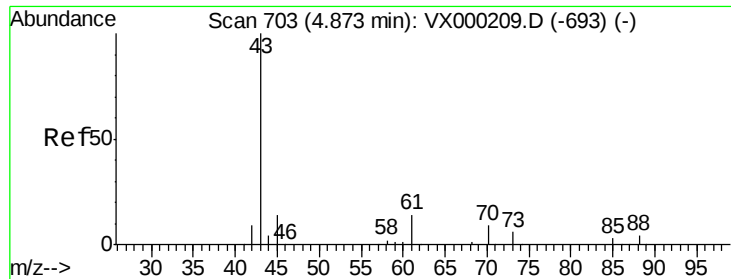
sam
3/14/2018 2:11:42 PM



#36
1,1-Dichloropropene
Concen: 48.98 ug/l
RT: 5.81 min Scan# 856
Delta R.T. -0.01 min
Lab File: VX000289.D
Acq: 13 Mar 2018 09:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.0	17.8	53.5	
77	31.2	24.9	37.3	





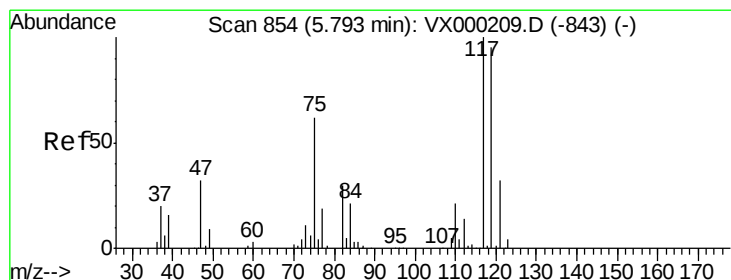
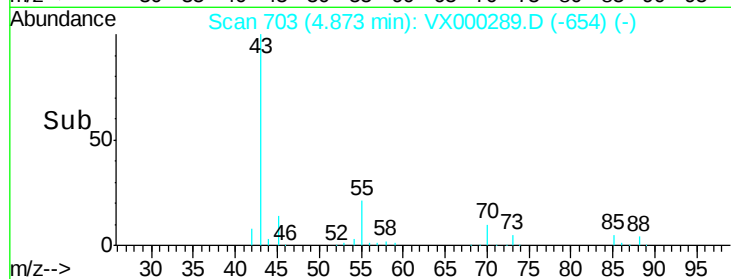
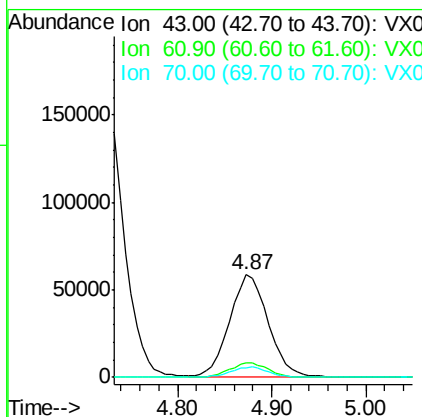
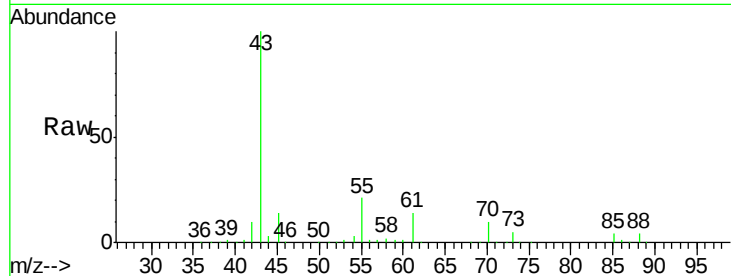
#37
Ethyl Acetate
Concen: 43.18 ug/l
RT: 4.87 min Scan# 703
Delta R.T. -0.00 min
Lab File: VX000289.D
Acq: 13 Mar 2018 09:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.0	16.6
70	10.1	7.8	11.6

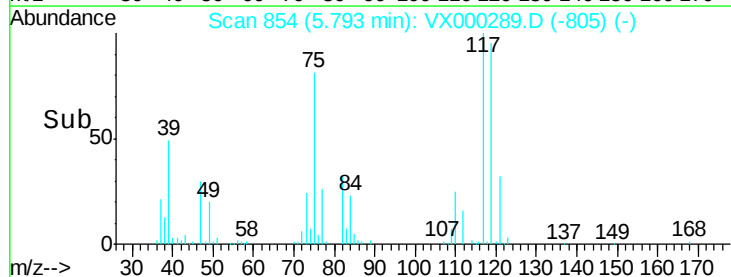
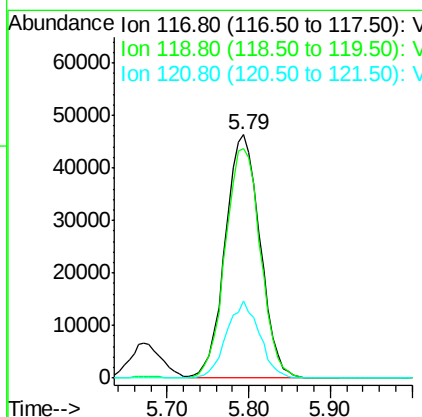
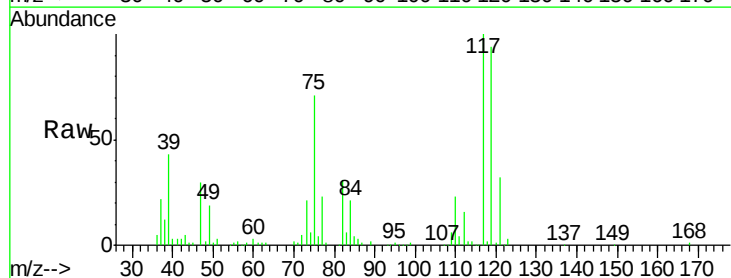
Manual Integrations
APPROVED

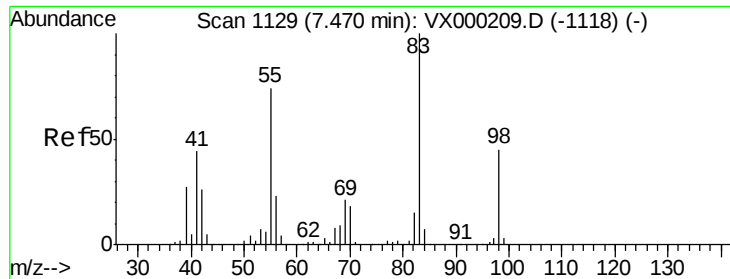
sam
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#38
Carbon Tetrachloride
Concen: 50.87 ug/l
RT: 5.79 min Scan# 854
Delta R.T. -0.00 min
Lab File: VX000289.D
Acq: 13 Mar 2018 09:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.1	75.9	113.9
121	32.0	25.8	38.6





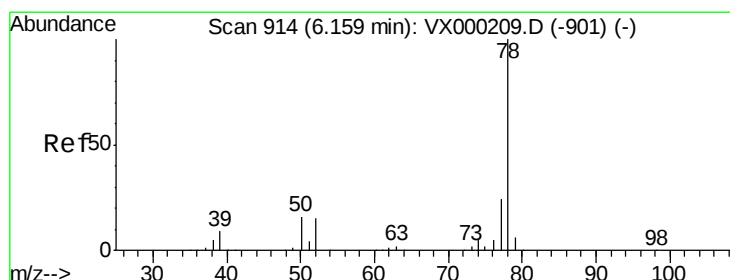
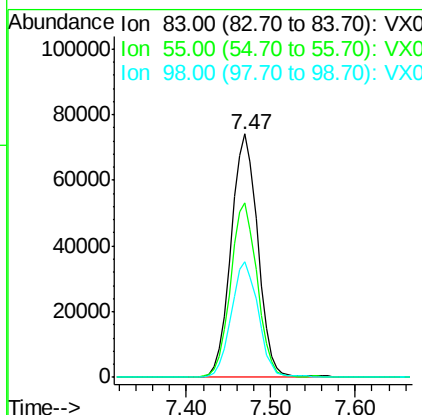
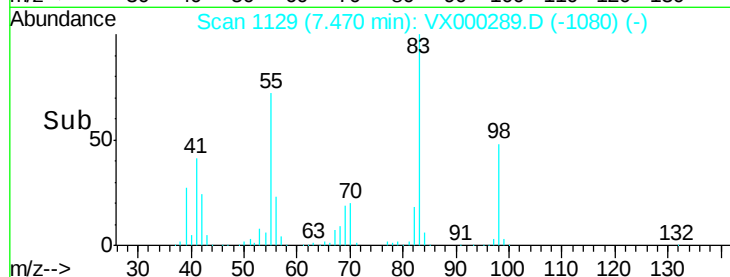
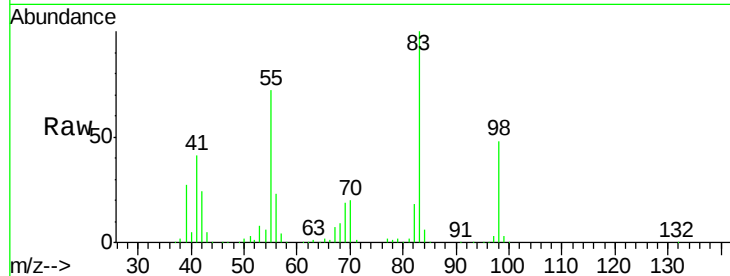
#39
Methvlcvclohexane
Concen: 48.93 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VX000289.D
Acq: 13 Mar 2018 09:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	159425		
55	71.6		59.4	89.0
98	47.6		36.3	54.5

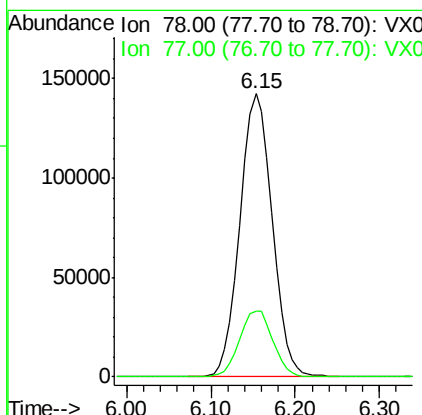
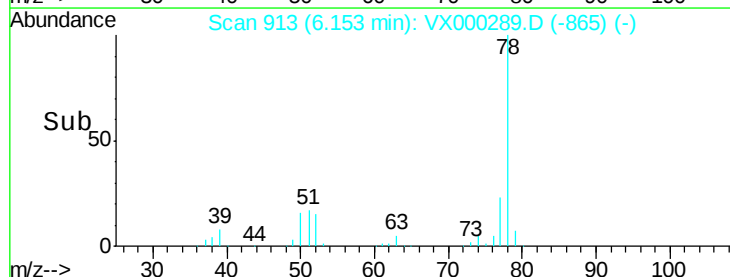
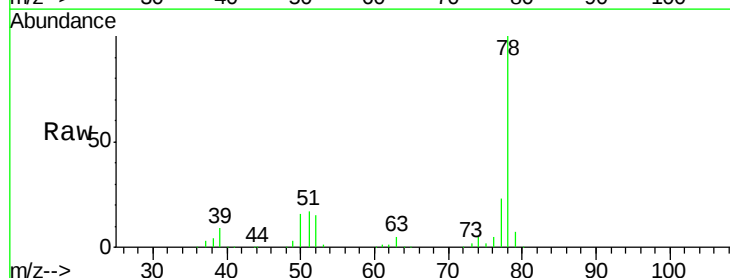
Manual Integrations
APPROVED

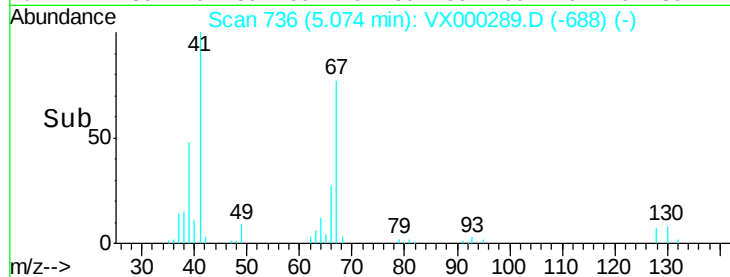
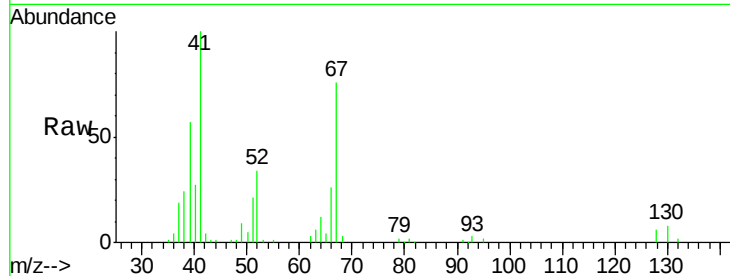
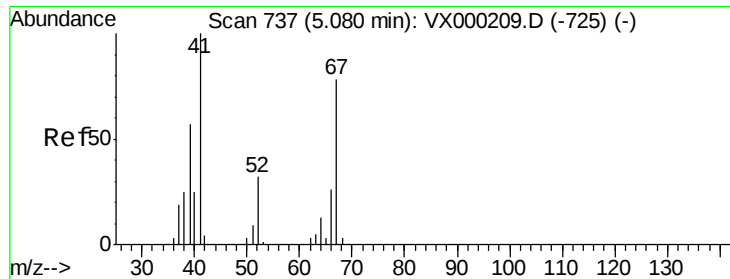
sam
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#40
Benzene
Concen: 48.17 ug/l
RT: 6.15 min Scan# 913
Delta R.T. -0.01 min
Lab File: VX000289.D
Acq: 13 Mar 2018 09:58

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	368910		
77	23.4		19.4	29.2





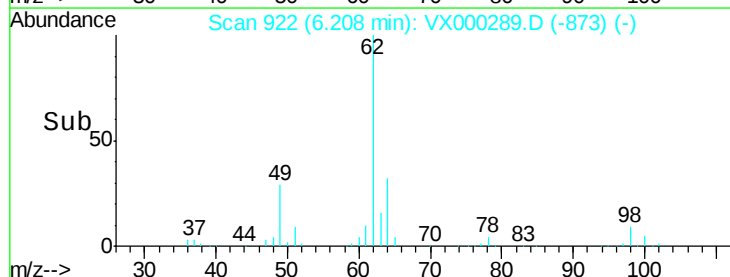
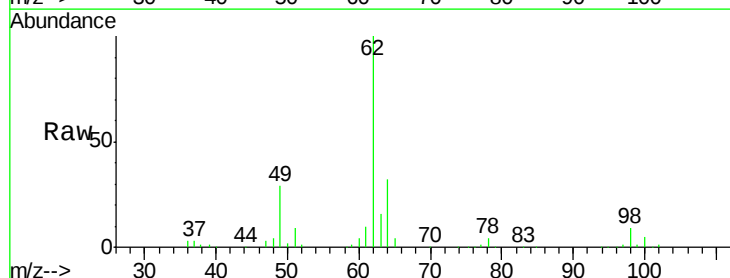
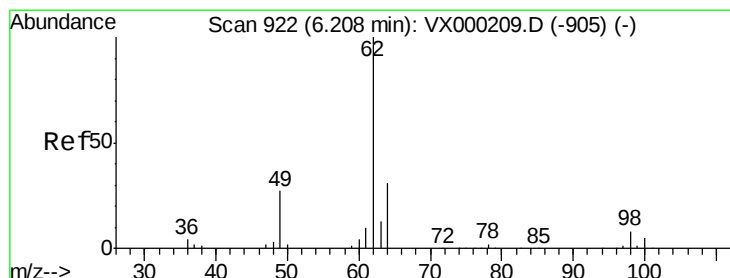
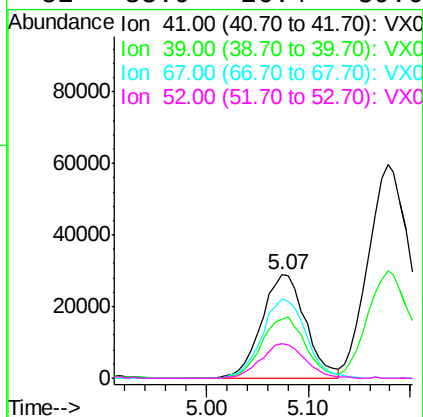
#41
Methacrylonitrile
Concen: 44.19 ug/l
RT: 5.07 min Scan# 736
Delta R.T. -0.01 min
Lab File: VX000289.D
Acq: 13 Mar 2018 09:58

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		86428		
39	58.2	47.8	71.6		
67	76.3	59.3	88.9		
52	33.9	26.4	39.6		

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

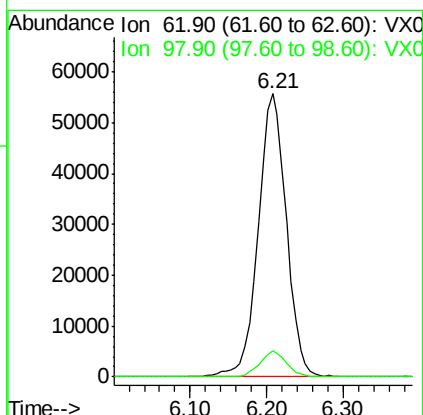
Manual Integrations
APPROVED

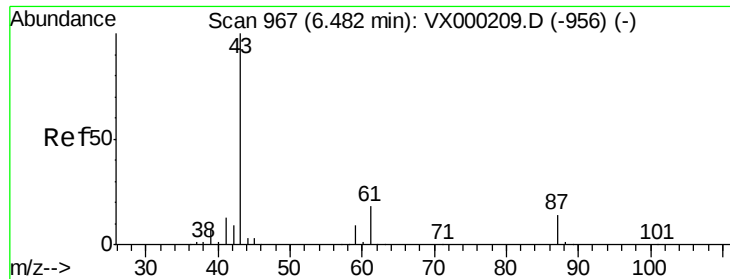
sam
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#42
1,2-Dichloroethane
Concen: 47.62 ug/l
RT: 6.21 min Scan# 922
Delta R.T. -0.00 min
Lab File: VX000289.D
Acq: 13 Mar 2018 09:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		143045		
98	8.6	0.0	16.2		





#43

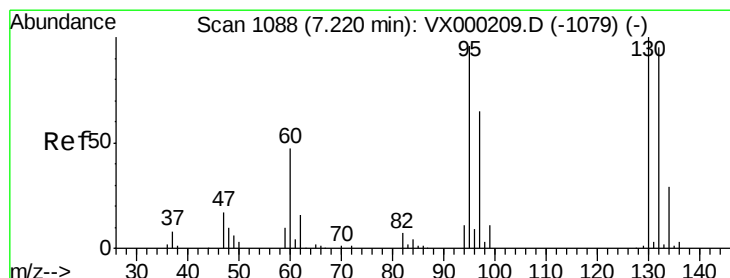
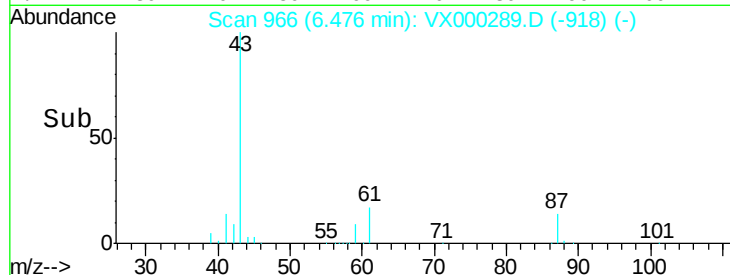
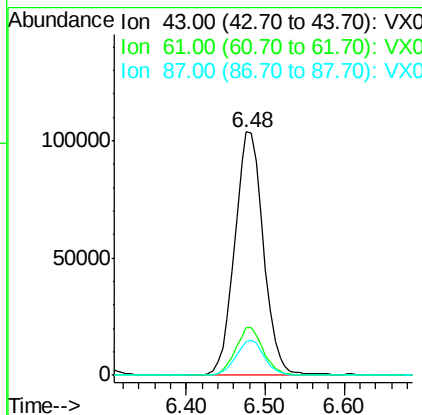
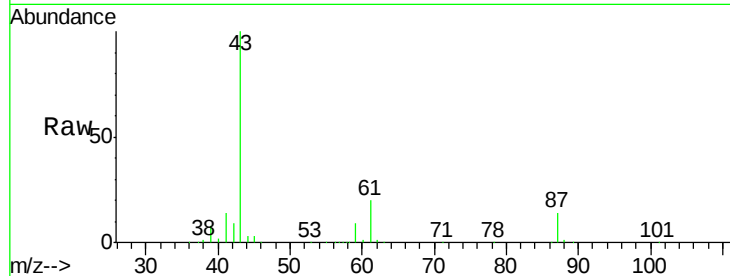
Isopropyl Acetate
 Concen: 47.10 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. -0.01 min
 Lab File: VX000289.D
 Acq: 13 Mar 2018 09:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.2	14.8	22.2
87	14.0	10.6	16.0

