

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VO080720\
 Data File : VX017826.D
 Acq On : 07 Aug 2020 15:35
 Operator : JC/SP
 Sample : L3675-04
 Misc : 25.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GAY86

Quant Time: Aug 08 01:21:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR080720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Aug 08 00:10:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	288970	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	271285	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	140451	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	99086	4.96	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.20%
7) Chloroethane-d5	1.69	69	83223	5.25	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.00%
11) 1,1-Dichloroethene-d2	2.34	63	175627	4.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.40%
20) 2-Butanone-d5	4.53	46	259050	48.85	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.70%
24) Chloroform-d	5.14	84	212678	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.00%
26) 1,2-Dichloroethane-d4	6.03	65	110110	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.00%
32) Benzene-d6	6.05	84	382365	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.60%
36) 1,2-Dichloropropane-d6	7.37	67	119917	5.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.20%
41) Toluene-d8	8.70	98	361912	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.00%
45) trans-1,3-Dichloropropene-	8.99	79	48172	4.83	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.60%
48) 2-Hexanone-d5	9.43	63	202763	48.93	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.86%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	84319	4.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.40%
65) 1,2-Dichlorobenzene-d4	12.36	152	143607	5.31	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.18	85	108003	3.215	ug/L 99
5) Vinyl chloride	1.39	62	116294	4.273	ug/L 96
6) Bromomethane	1.63	94	1578	0.100	ug/L 79
8) Chloroethane	1.71	64	238882	15.692	ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.36	101	271593	11.362	ug/L 97
12) 1,1-Dichloroethene	2.36	96	52719	2.380	ug/L # 79
13) Acetone	2.42	43	530263	136.863	ug/L 99
15) Methyl Acetate	2.75	43	97558	8.541	ug/L 95
16) Methylene chloride	2.84	84	11076	0.362	ug/L 97
18) trans-1,2-Dichloroethene	3.14	96	68116	2.710	ug/L 96
19) 1,1-Dichloroethane	3.67	63	91538	2.042	ug/L 99
22) cis-1,2-Dichloroethene	4.56	96	107231	4.066	ug/L # 97
23) Bromochloromethane	4.98	128	61466	4.980	ug/L 93
25) Chloroform	5.18	83	372698	7.719	ug/L 93
27) 1,2-Dichloroethane	6.17	62	58870	1.901	ug/L 99
29) 1,1,1-Trichloroethane	5.46	97	91527	2.057	ug/L 99
31) Carbon tetrachloride	5.76	117	124095	3.025	ug/L 99