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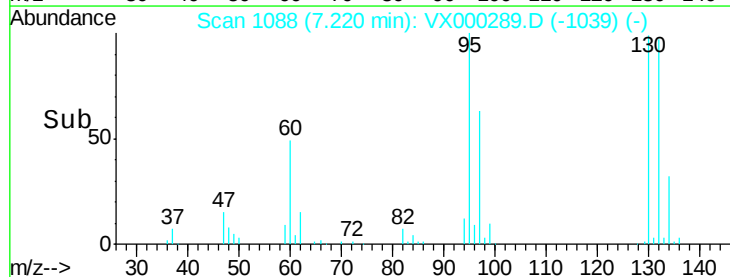
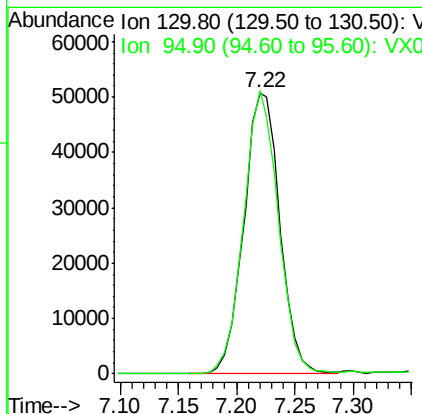
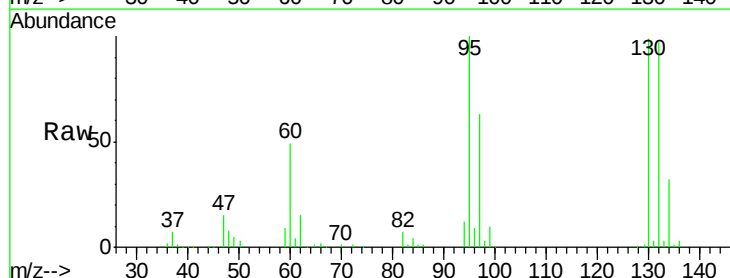
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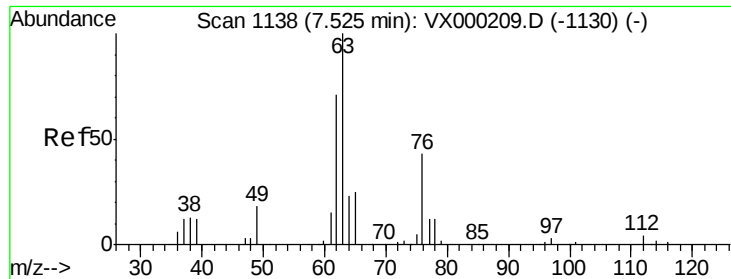


#44

Trichloroethene
 Concen: 50.05 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VX000289.D
 Acq: 13 Mar 2018 09:58

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.6	0.0	191.8





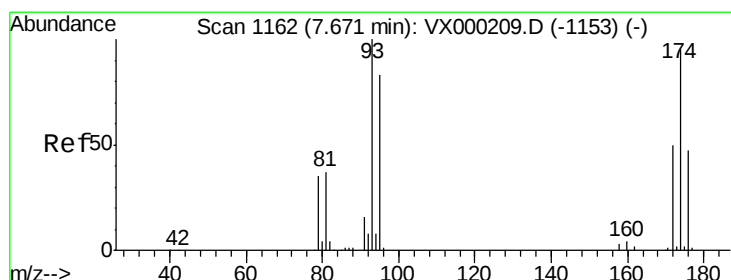
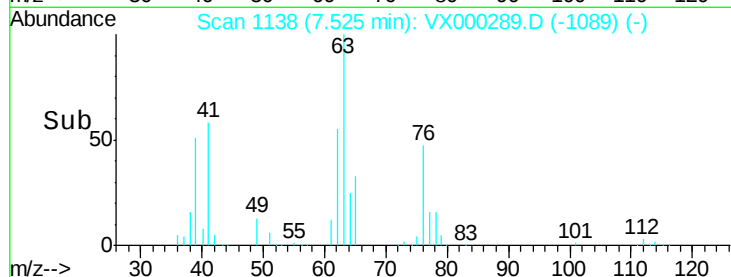
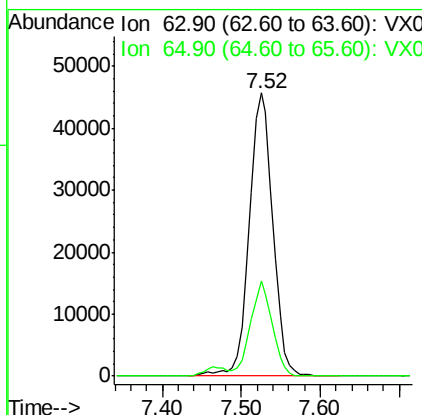
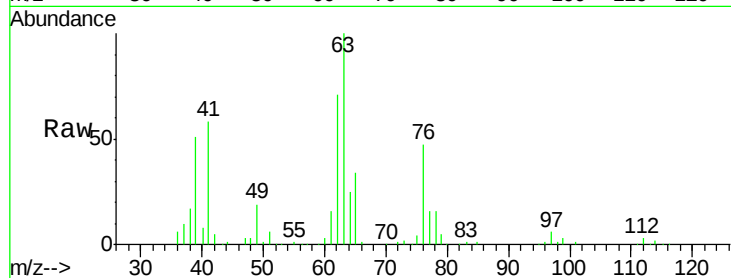
#45
 1,2-Dichloropropane
 Concen: 48.94 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VX000289.D
 Acq: 13 Mar 2018 09:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 94919
 Ion Ratio Lower Upper
 63 100
 65 33.6 22.3 33.5#

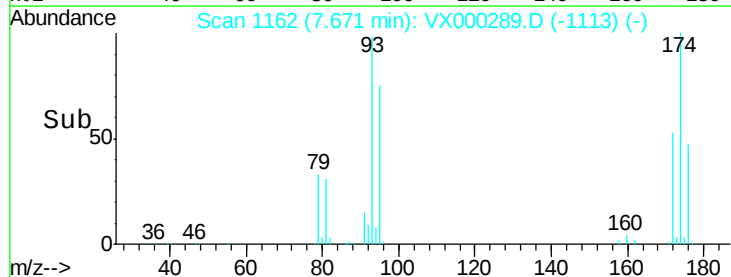
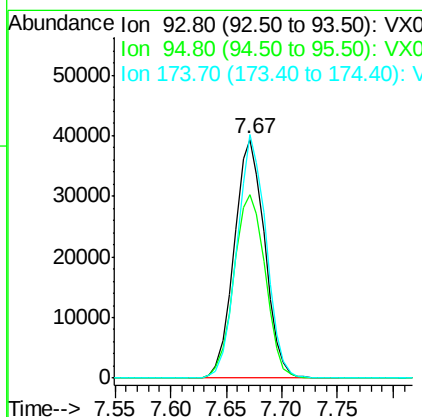
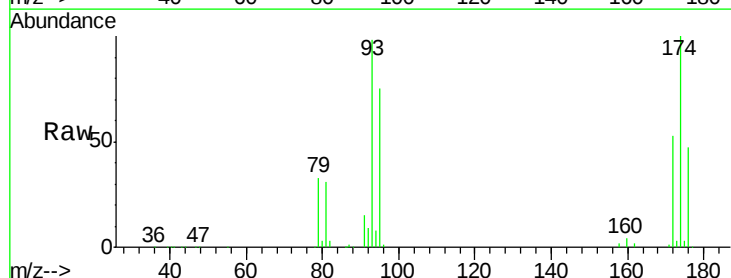
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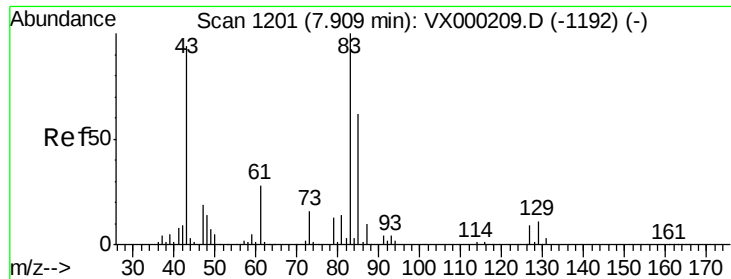
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#46
 Dibromomethane
 Concen: 48.50 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. -0.00 min
 Lab File: VX000289.D
 Acq: 13 Mar 2018 09:58

Tgt Ion: 93 Resp: 74432
 Ion Ratio Lower Upper
 93 100
 95 79.3 64.1 96.1
 174 98.1 75.8 113.8





#47

Bromodichloromethane

Concen: 50.15 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VX000289.D

Acq: 13 Mar 2018 09:58

Instrument :

MSVOA_X

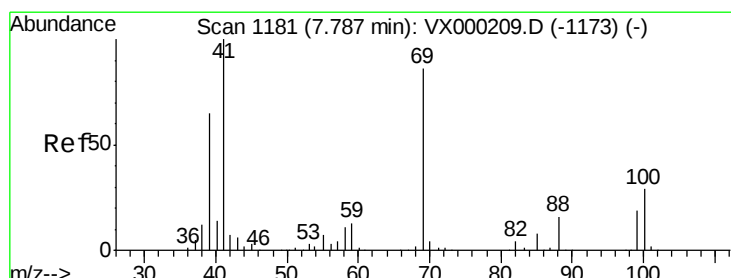
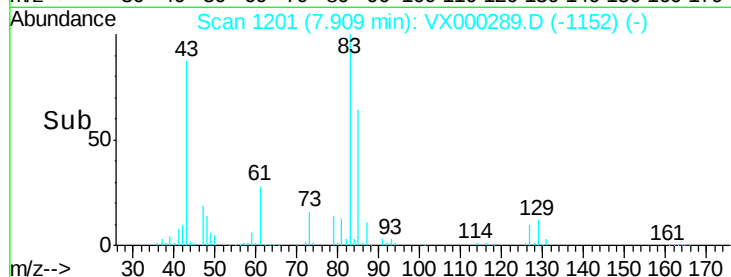
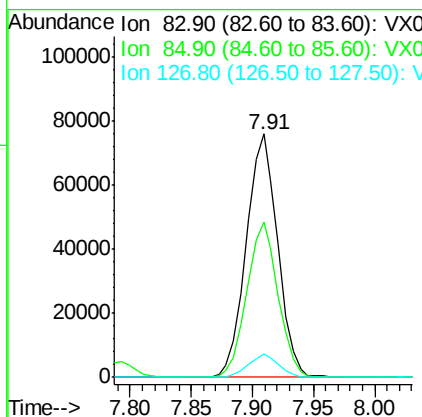
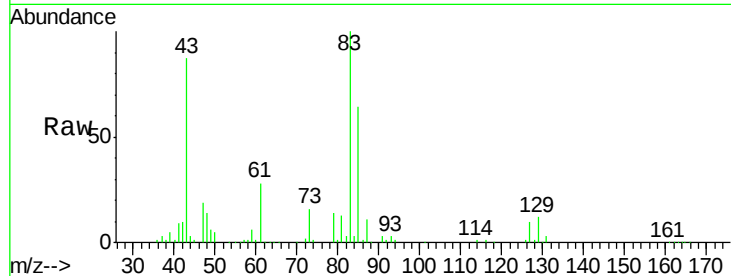
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	135359
Ion	Ratio	Lower	Upper
83	100		
85	63.5	49.6	74.4
127	9.9	7.0	10.4

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#48

Methyl methacrylate

Concen: 46.18 ug/l

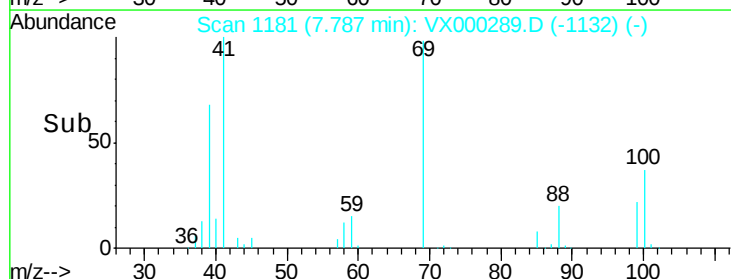
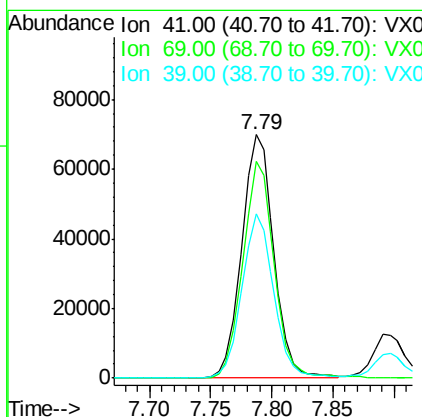
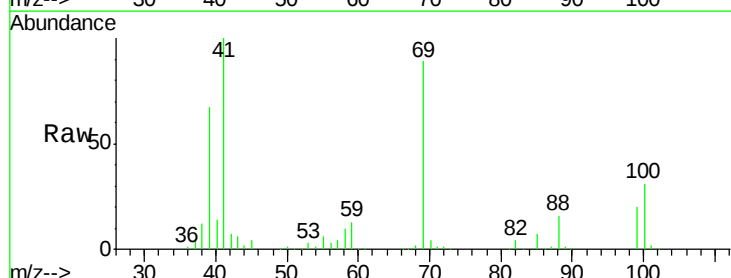
RT: 7.79 min Scan# 1181

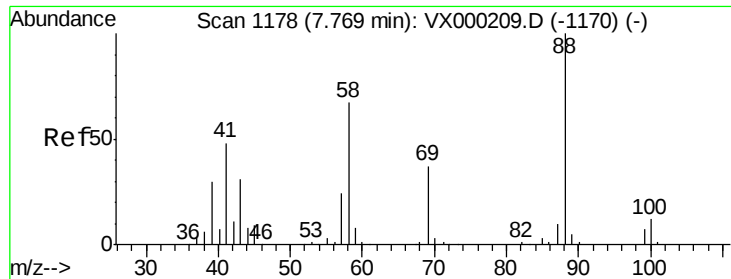
Delta R.T. -0.00 min

Lab File: VX000289.D

Acq: 13 Mar 2018 09:58

Tgt Ion:	41	Resp:	126208
Ion	Ratio	Lower	Upper
41	100		
69	88.2	70.0	105.0
39	66.7	53.6	80.4





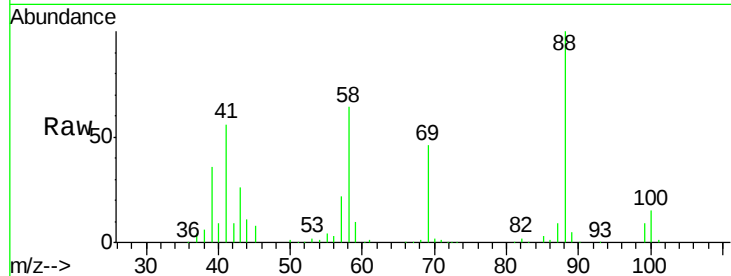
#49
1,4-Dioxane
Concen: 899.61 ug/l
RT: 7.77 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VX000289.D
Acq: 13 Mar 2018 09:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

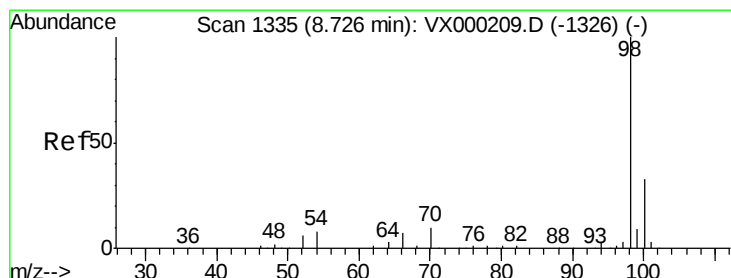
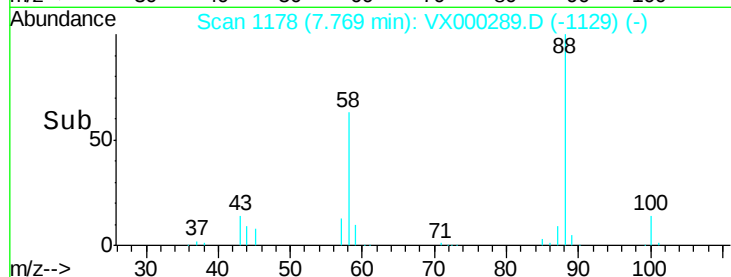
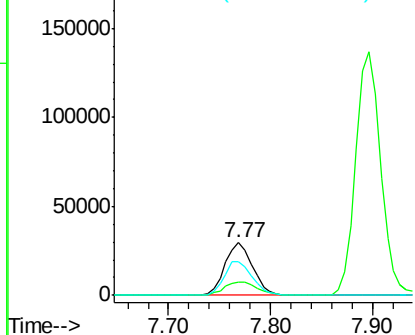
Tot Ion	Ratio	Lower	Upper
88	100		
43	31.9	26.9	40.3
58	65.9	52.2	78.4

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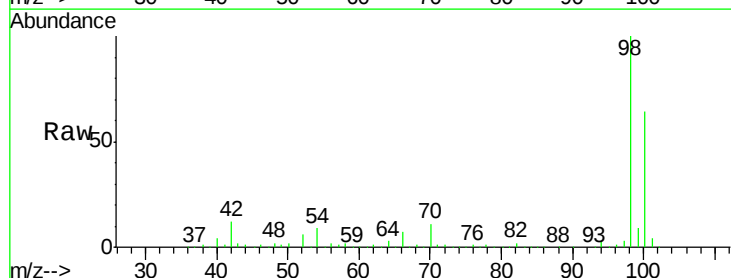


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

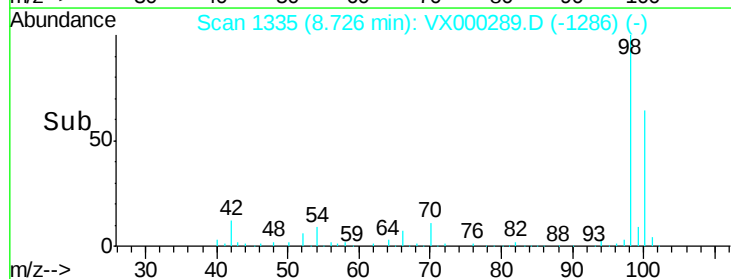
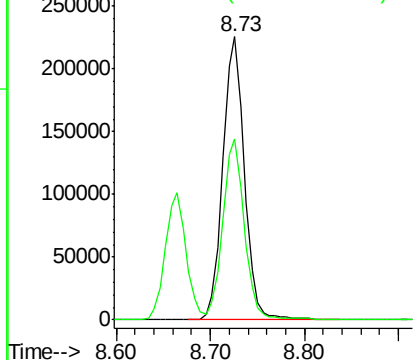


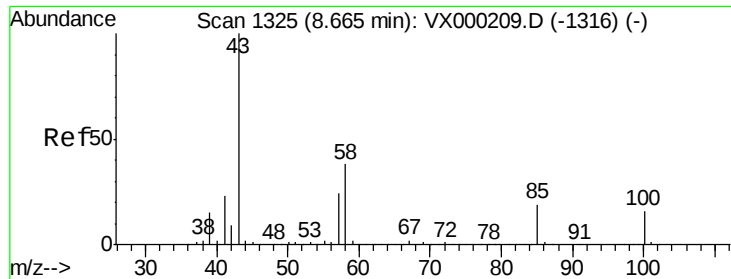
#50
Toluene-d8
Concen: 46.17 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VX000289.D
Acq: 13 Mar 2018 09:58

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.2	76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 230.80 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.01 min

Lab File: VX000289.D

Acq: 13 Mar 2018 09:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 966481

Ion Ratio Lower Upper

43 100

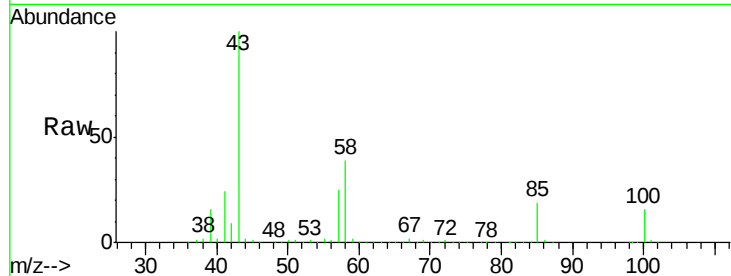
58 39.1 30.2 45.2

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.66

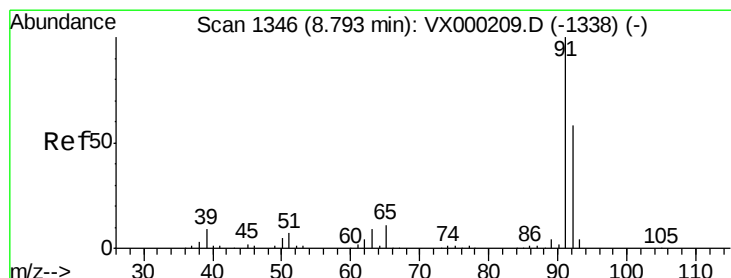
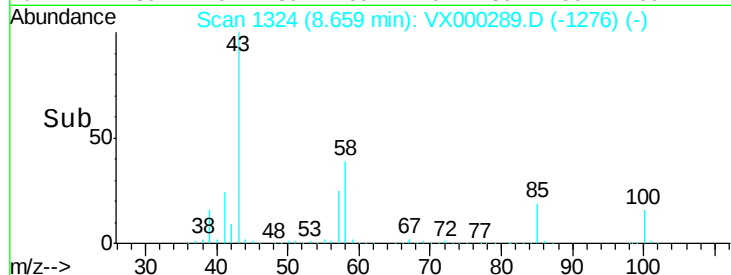
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 50.30 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX000289.D

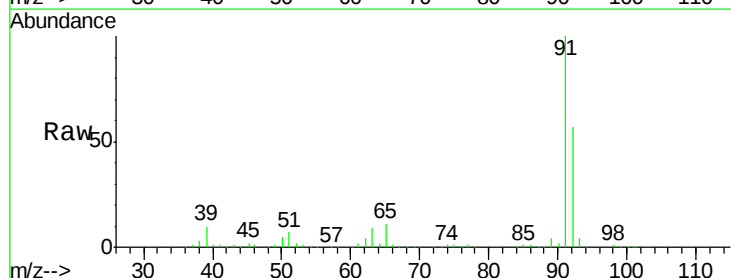
Acq: 13 Mar 2018 09:58

Tgt Ion: 92 Resp: 264024

Ion Ratio Lower Upper

92 100

91 174.5 139.0 208.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

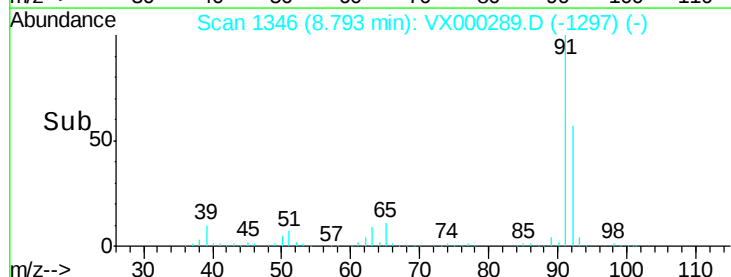
300000

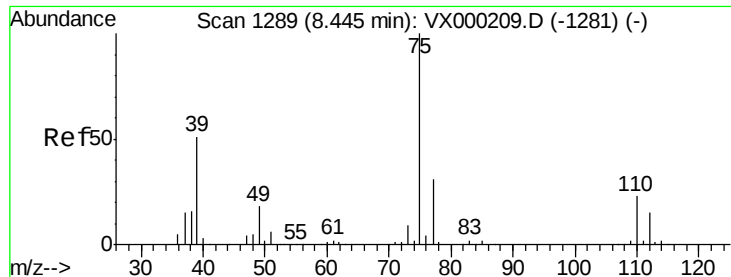
200000

100000

0

Time-->





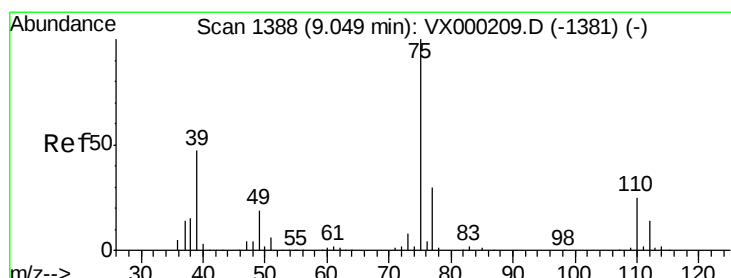
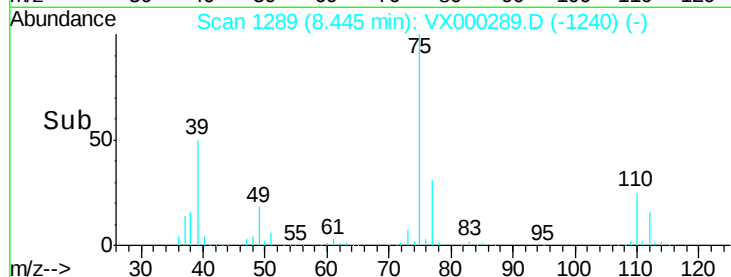
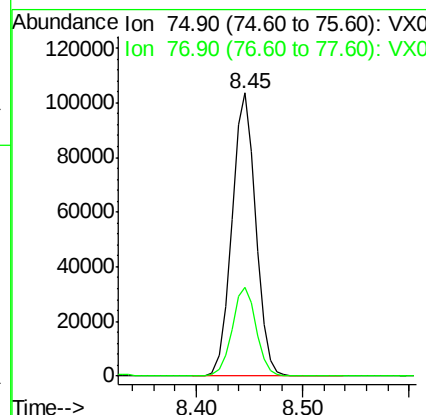
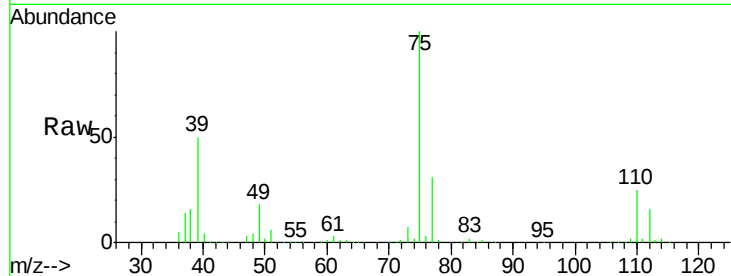
#53
 t-1,3-Dichloropropene
 Concen: 51.02 ug/l
 RT: 8.45 min Scan# 1289
 Delta R.T. -0.00 min
 Lab File: VX000289.D
 Acq: 13 Mar 2018 09:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.8	37.2

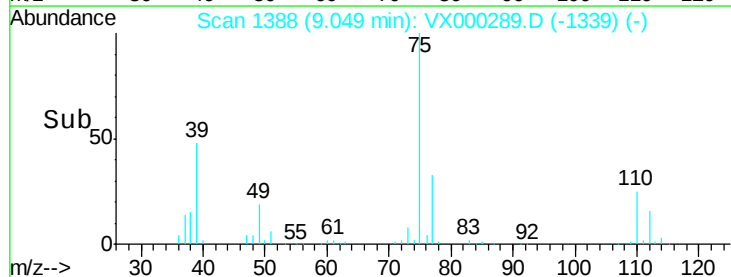
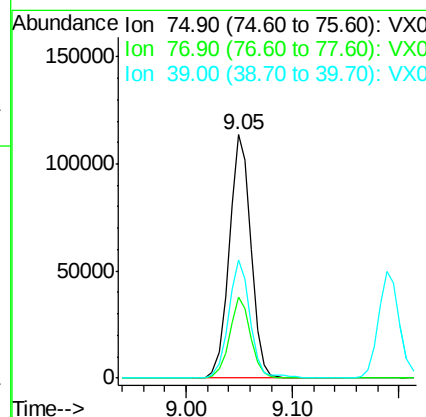
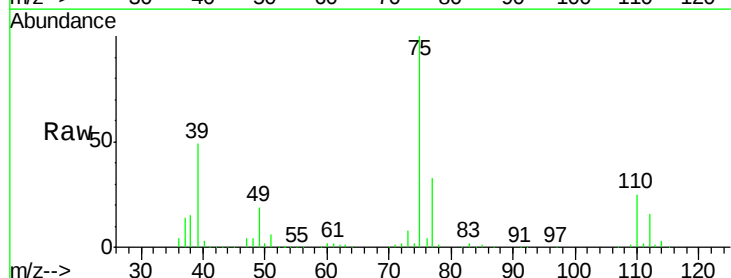
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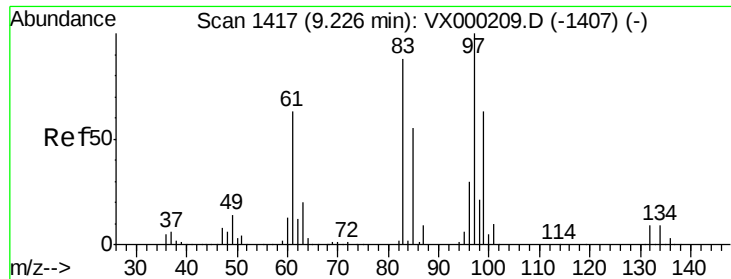
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#54
 cis-1,3-Dichloropropene
 Concen: 52.43 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. -0.00 min
 Lab File: VX000289.D
 Acq: 13 Mar 2018 09:58

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.4	23.9	35.9
39	48.6	37.4	56.2





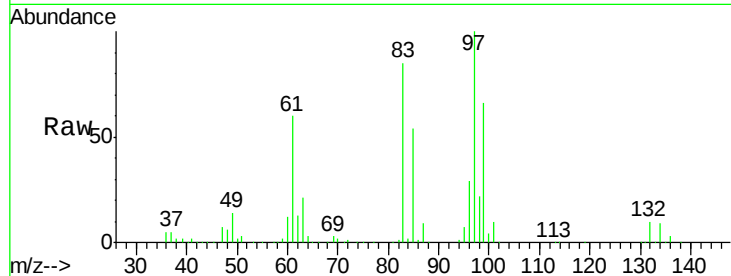
#55
 1,1,2-Trichloroethane
 Concen: 50.41 ug/l
 RT: 9.23 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: VX000289.D
 Acq: 13 Mar 2018 09:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

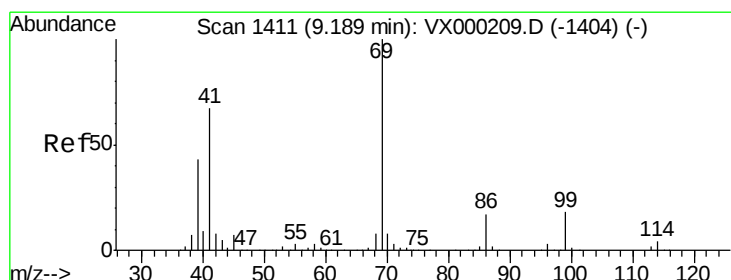
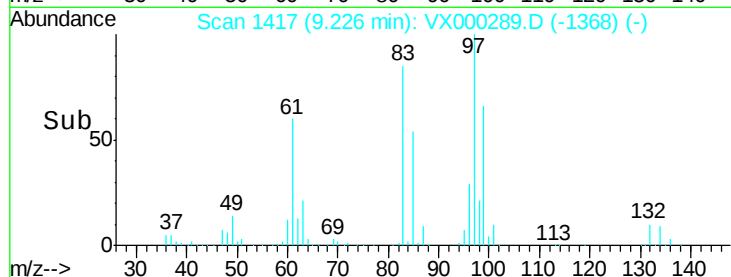
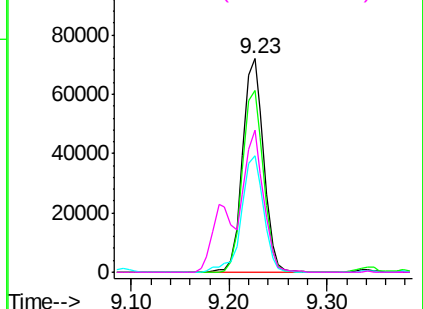
Tot Ion:	97	Resp:	107165
Ion	Ratio	Lower	Upper
97	100		
83	84.9	70.4	105.6
85	54.4	43.9	65.9
99	66.3	50.5	75.7

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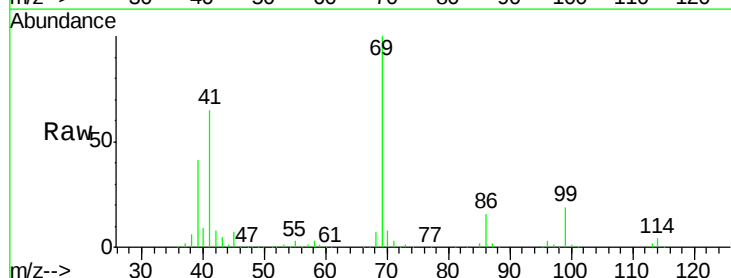


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

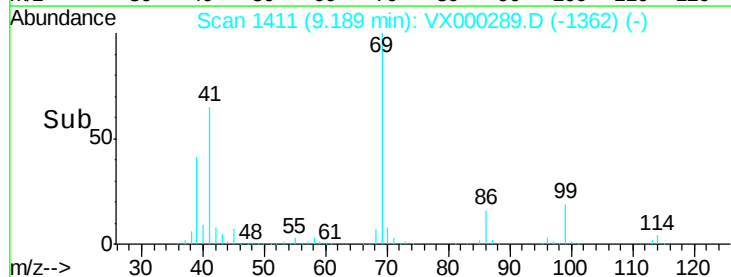
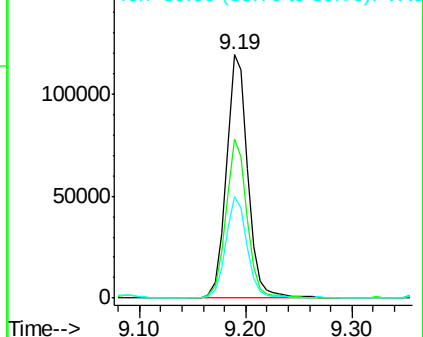


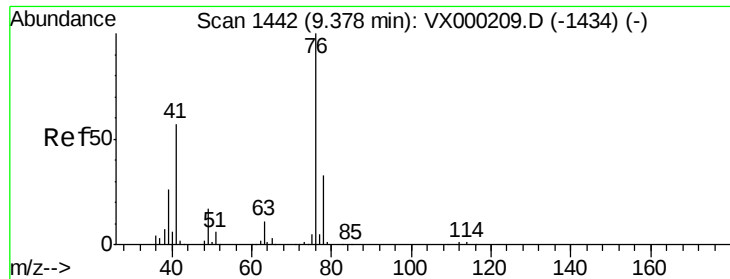
#56
 Ethyl methacrylate
 Concen: 52.87 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX000289.D
 Acq: 13 Mar 2018 09:58

Tgt Ion:	69	Resp:	168195
Ion	Ratio	Lower	Upper
69	100		
41	64.3	52.2	78.2
39	41.2	34.3	51.5



Abundance Ion 69.00 (68.70 to 69.70): VX0
 Ion 41.00 (40.70 to 41.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0





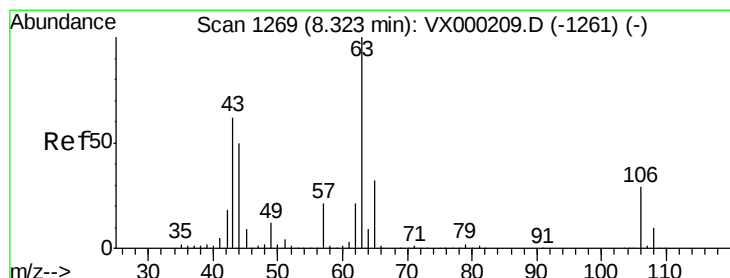
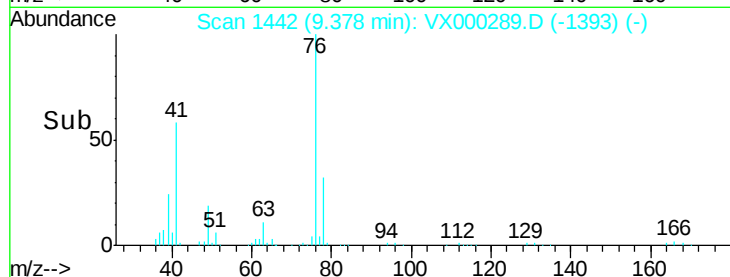
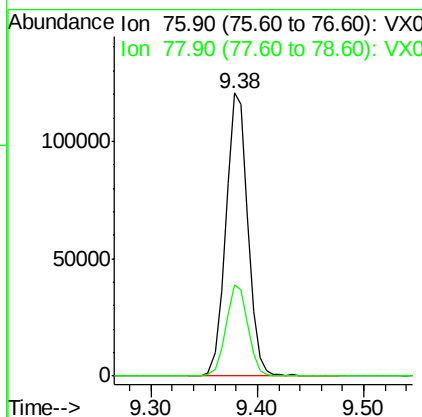
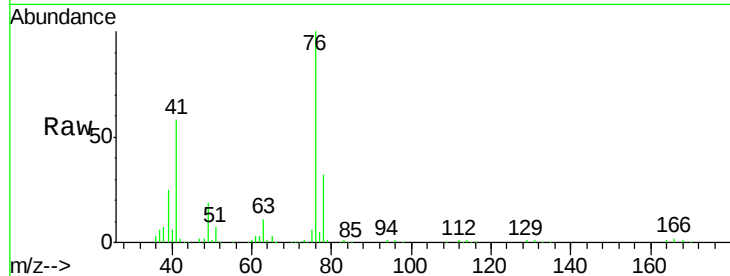
#57
 1,3-Dichloropropane
 Concen: 48.62 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VX000289.D
 Acq: 13 Mar 2018 09:58

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion: 76 Resp: 17352
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.2 39.2

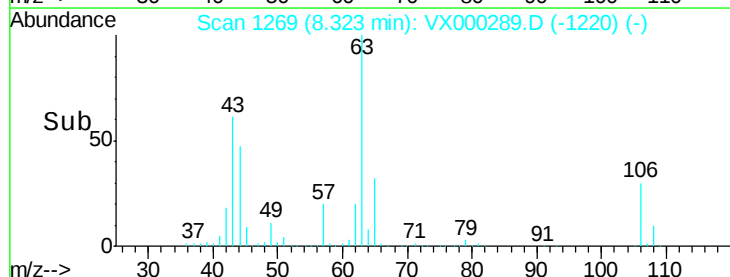
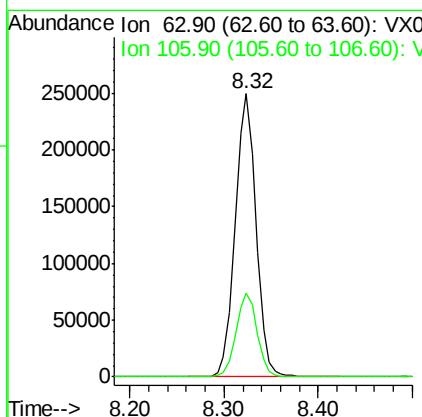
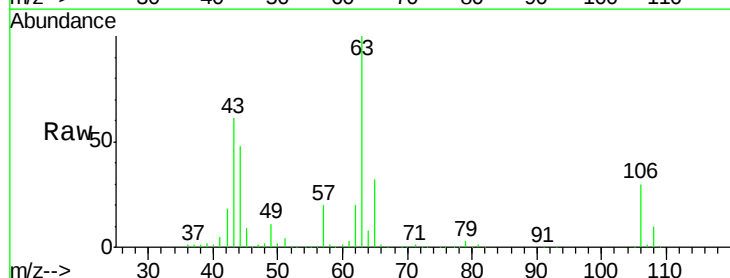
Manual Integrations
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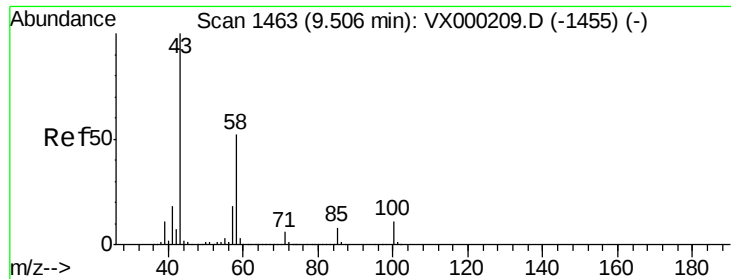
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#58
 2-Chloroethyl Vinyl ether
 Concen: 237.72 ug/l
 RT: 8.32 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VX000289.D
 Acq: 13 Mar 2018 09:58