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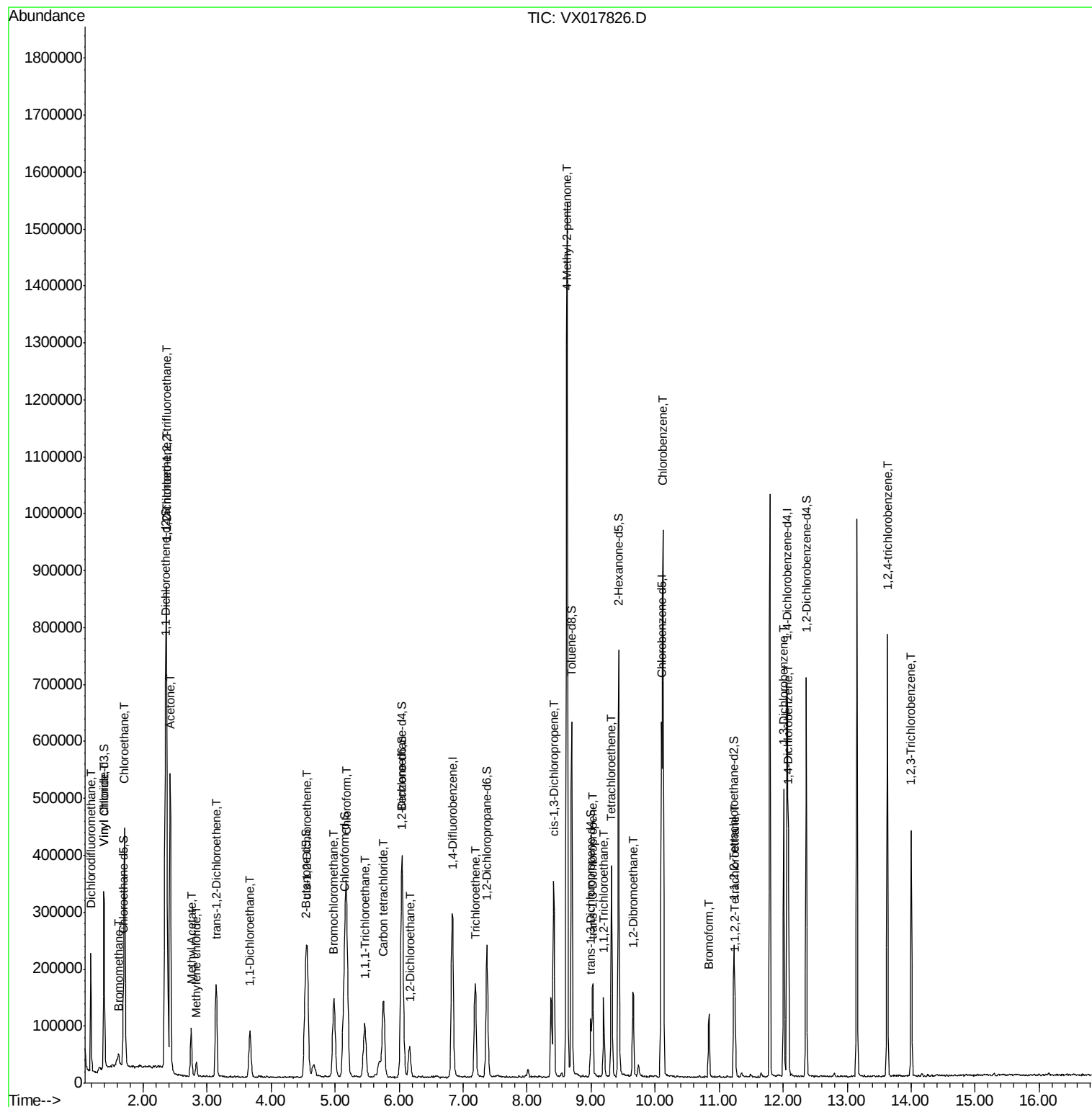
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Trichloroethene	7.19	95	59342	2.117	ug/L	92
39) cis-1,3-Dichloropropene	8.41	75	178205	4.793	ug/L	98
40) 4-Methyl-2-pentanone	8.62	43	852371	54.207	ug/L	100
46) trans-1,3-Dichloropropene	9.02	75	79399	2.394	ug/L	98
47) 1,1,2-Trichloroethane	9.20	97	37888	2.091	ug/L	97
49) Tetrachloroethene	9.32	164	70989	3.165	ug/L	98
52) 1,2-Dibromoethane	9.65	107	82648	4.659	ug/L	95
53) Chlorobenzene	10.12	112	409459	6.034	ug/L	98
60) 1,1,2,2-Tetrachloroethane	11.25	83	34308	1.724	ug/L #	98
62) Bromoform	10.84	173	41468	2.952	ug/L	97
63) 1,3-Dichlorobenzene	12.01	146	172004	3.144	ug/L	97
64) 1,4-Dichlorobenzene	12.08	146	113024	2.077	ug/L	97
69) 1,2,4-trichlorobenzene	13.63	180	181973	5.089	ug/L	99
71) 1,2,3-Trichlorobenzene	14.00	180	102908	3.058	ug/L	99

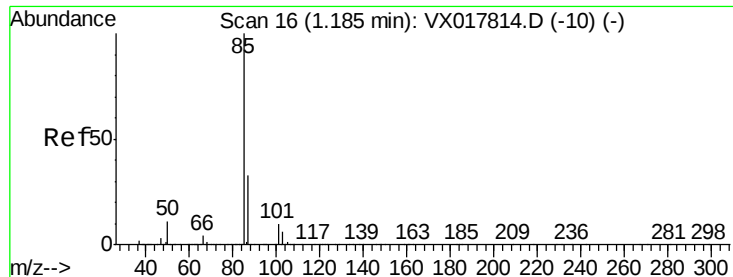
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 3.215 ug/L