Tgt Ion: 63 Resp: 381832
 Ion Ratio Lower Upper
 63 100
 106 29.9 23.2 34.8





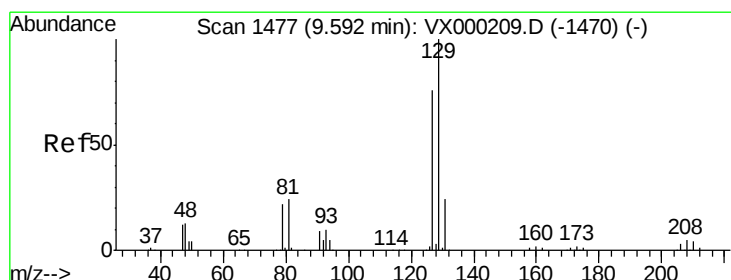
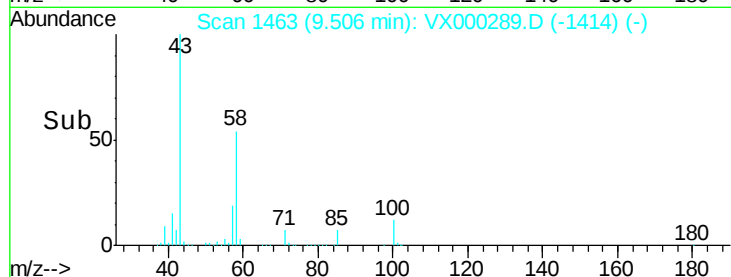
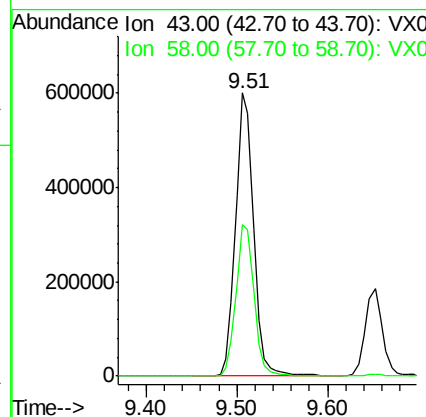
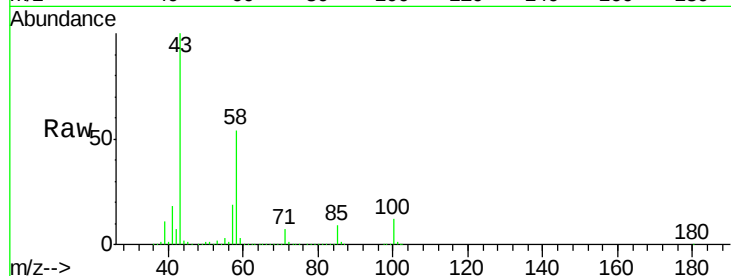
#59
2-Hexanone
Concen: 233.05 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. -0.00 min
Lab File: VX000289.D
Acq: 13 Mar 2018 09:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 832124
Ion Ratio Lower Upper
43 100
58 54.0 26.6 79.7

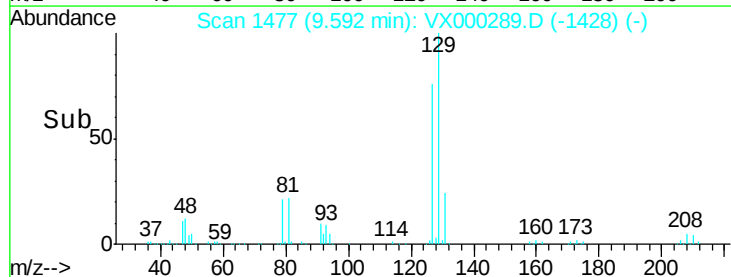
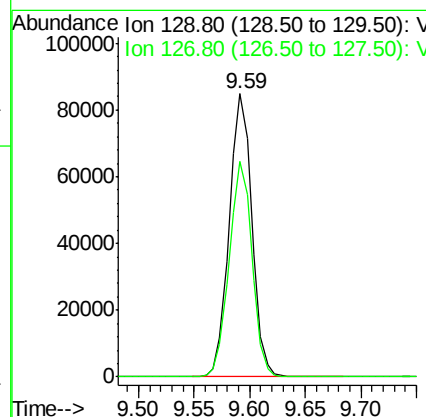
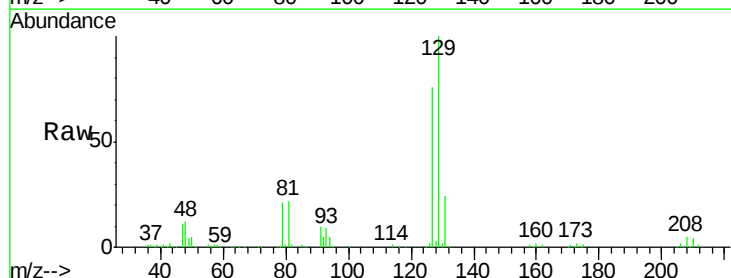
Manual Integrations
APPROVED

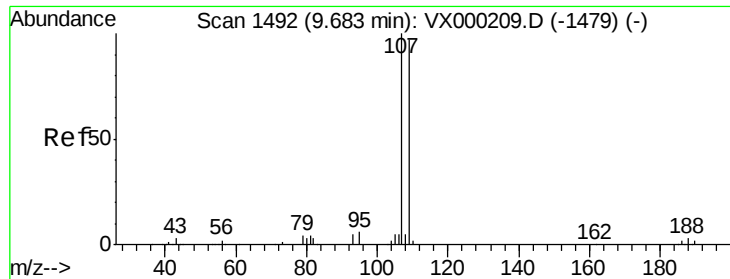
sam
3/14/2018 2:11:42 PM



#60
Dibromochloromethane
Concen: 53.25 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. -0.00 min
Lab File: VX000289.D
Acq: 13 Mar 2018 09:58

Tgt Ion: 129 Resp: 119351
Ion Ratio Lower Upper
129 100
127 76.9 39.1 117.2





#61

1,2-Dibromoethane

Concen: 51.72 ug/l

RT: 9.68 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX000289.D

Acq: 13 Mar 2018 09:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 122084

Ion Ratio Lower Upper

107 100

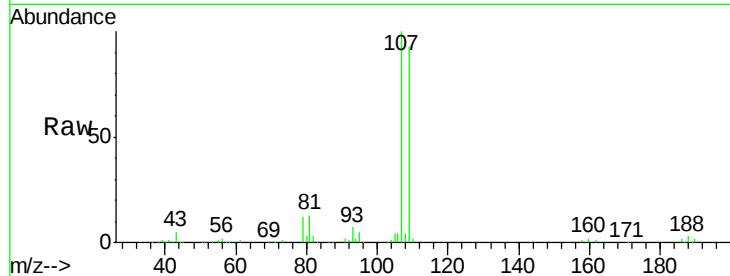
109 93.8 76.8 115.2

Manual Integrations

APPROVED

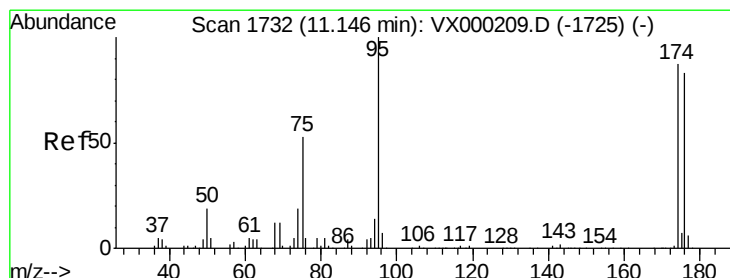
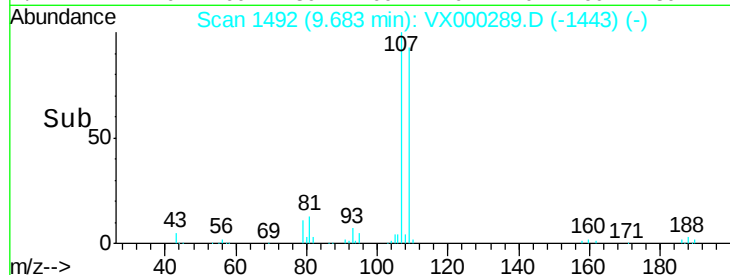
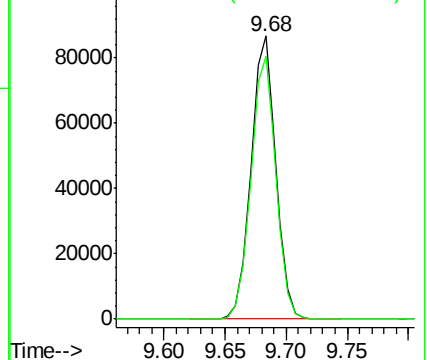
sam

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.71 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000289.D

Acq: 13 Mar 2018 09:58

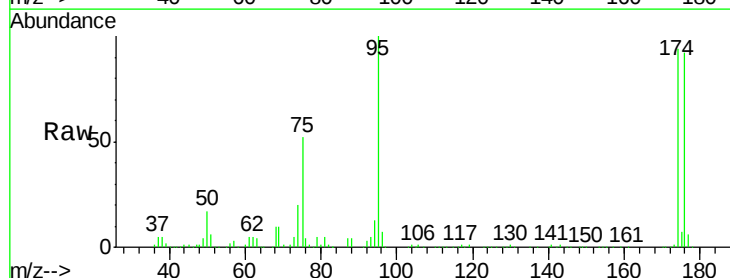
Tgt Ion: 95 Resp: 144572

Ion Ratio Lower Upper

95 100

174 92.7 0.0 175.6

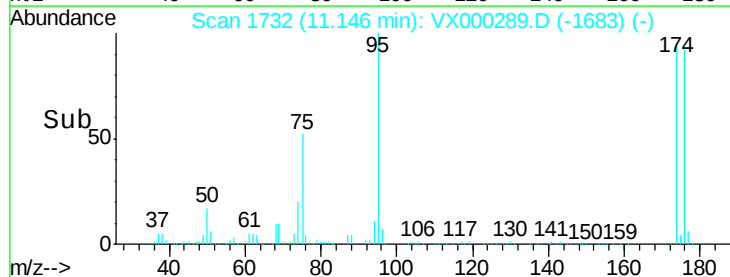
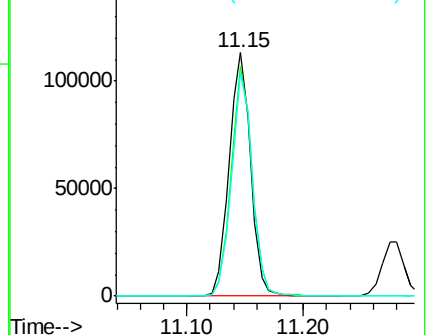
176 89.1 0.0 171.0

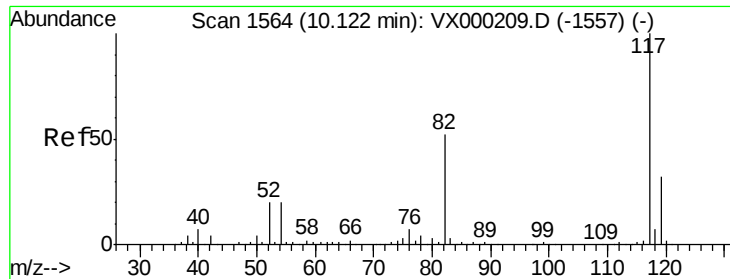


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





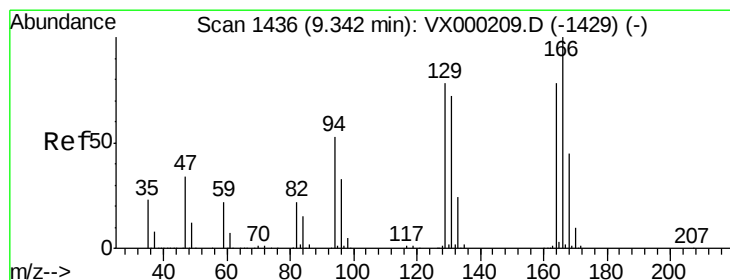
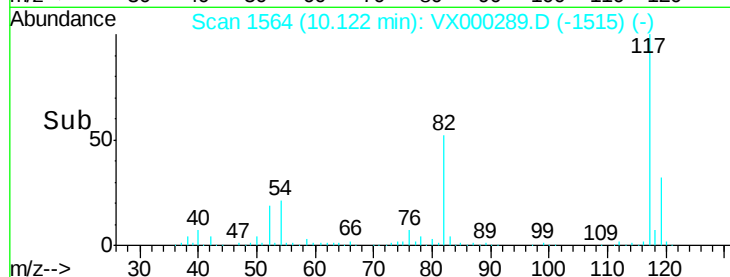
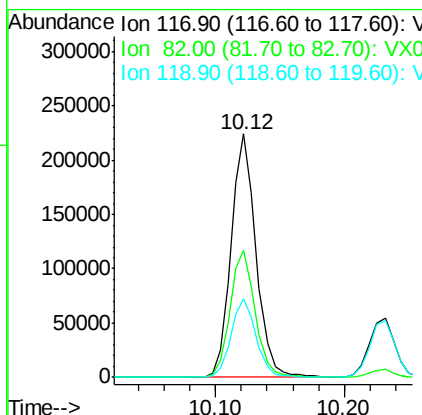
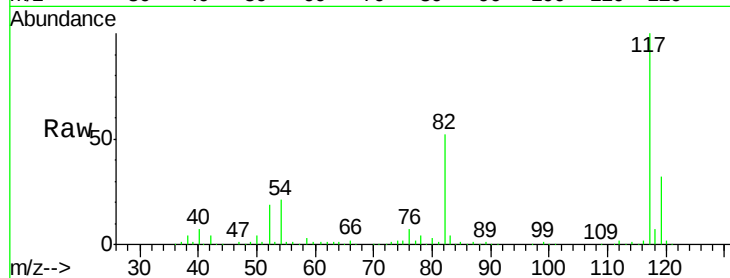
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000289.D
Acq: 13 Mar 2018 09:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.1	42.0	63.0
119	32.5	25.3	37.9

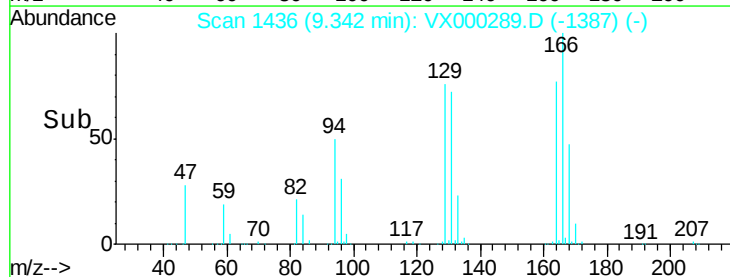
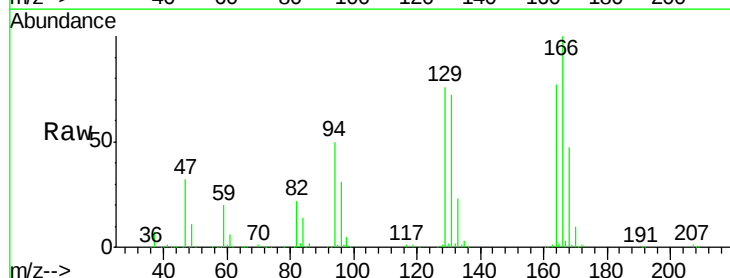
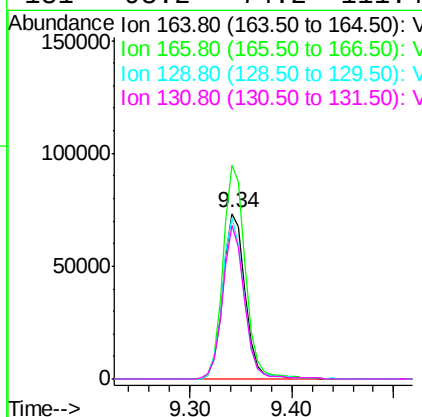
Manual Integrations
APPROVED

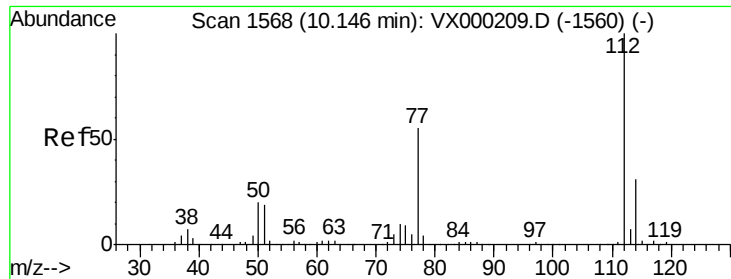
sam
3/14/2018 2:11:42 PM



#64
Tetrachloroethene
Concen: 52.66 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX000289.D
Acq: 13 Mar 2018 09:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.0	103.0	154.6
129	97.8	80.2	120.4
131	93.2	74.2	111.4





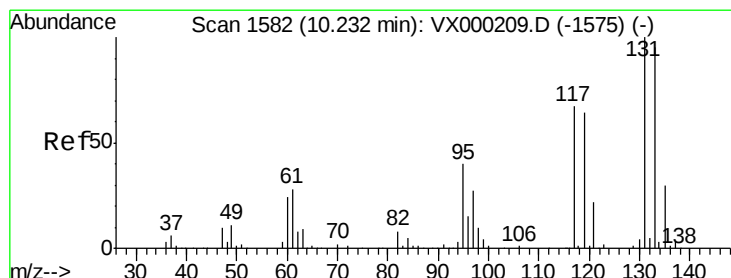
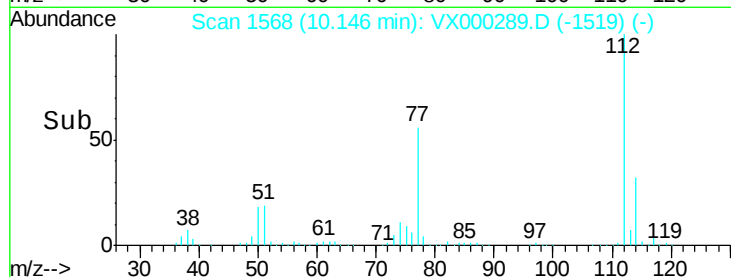
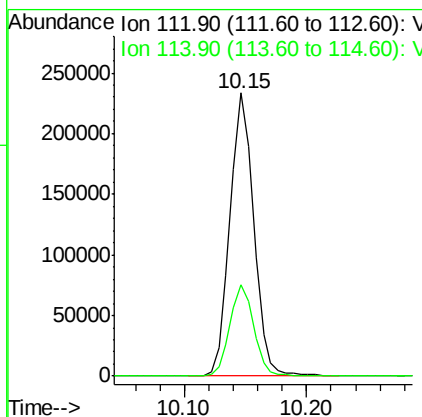
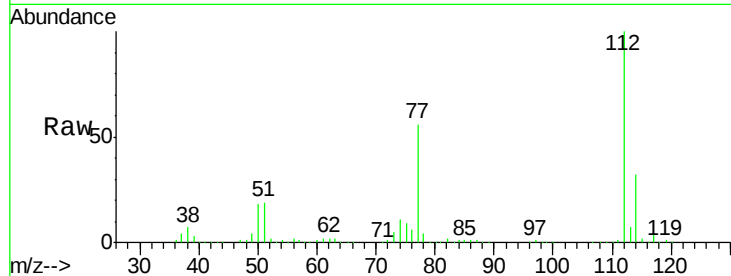
#65
Chlorobenzene
Concen: 51.59 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX000289.D
Acq: 13 Mar 2018 09:58

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion:112 Resp: 315348
Ion Ratio Lower Upper
112 100
114 32.4 25.0 37.4

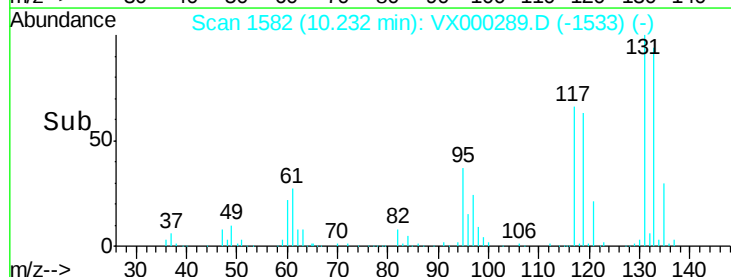
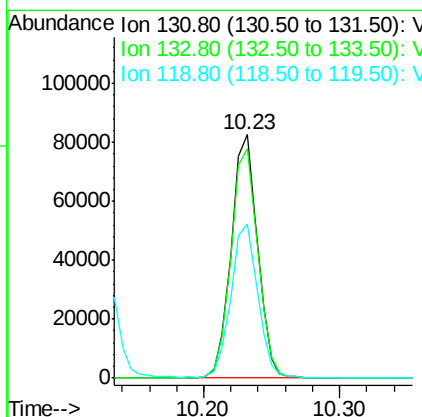
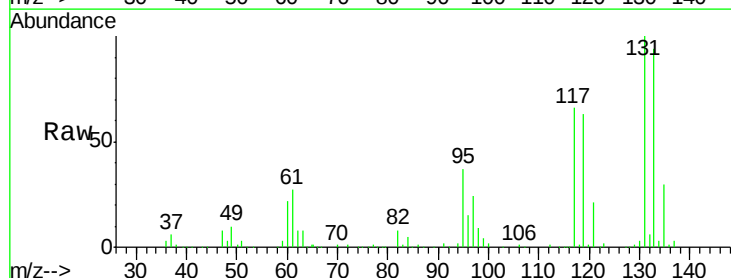
Manual Integrations
APPROVED

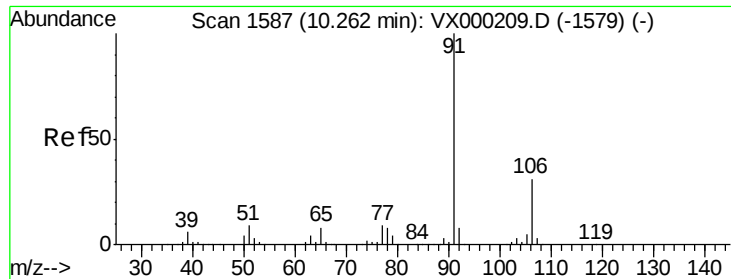
sam
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.17 ug/l
RT: 10.23 min Scan# 1582
Delta R.T. -0.00 min
Lab File: VX000289.D
Acq: 13 Mar 2018 09:58

Tgt Ion:131 Resp: 111106
Ion Ratio Lower Upper
131 100
133 96.6 48.3 144.9
119 64.8 32.3 96.8





#67

Ethyl Benzene

Concen: 50.02 ug/l

RT: 10.26 min Scan# 1587

Delta R.T. -0.00 min

Lab File: VX000289.D

Acq: 13 Mar 2018 09:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 533643

Ion Ratio Lower Upper

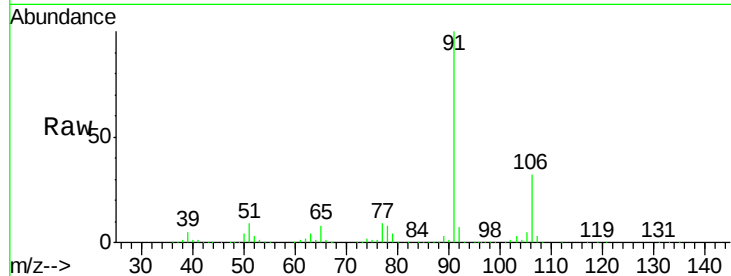
91 100

106 32.3 25.2 37.8

Manual Integrations
APPROVED

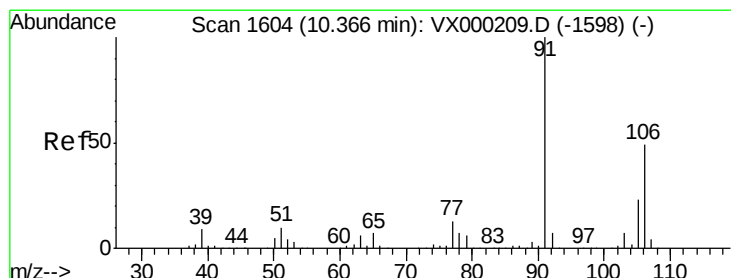
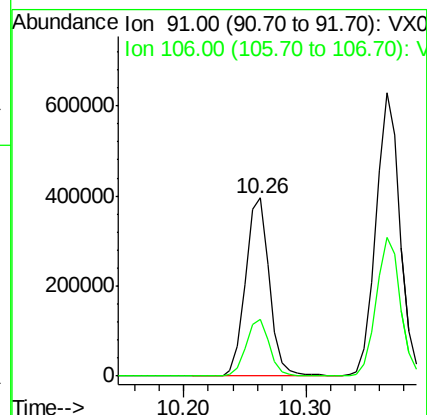
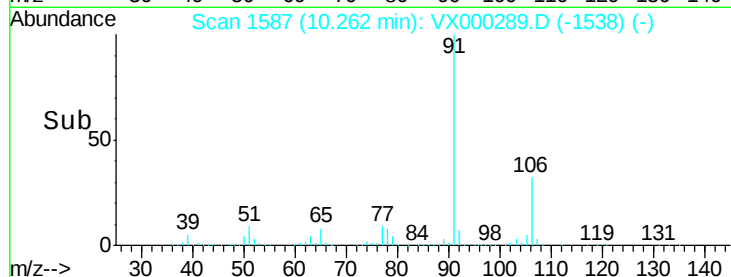
sam

3/14/2018 2:11:42 PM



Abundance Ion 91.00 (90.70 to 91.70): VX000289.D (-1538) (-)

Ion 106.00 (105.70 to 106.70): VX000289.D (-1538) (-)



#68

m/p-Xylenes

Concen: 103.72 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VX000289.D

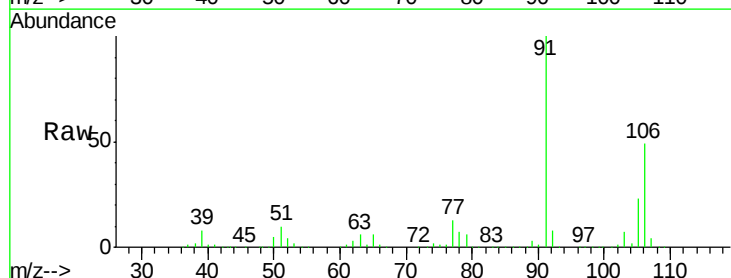
Acq: 13 Mar 2018 09:58

Tgt Ion: 106 Resp: 425845

Ion Ratio Lower Upper

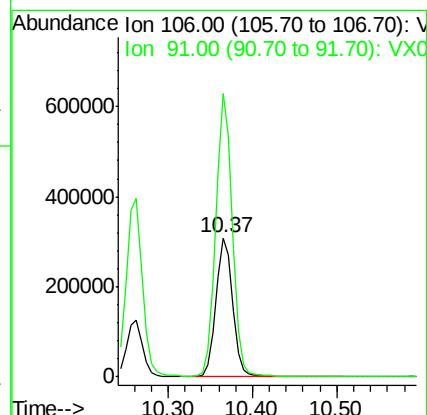
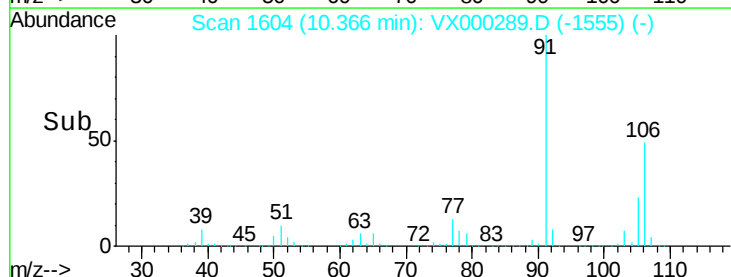
106 100

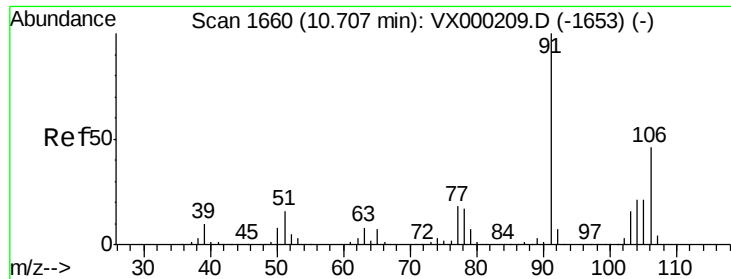
91 202.5 160.9 241.3



Abundance Ion 106.00 (105.70 to 106.70): VX000289.D (-1555) (-)

Ion 91.00 (90.70 to 91.70): VX000289.D (-1555) (-)





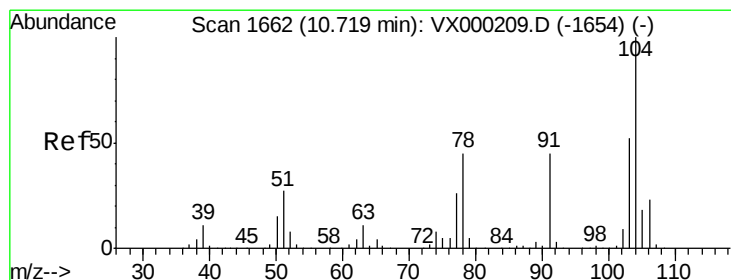
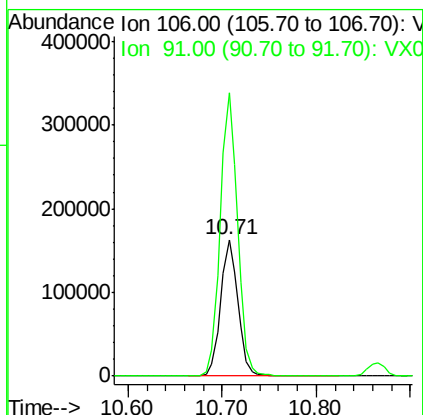
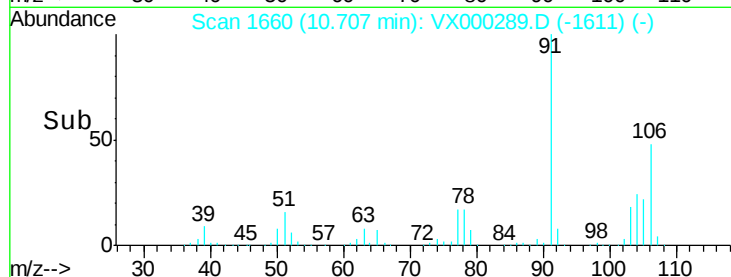
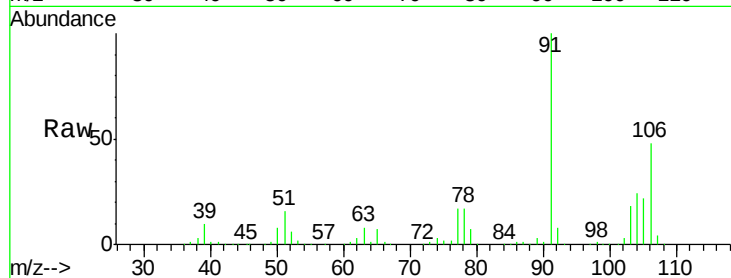
#69
o-Xylene
Concen: 52.65 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX000289.D
Acq: 13 Mar 2018 09:58

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 207790
Ion Ratio Lower Upper
106 100
91 208.4 105.9 317.7

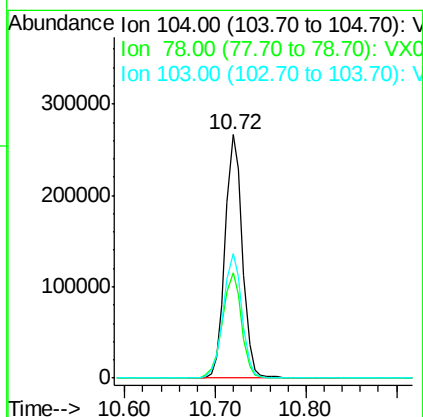
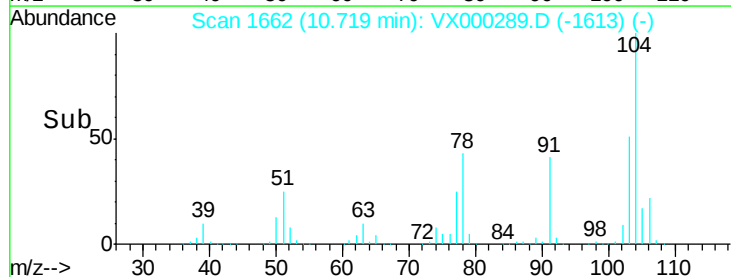
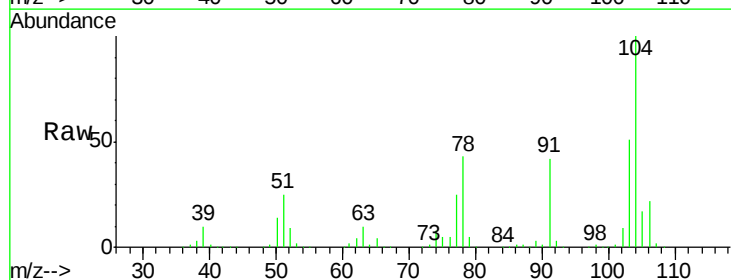
Manual Integrations
APPROVED

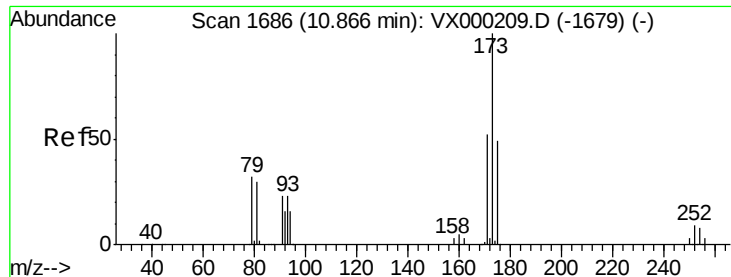
sam
3/14/2018 2:11:42 PM



#70
Styrene
Concen: 54.03 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX000289.D
Acq: 13 Mar 2018 09:58

Tgt Ion:104 Resp: 353695
Ion Ratio Lower Upper
104 100
78 48.2 39.6 59.4
103 55.3 45.0 67.6





#71

Bromoform

Concen: 46.08 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VX000289.D

Acq: 13 Mar 2018 09:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 97784

Ion Ratio Lower Upper

173 100

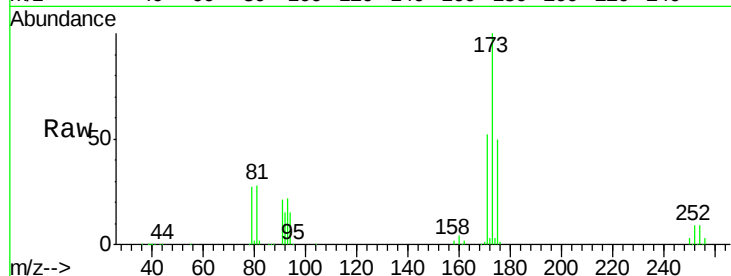
175 48.8 24.4 73.2

254 0.1 0.2 0.2#

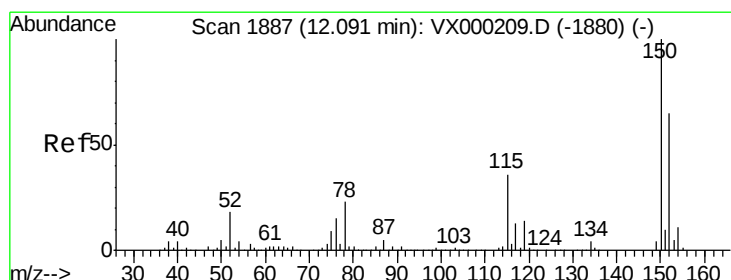
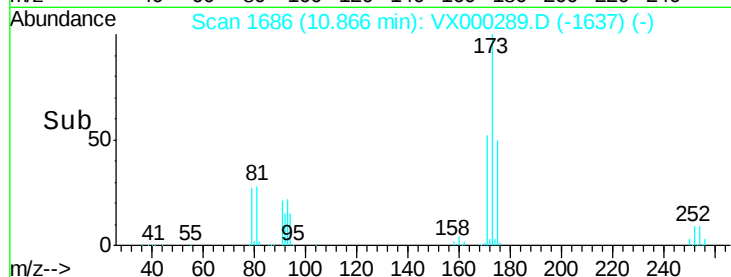
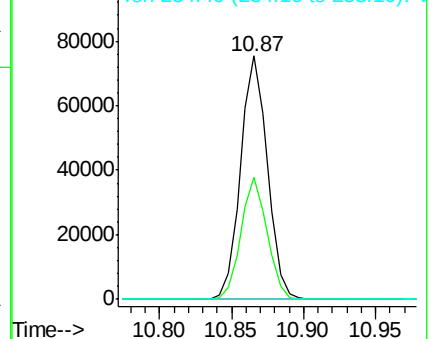
Manual Integrations
APPROVED

sam

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.01 min

Lab File: VX000289.D

Acq: 13 Mar 2018 09:58

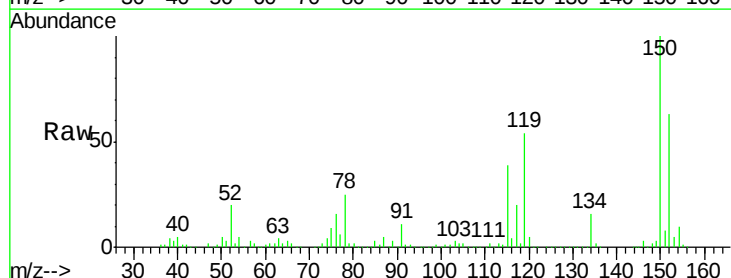
Tgt Ion:152 Resp: 188101

Ion Ratio Lower Upper

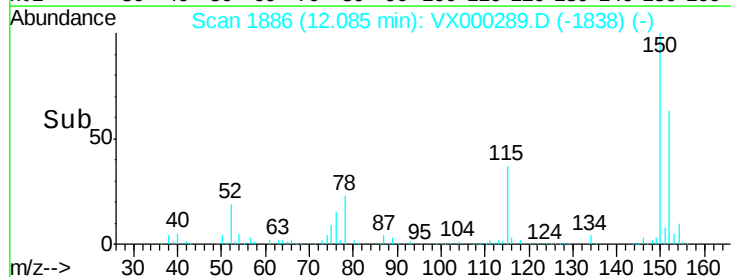
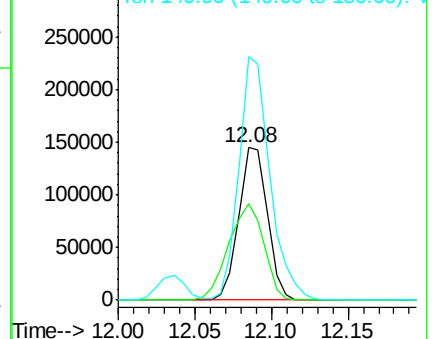
152 100

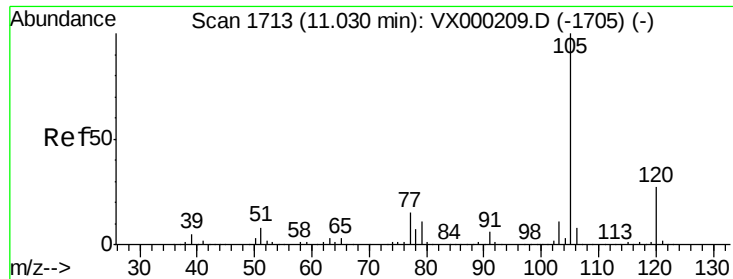
115 77.7 39.8 119.3

150 173.1 0.0 345.0



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





#73

Isopropylbenzene

Concen: 48.67 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.01 min

Lab File: VX000289.D

Acq: 13 Mar 2018 09:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 573126

Ion Ratio Lower Upper

105 100

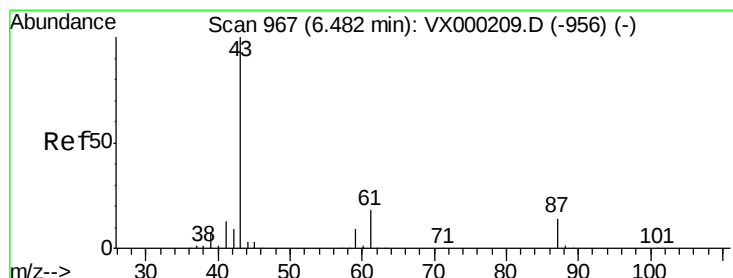
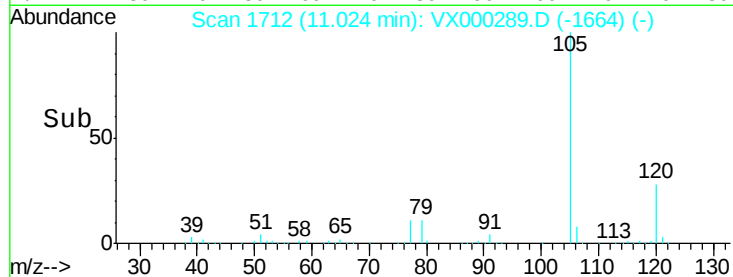
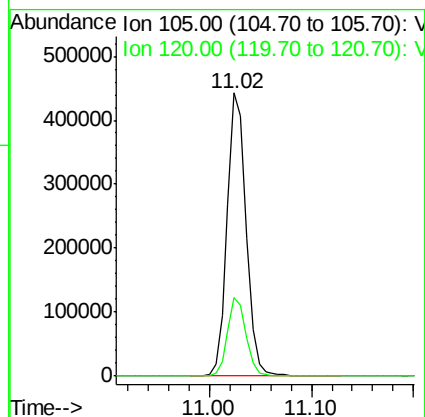
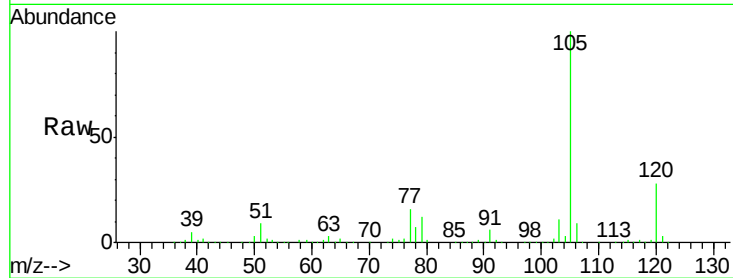
120 27.0 13.5 40.4