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX017826.D

Acq: 07 Aug 2020 15:35

Instrument :

MSVOA_X

ClientSampleId :

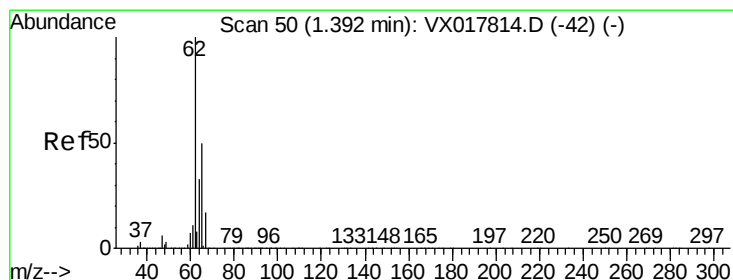
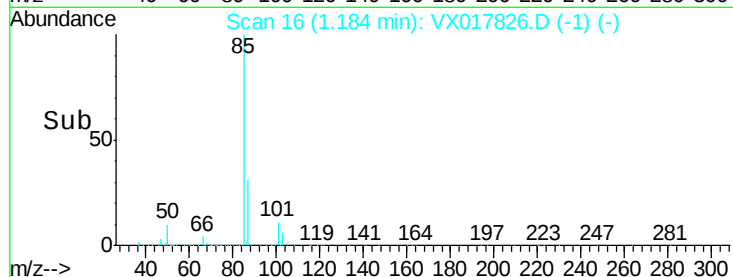
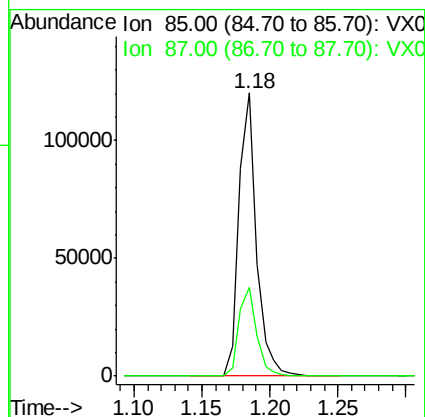
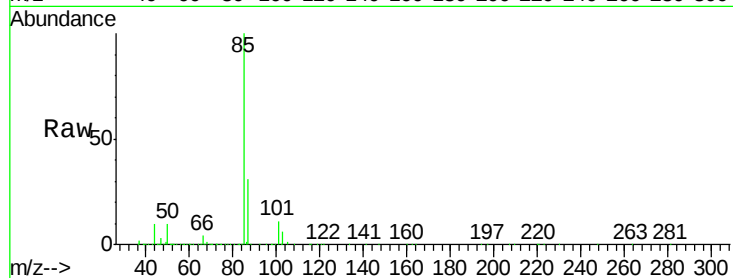
GAY86