Manual Integrations

APPROVED

sam

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#74

N-ethyl acetate

Concen: 43.37 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.01 min

Lab File: VX000289.D

Acq: 13 Mar 2018 09:58

Tgt Ion: 43 Resp: 261323

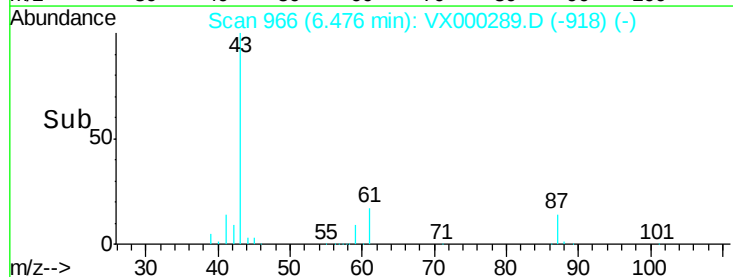
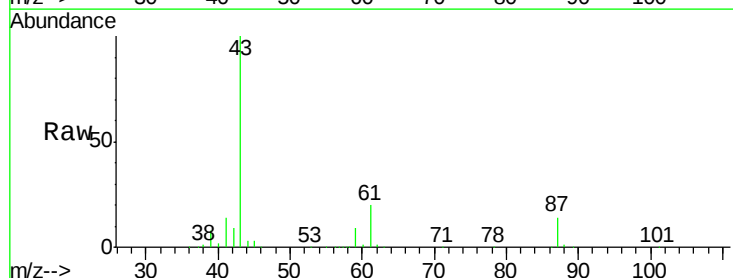
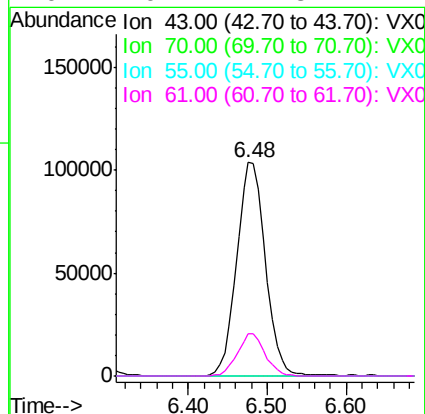
Ion Ratio Lower Upper

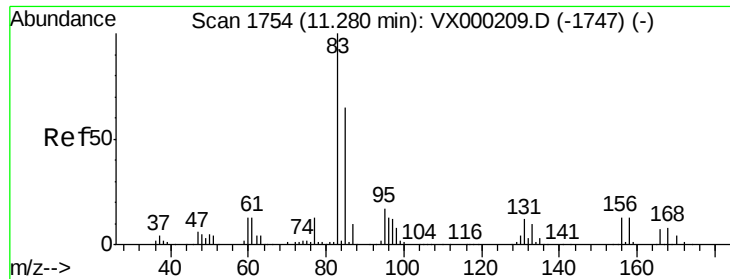
43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0#

61 19.2 14.8 22.2





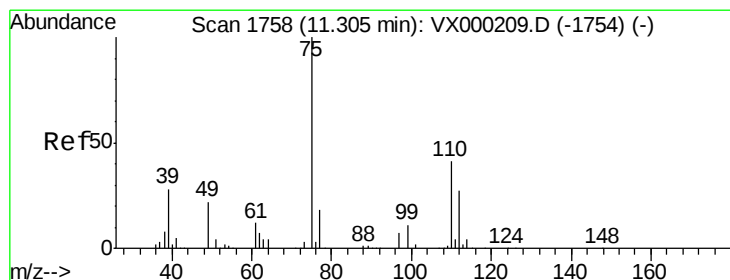
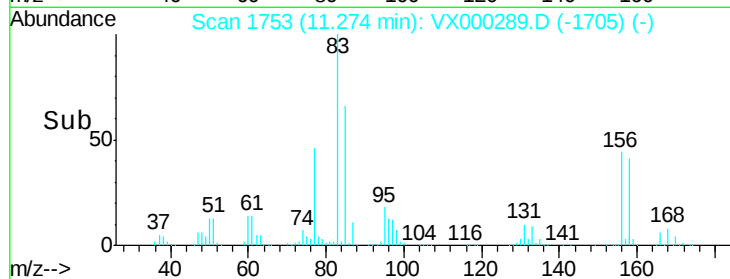
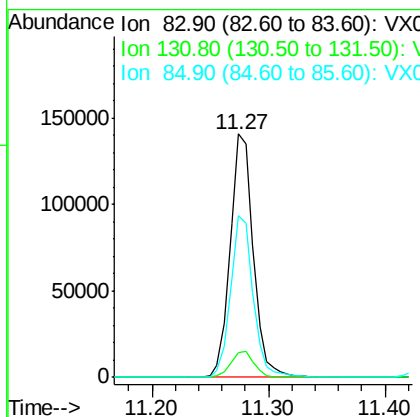
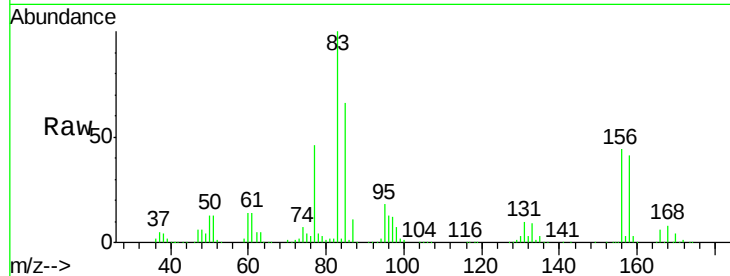
#75
 1,1,2,2-Tetrachloroethane
 Concen: 46.98 ug/l
 RT: 11.27 min Scan# 1753
 Delta R.T. -0.01 min
 Lab File: VX000289.D
 Acq: 13 Mar 2018 09:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	193943		
131	10.7	5.5	16.5	
85	65.1	32.5	97.4	

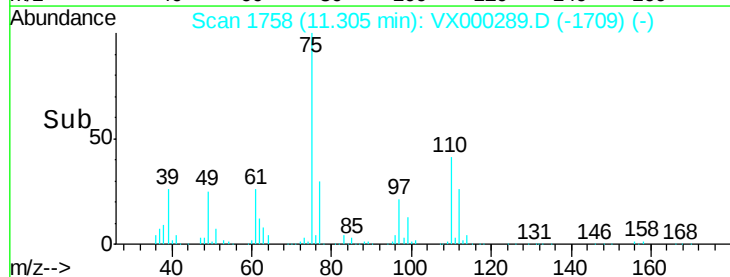
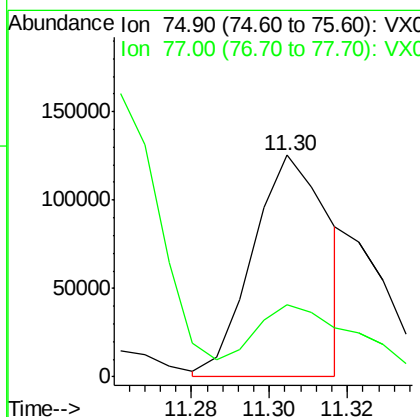
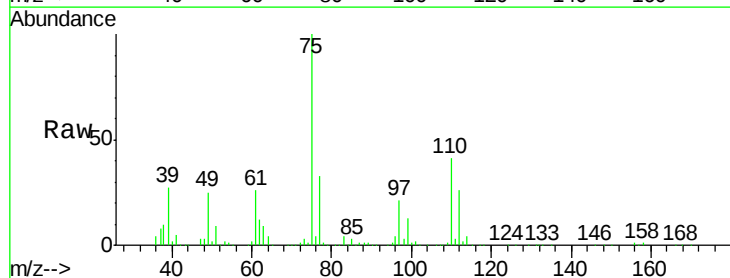
Manual Integrations
 APPROVED

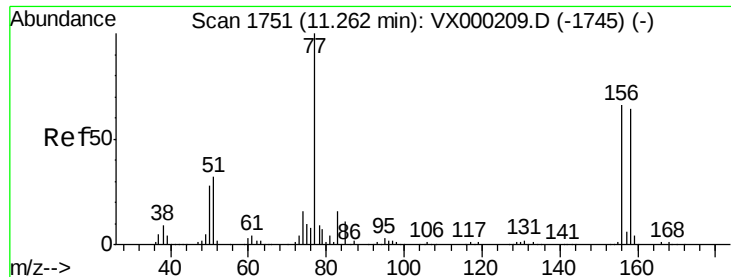
sam
 3/14/2018 2:11:42 PM



#76
 1,2,3-Trichloropropane
 Concen: 45.48 ug/l m
 RT: 11.30 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VX000289.D
 Acq: 13 Mar 2018 09:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	171487		
77	44.0	22.3	66.8	





#77

Bromobenzene

Concen: 49.77 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX000289.D

Acq: 13 Mar 2018 09:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 151547

Ion Ratio Lower Upper

156 100

77 137.2 71.9 215.7

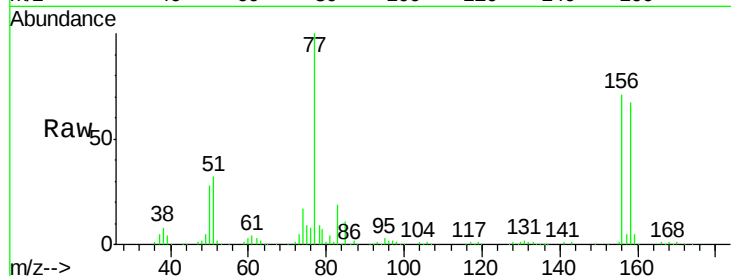
158 95.0 48.0 144.2

Manual Integrations

APPROVED

sam

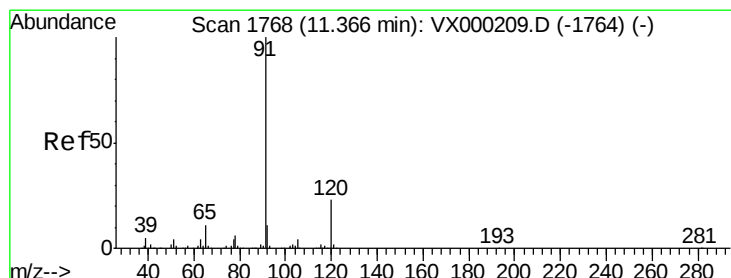
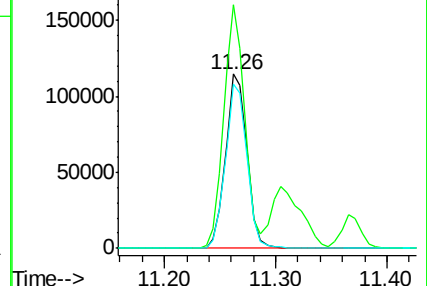
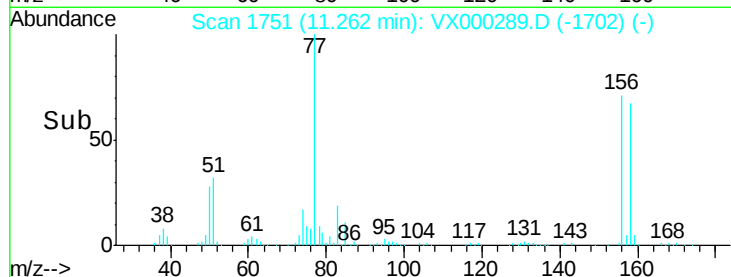
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.93 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX000289.D

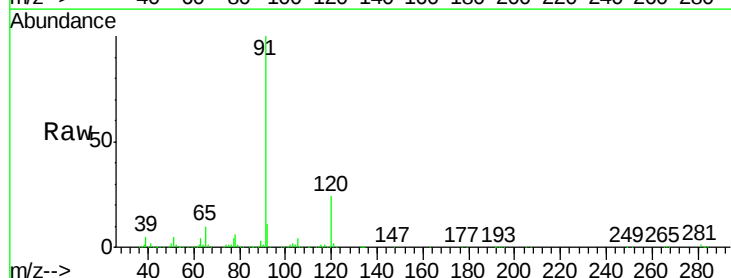
Acq: 13 Mar 2018 09:58

Tgt Ion: 91 Resp: 664377

Ion Ratio Lower Upper

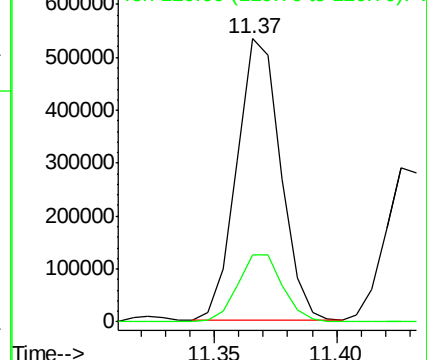
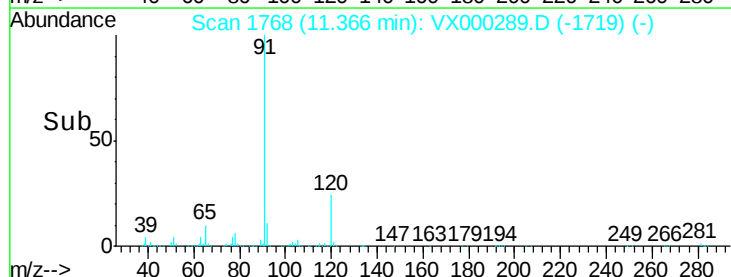
91 100

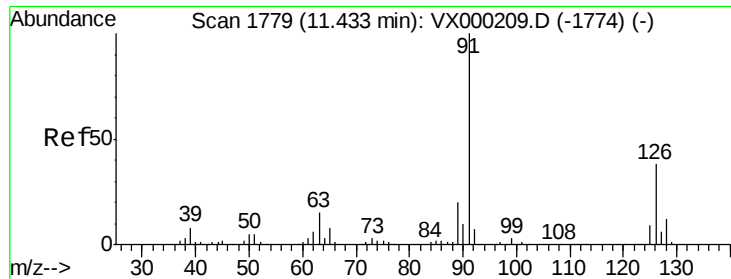
120 24.5 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.31 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VX000289.D

Acq: 13 Mar 2018 09:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 377750

Ion Ratio Lower Upper

91 100

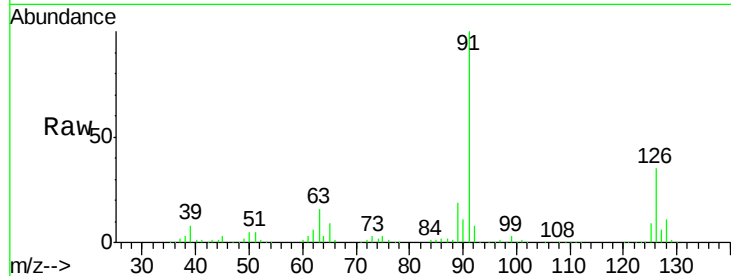
126 36.9 18.4 55.2

Manual Integrations

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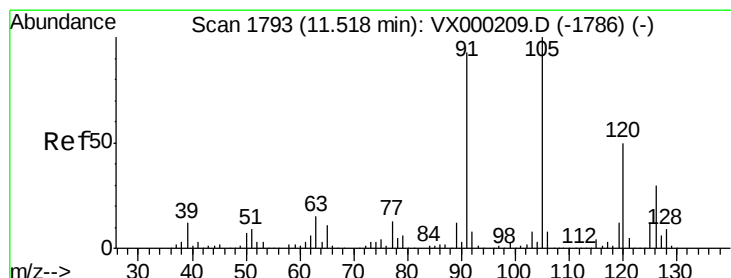
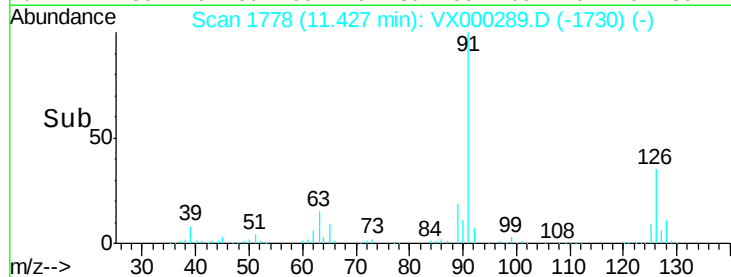
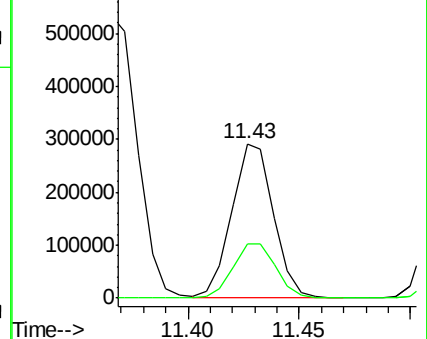
sam

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 49.76 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.01 min

Lab File: VX000289.D

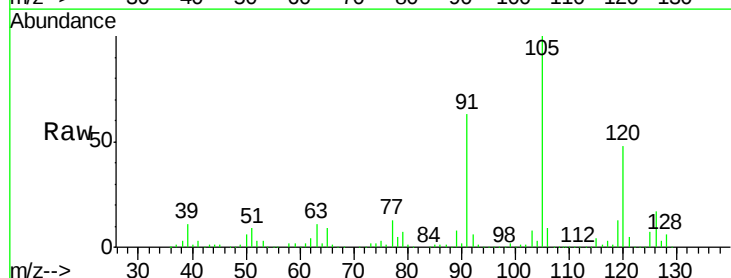
Acq: 13 Mar 2018 09:58

Tgt Ion: 105 Resp: 489298

Ion Ratio Lower Upper

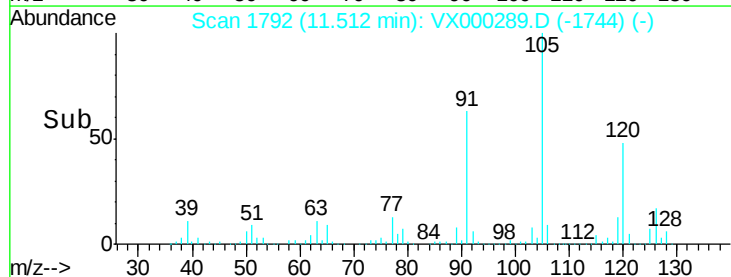
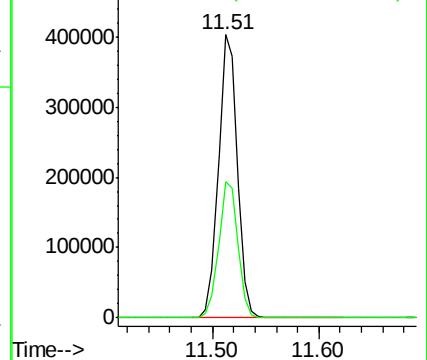
105 100

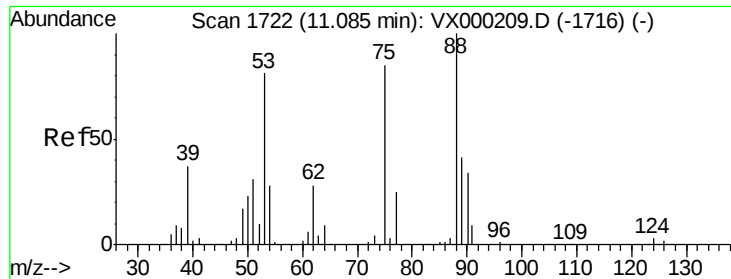
120 49.0 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





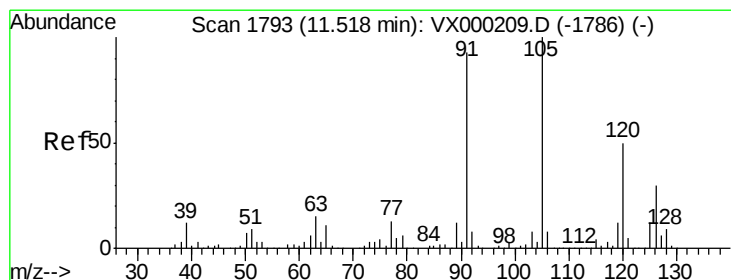
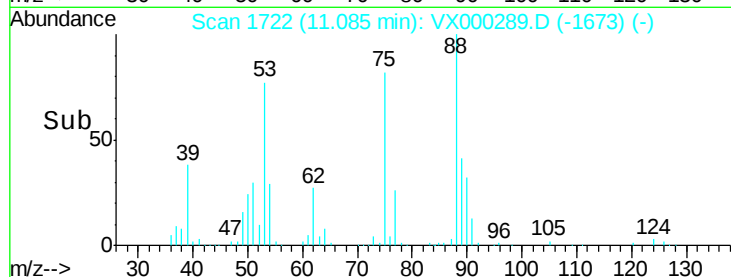
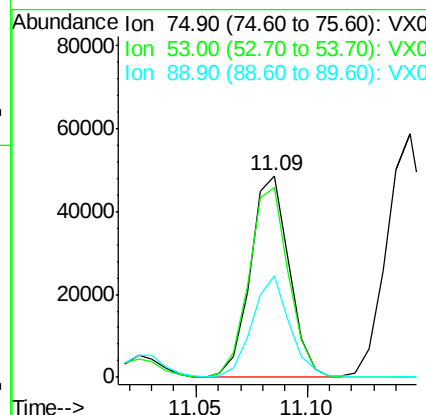
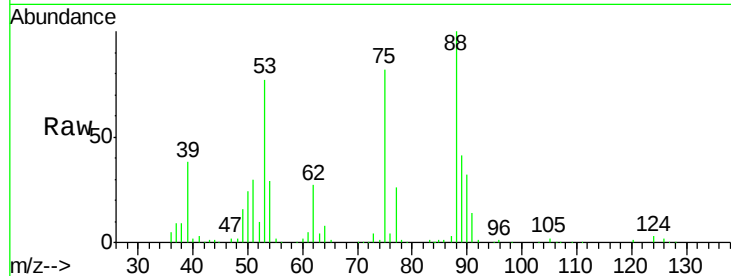
#81
trans-1,4-Dichloro-2-butene
Concen: 47.56 ug/l
RT: 11.09 min Scan# 1722
Delta R.T. -0.00 min
Lab File: VX000289.D
Acq: 13 Mar 2018 09:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.2	78.6	118.0
89	49.2	38.8	58.2

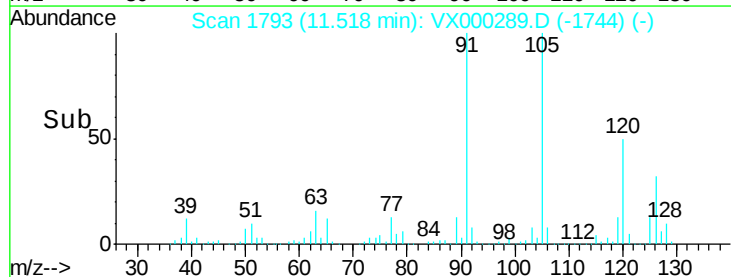
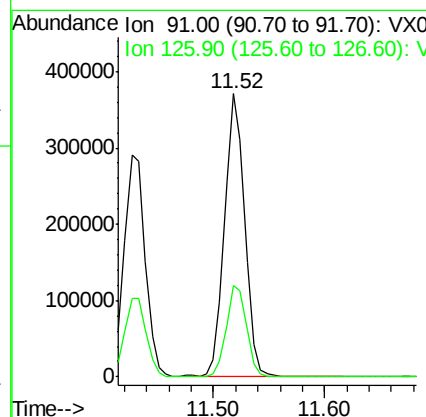
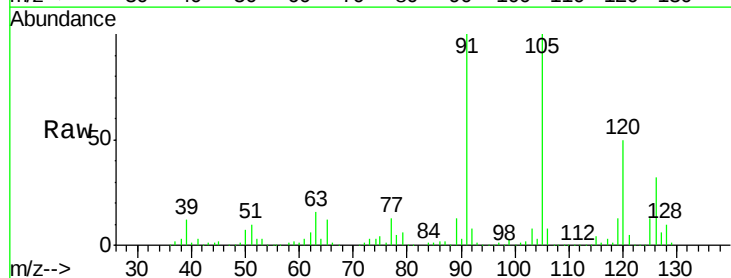
Manual Integrations
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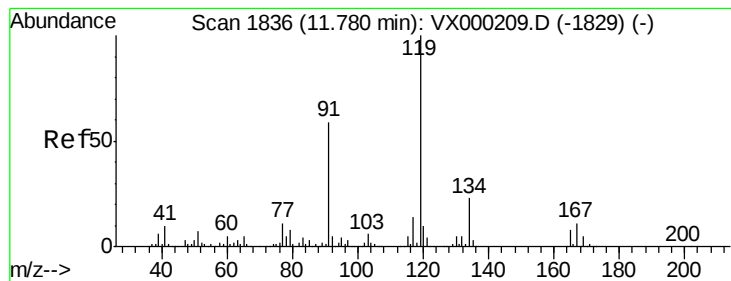
sam
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#82
4-Chlorotoluene
Concen: 48.96 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VX000289.D
Acq: 13 Mar 2018 09:58

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.0	48.0





#83

tert-Butylbenzene

Concen: 50.53 ug/l

RT: 11.78 min Scan# 1836

Delta R.T. -0.00 min

Lab File: VX000289.D

Acq: 13 Mar 2018 09:58

Instrument :

MSVOA_X

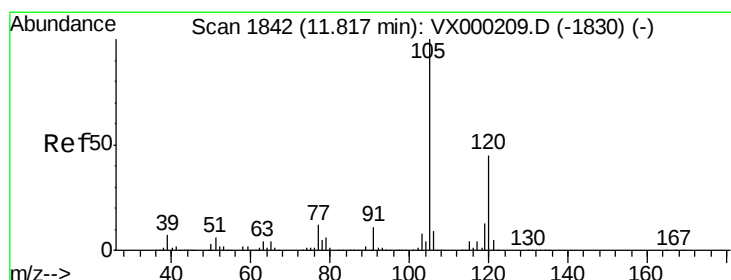
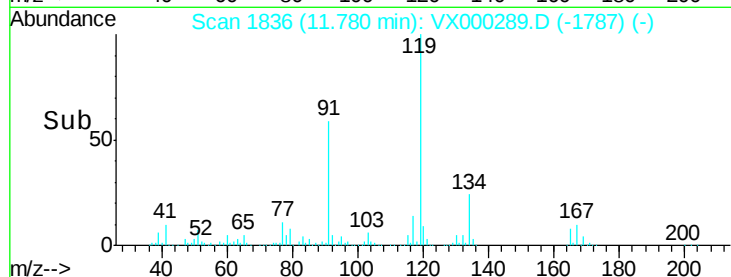
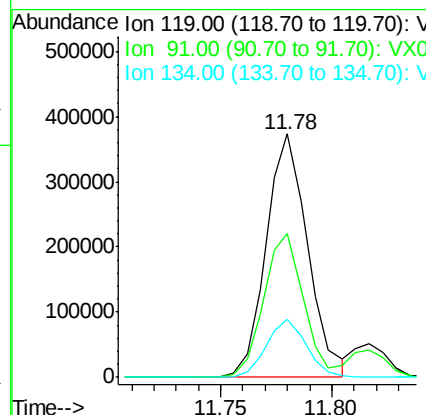
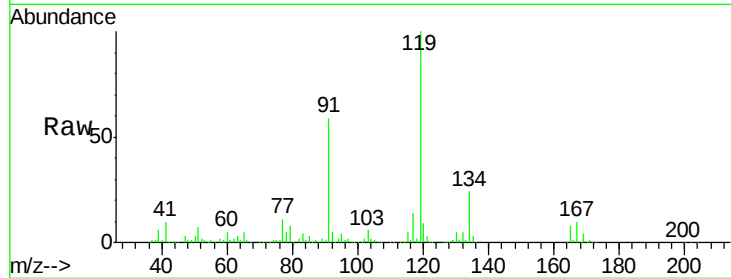
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	483430
Ion Ratio		Lower	Upper
119	100		
91	56.1	28.9	86.7
134	23.1	11.5	34.4

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 49.99 ug/l

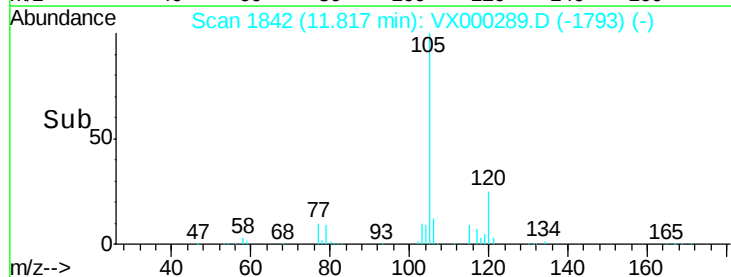
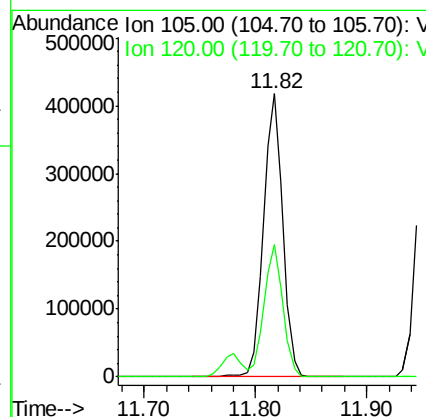
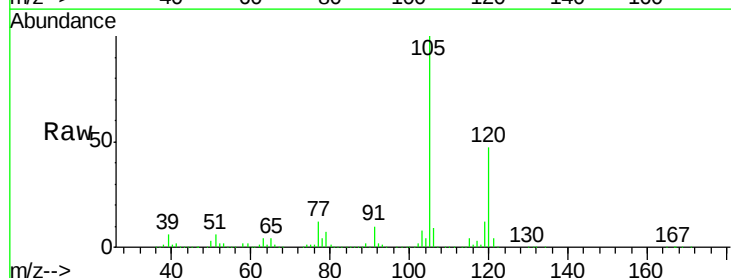
RT: 11.82 min Scan# 1842

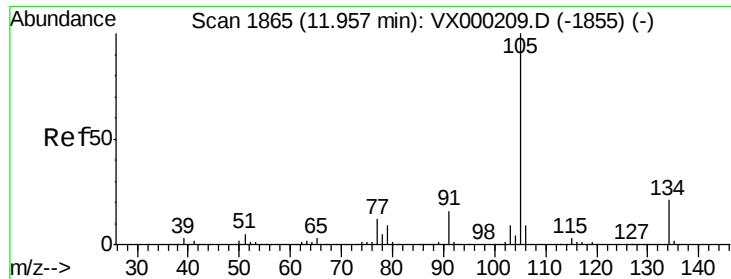
Delta R.T. -0.00 min

Lab File: VX000289.D

Acq: 13 Mar 2018 09:58

Tgt Ion:	105	Resp:	505488
Ion Ratio		Lower	Upper
105	100		
120	45.8	23.0	69.0





#85

sec-Butylbenzene

Concen: 49.91 ug/l

RT: 11.96 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VX000289.D

Acq: 13 Mar 2018 09:58

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 604036

Ion Ratio Lower Upper

105 100

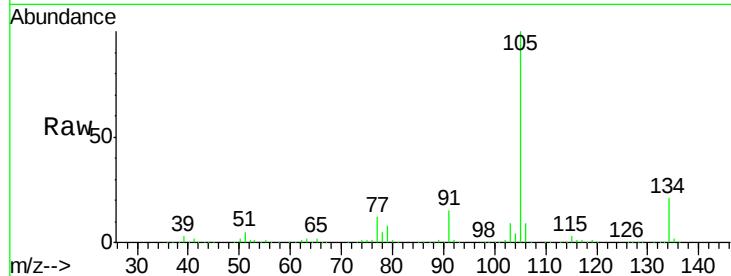
134 21.2 10.3 30.9

Manual Integrations

APPROVED

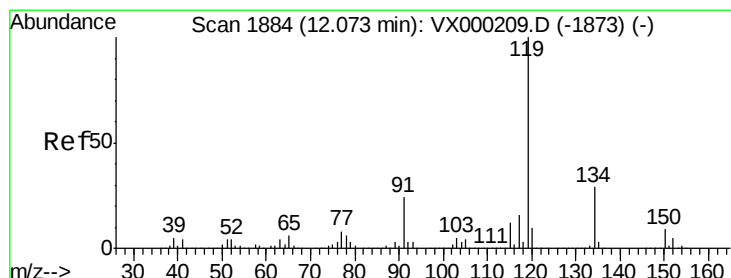
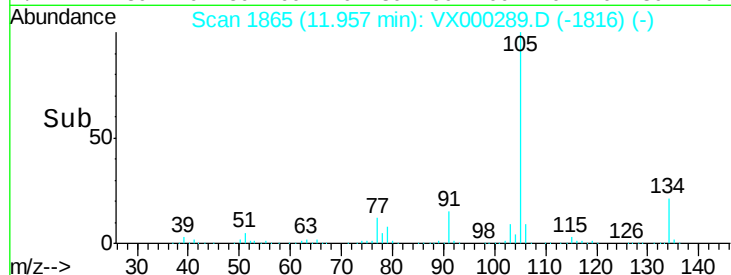
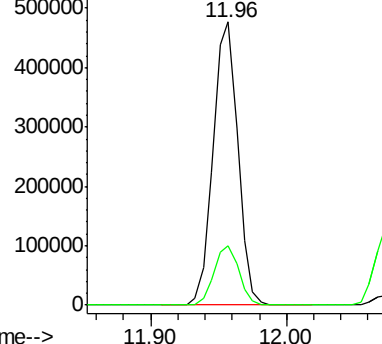
sam

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.60 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VX000289.D

Acq: 13 Mar 2018 09:58

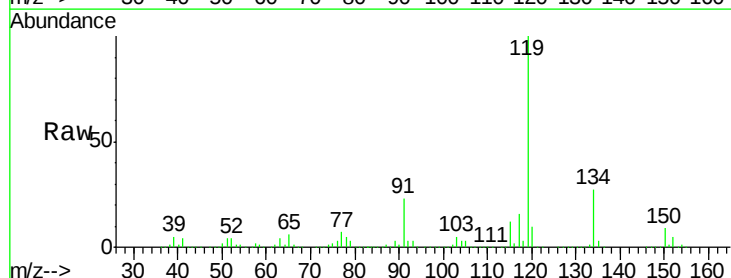
Tgt Ion:119 Resp: 550618

Ion Ratio Lower Upper

119 100

134 27.1 13.8 41.3

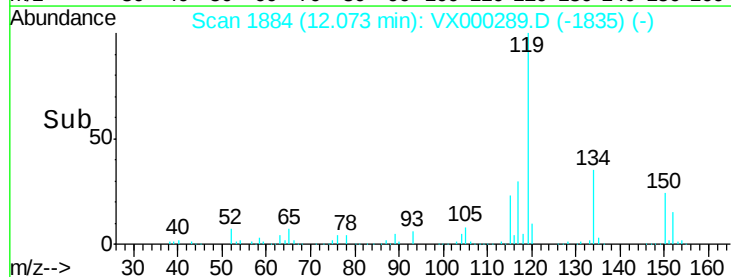
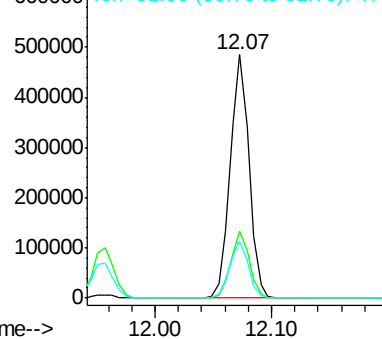
91 23.2 12.0 36.0

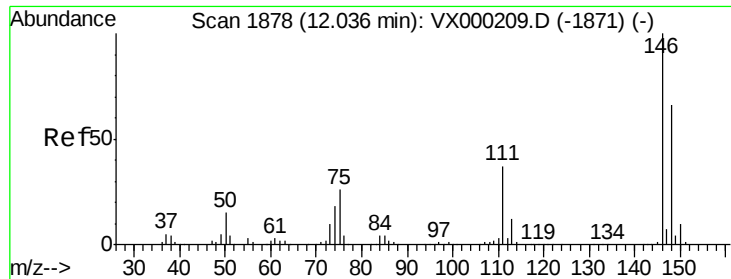


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 50.92 ug/l

RT: 12.04 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VX000289.D

Acq: 13 Mar 2018 09:58

Instrument :

MSVOA_X

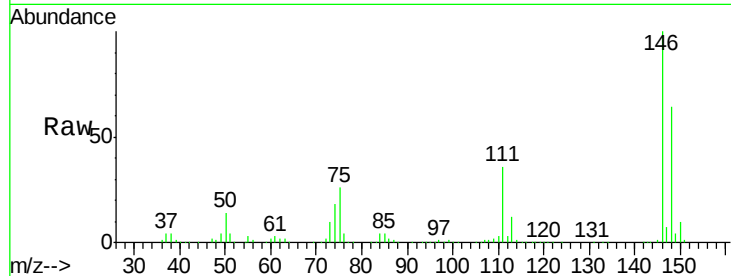
ClientSampleId :

VSTDCCC050

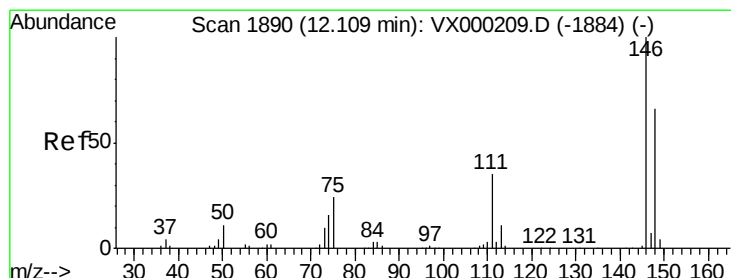
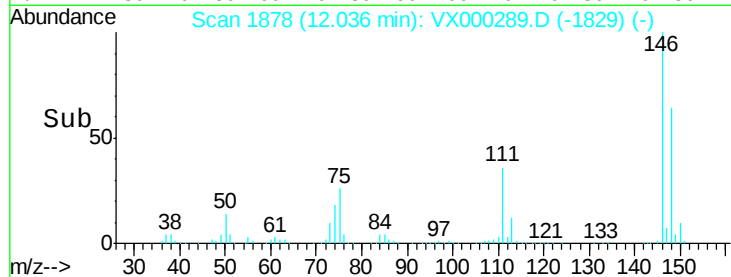
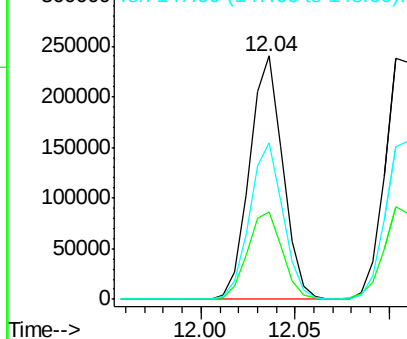
Tot Ion:	146	Resp:	294758
Ion Ratio	Lower	Upper	
146	100		
111	37.5	19.0	57.0
148	64.5	32.1	96.3

Manual Integrations
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 49.75 ug/l

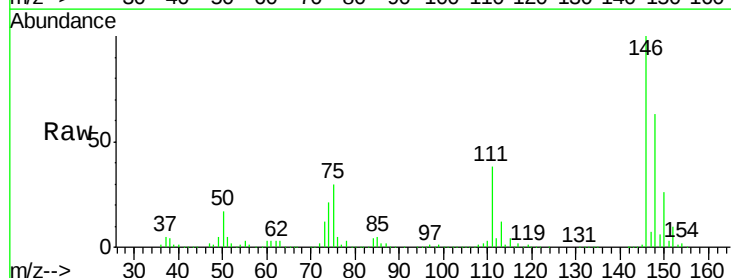
RT: 12.10 min Scan# 1889

Delta R.T. -0.01 min

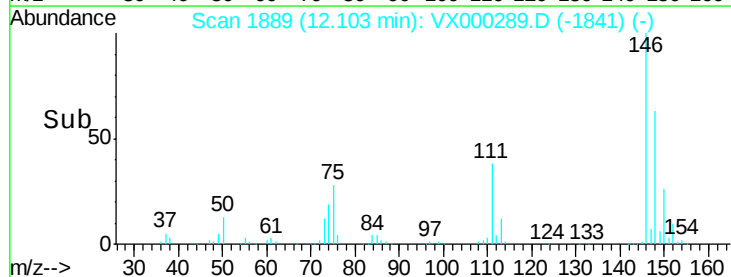
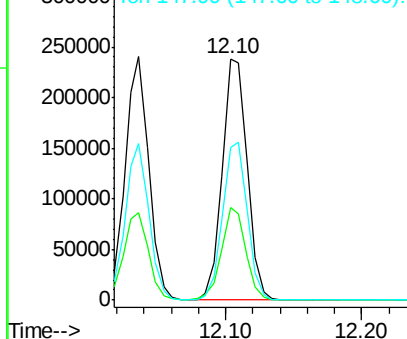
Lab File: VX000289.D

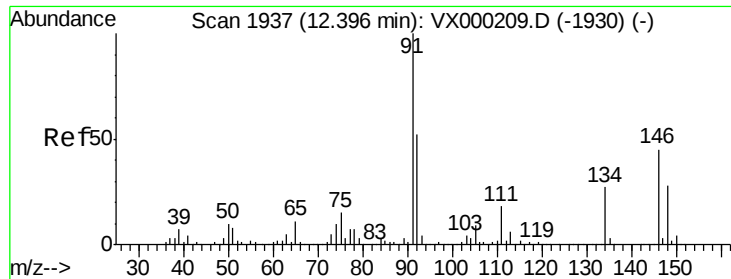
Acq: 13 Mar 2018 09:58

Tgt Ion:	146	Resp:	301834
Ion Ratio	Lower	Upper	
146	100		
111	37.4	18.9	56.9
148	64.9	32.6	97.8