Tgt Ion: 85 Resp: 108003

Ion Ratio Lower Upper

85 100

87 32.0 25.2 37.8



#5

Vinyl chloride

Concen: 4.273 ug/L

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX017826.D

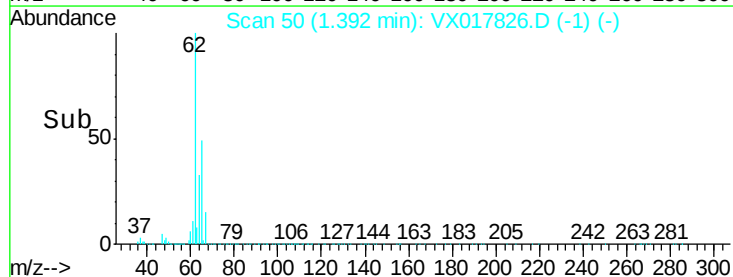
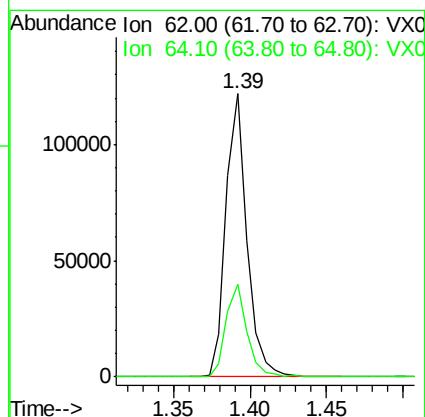
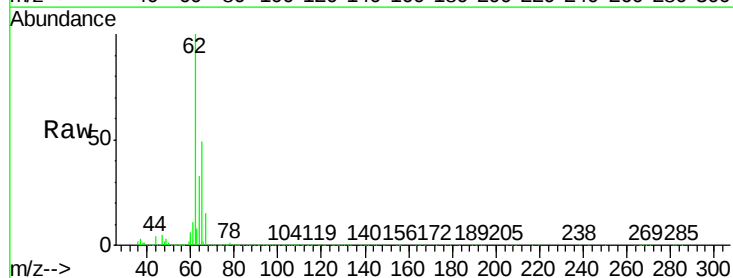
Acq: 07 Aug 2020 15:35

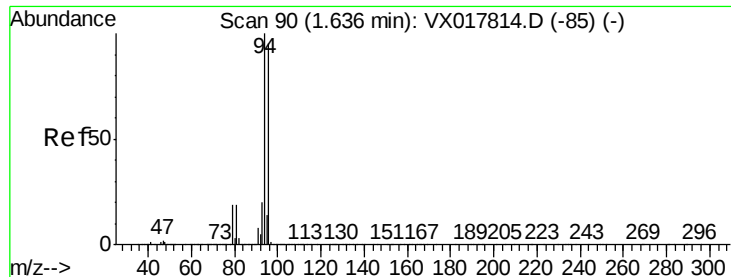
Tgt Ion: 62 Resp: 116294

Ion Ratio Lower Upper

62 100

64 32.5 21.3 39.6





#6

Bromomethane

Concen: 0.100 ug/L

RT: 1.63 min Scan# 89

Delta R.T. -0.01 min

Lab File: VX017826.D

Acq: 07 Aug 2020 15:35

Instrument :

MSVOA_X

ClientSampleId :

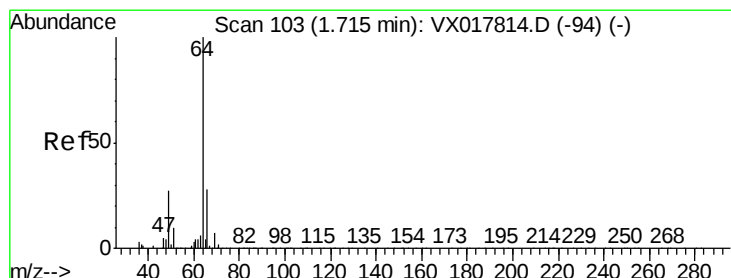
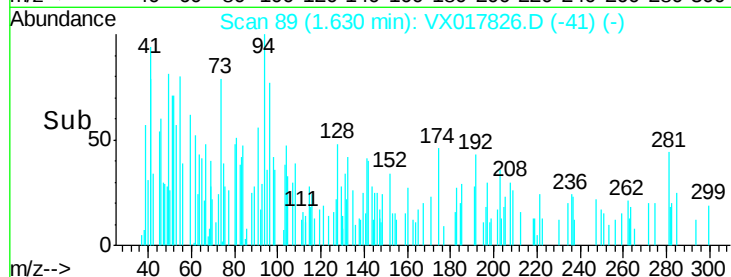
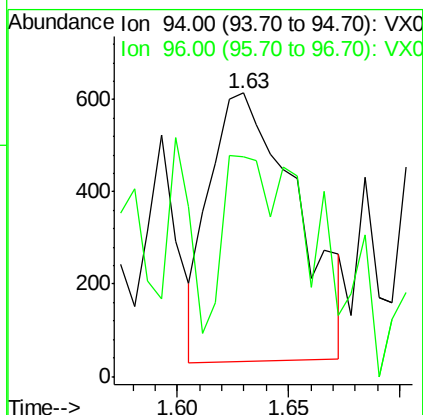
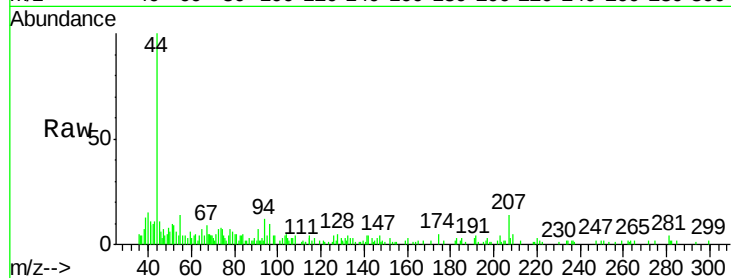
GAY86