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





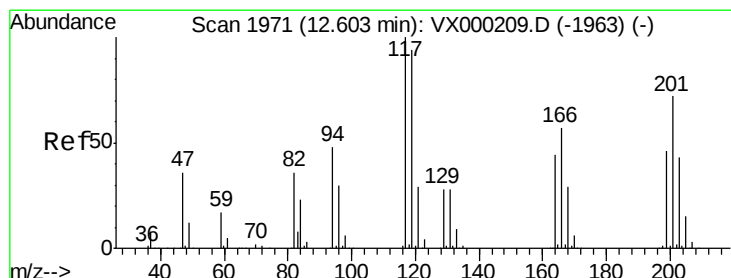
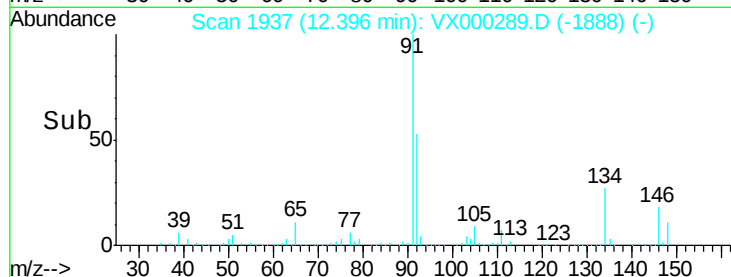
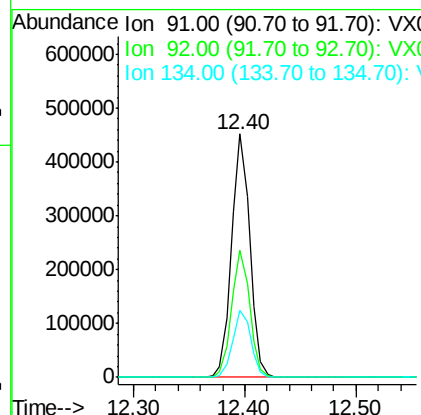
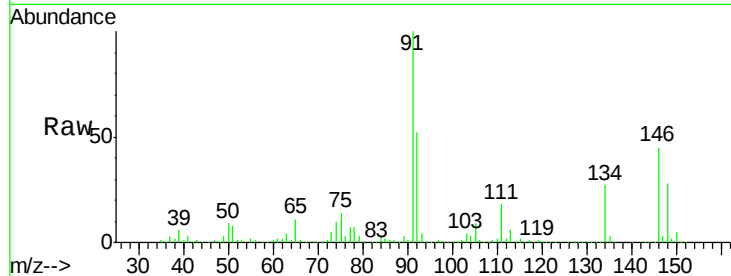
#89
n-Butylbenzene
Concen: 49.65 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX000289.D
Acq: 13 Mar 2018 09:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	25.8	77.4
134	27.6	13.5	40.5

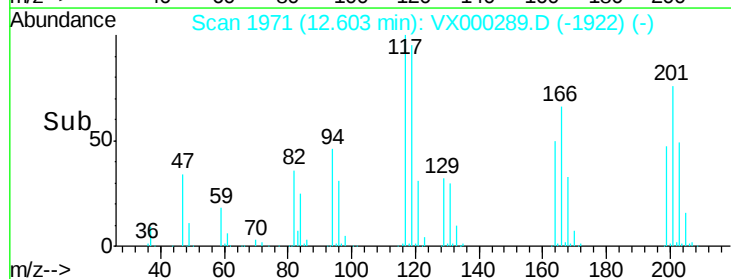
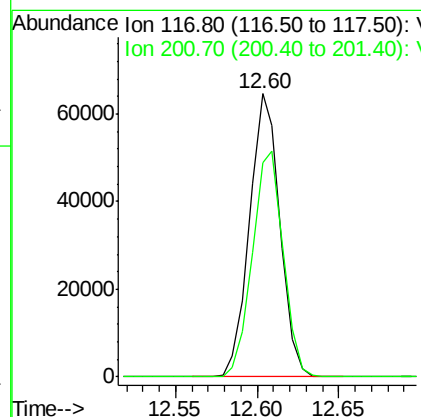
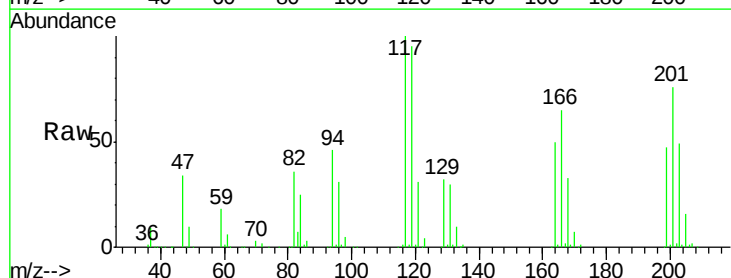
Manual Integrations
APPROVED

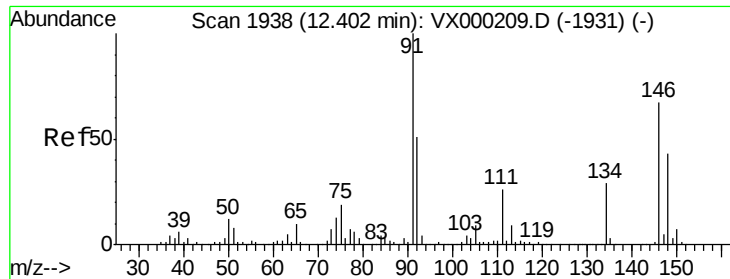
3/14/2018 2:11:42 PM



#90
Hexachloroethane
Concen: 48.75 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX000289.D
Acq: 13 Mar 2018 09:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.9	38.2	114.6





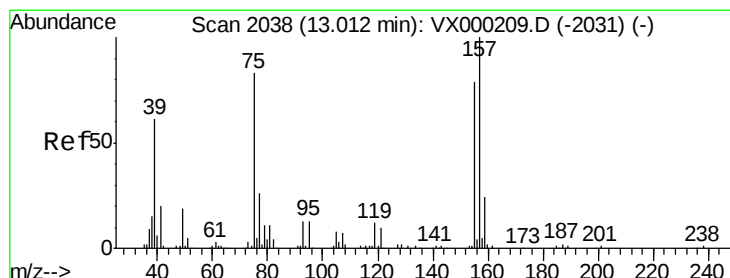
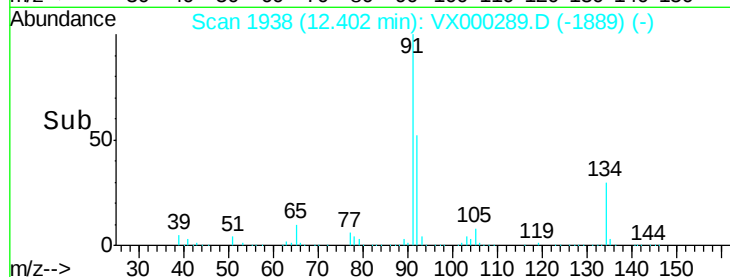
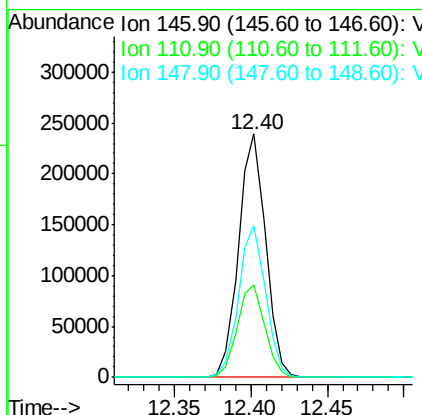
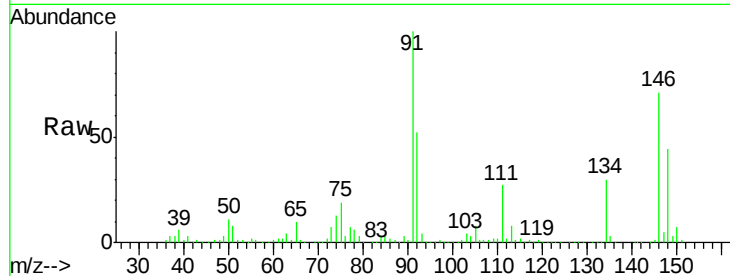
#91
 1,2-Dichlorobenzene
 Concen: 51.00 ug/l
 RT: 12.40 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VX000289.D
 Acq: 13 Mar 2018 09:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.7	59.0
148	62.6	32.0	96.0

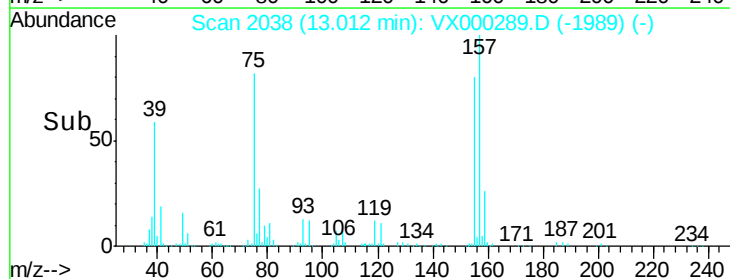
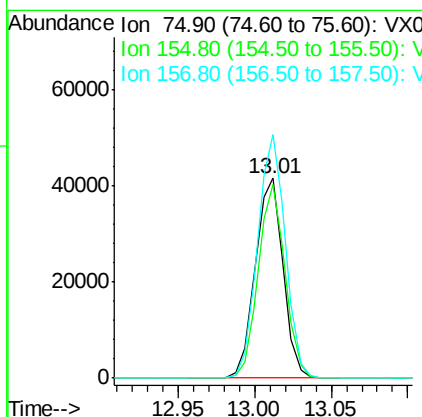
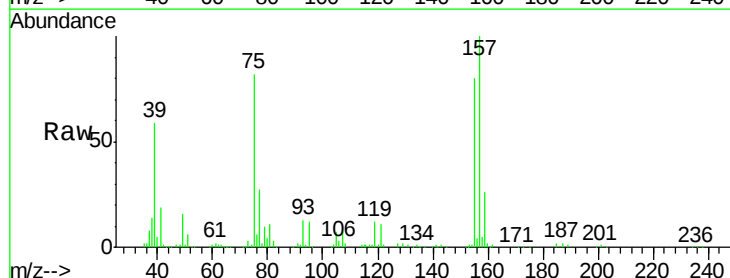
Manual Integrations
 APPROVED

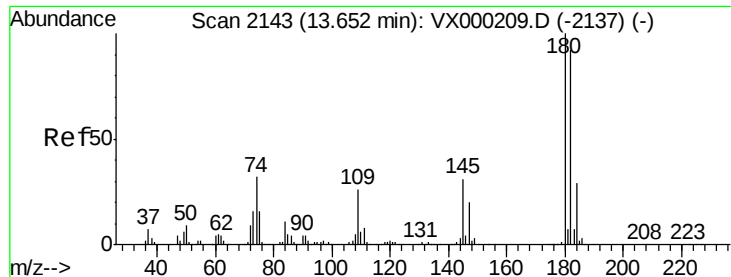
sam
 3/14/2018 2:11:42 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.47 ug/l
 RT: 13.01 min Scan# 2038
 Delta R.T. -0.00 min
 Lab File: VX000289.D
 Acq: 13 Mar 2018 09:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.4	45.5	136.5
157	121.1	58.6	175.8





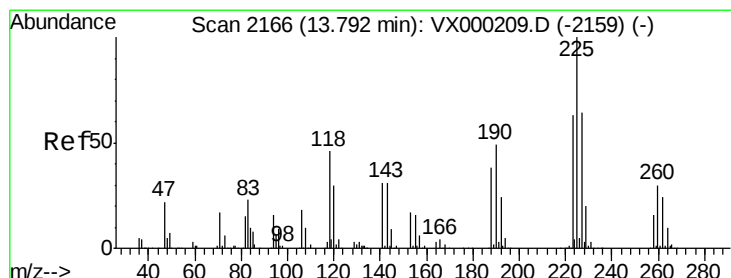
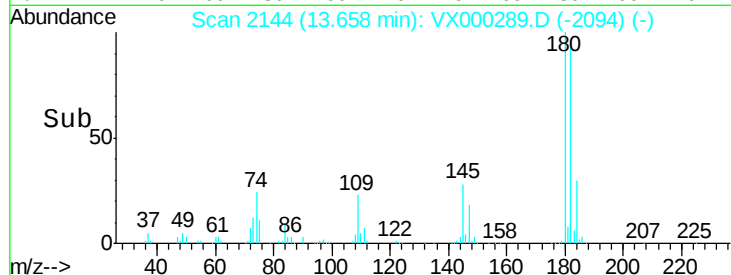
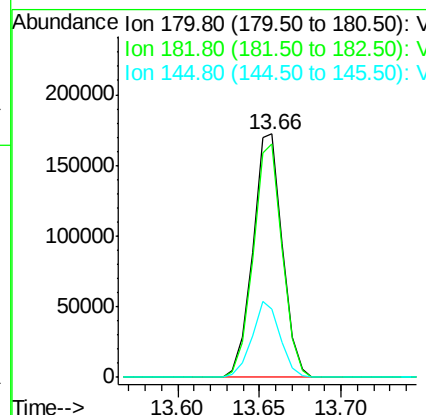
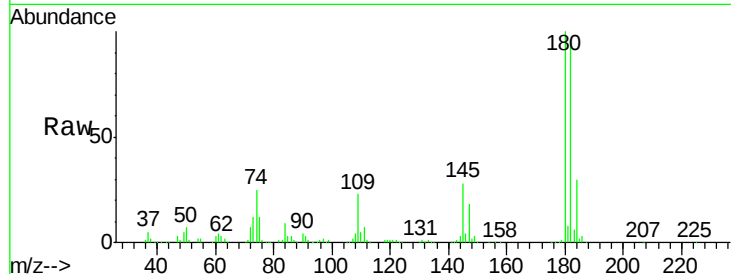
#93
 1,2,4-Trichlorobenzene
 Concen: 52.10 ug/l
 RT: 13.66 min Scan# 2144
 Delta R.T. 0.01 min
 Lab File: VX000289.D
 Acq: 13 Mar 2018 09:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.0	141.0
145	29.7	15.3	45.9

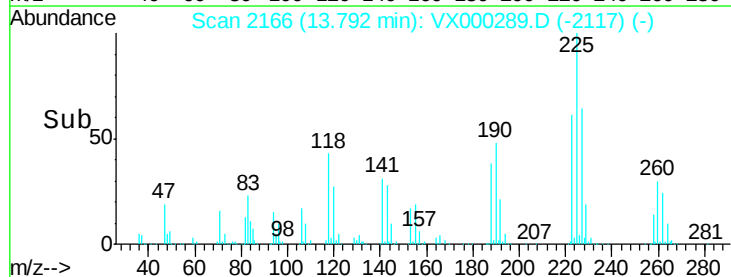
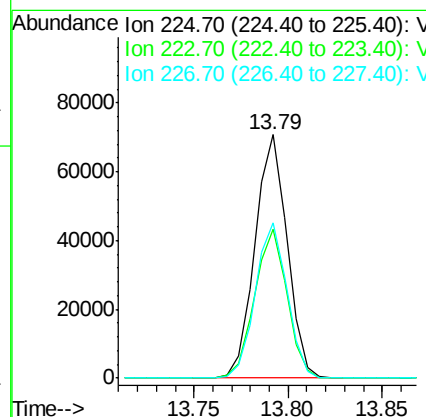
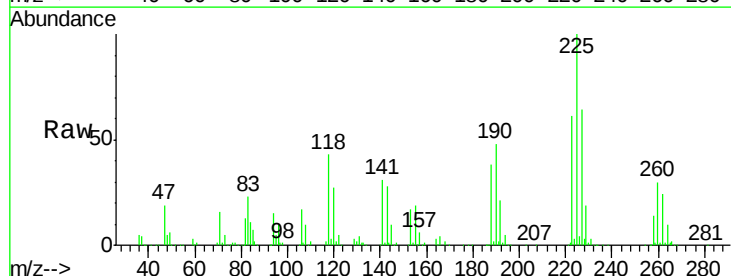
Manual Integrations
 APPROVED

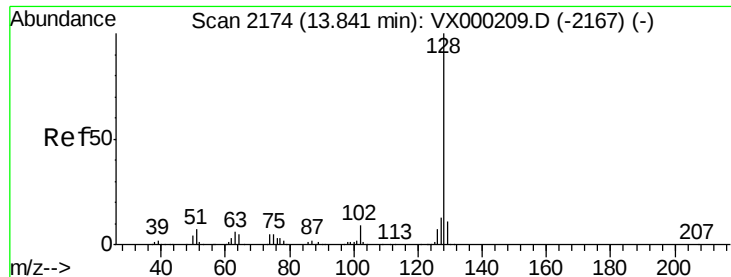
sam
 3/14/2018 2:11:42 PM



#94
 Hexachlorobutadiene
 Concen: 48.17 ug/l
 RT: 13.79 min Scan# 2166
 Delta R.T. -0.00 min
 Lab File: VX000289.D
 Acq: 13 Mar 2018 09:58

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	31.8	95.3
227	63.1	31.9	95.5





#95

Naphthalene

Concen: 50.24 ug/l

RT: 13.85 min Scan# 2175

Delta R.T. 0.01 min

Lab File: VX000289.D

Acq: 13 Mar 2018 09:58

Instrument :

MSVOA_X

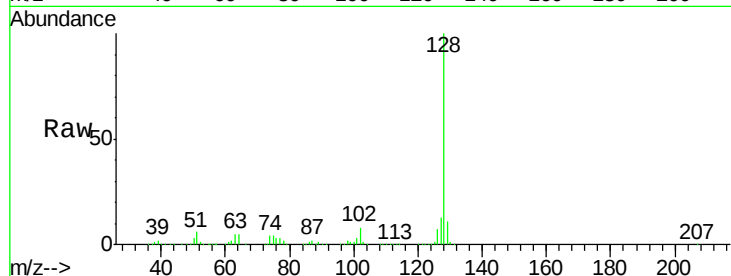
ClientSampleId :

VSTDCCC050

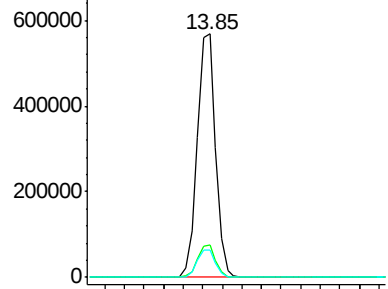
Tot Ion:	128	Resp:	730947
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.5	15.7
129	11.2	8.6	13.0

Manual Integrations
APPROVED

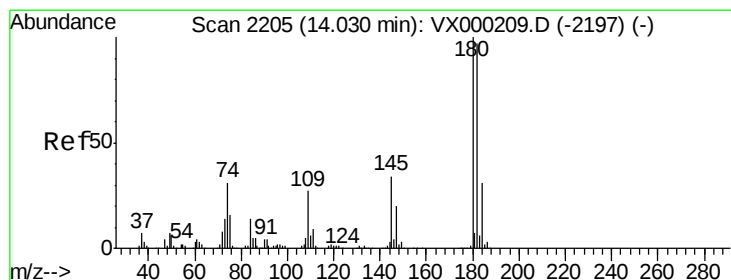
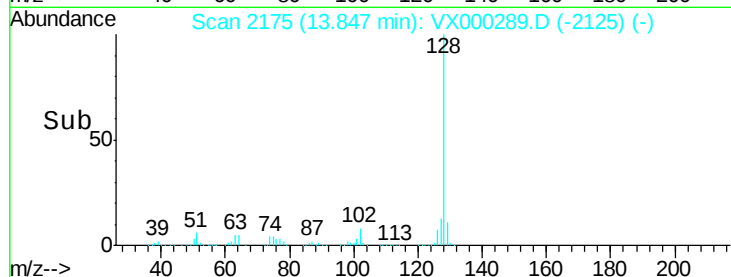
sam
3/14/2018 2:11:42 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 51.80 ug/l

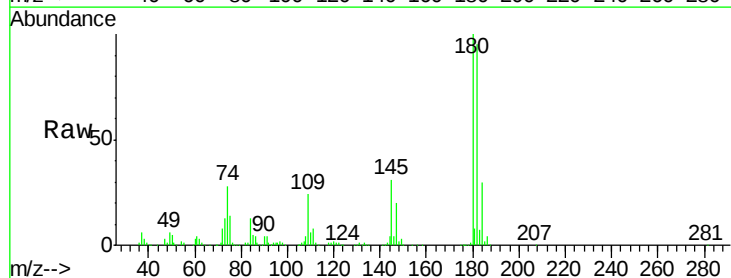
RT: 14.03 min Scan# 2205

Delta R.T. -0.00 min

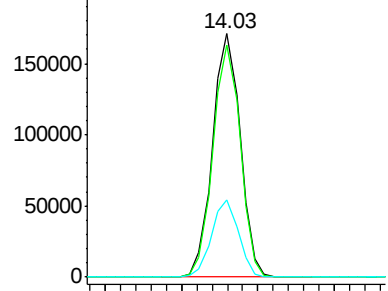
Lab File: VX000289.D

Acq: 13 Mar 2018 09:58

Tgt Ion:	180	Resp:	213653
Ion Ratio	Lower	Upper	
180	100		
182	94.6	48.0	144.0
145	30.9	16.3	48.8



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V



Time-->