Tgt Ion: 94 Resp: 1578

Ion Ratio Lower Upper

94 100

96 77.5 68.5 127.1



#8

Chloroethane

Concen: 15.692 ug/L

RT: 1.71 min Scan# 102

Delta R.T. -0.01 min

Lab File: VX017826.D

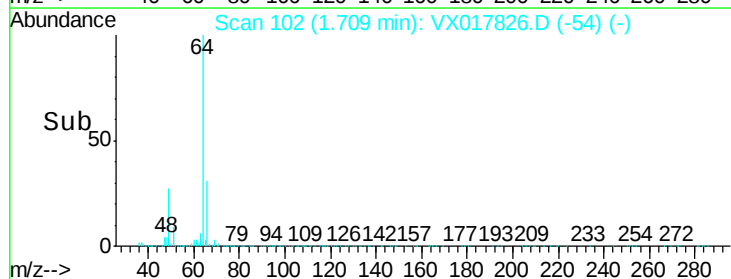
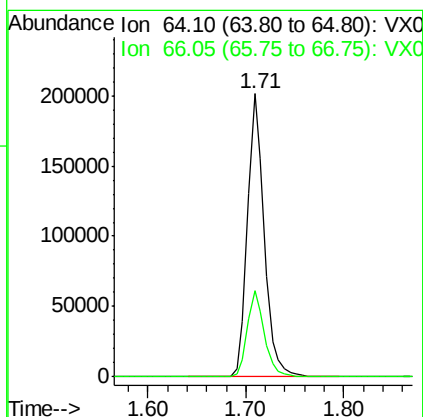
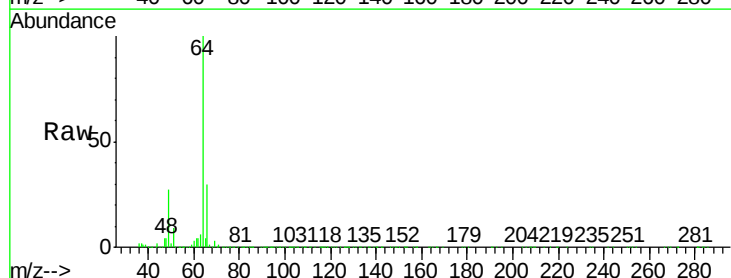
Acq: 07 Aug 2020 15:35

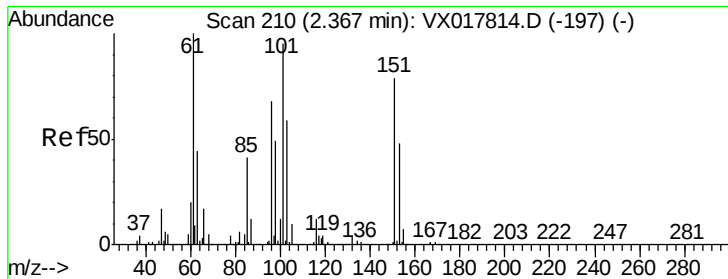
Tgt Ion: 64 Resp: 238882

Ion Ratio Lower Upper

64 100

66 30.5 22.6 42.0





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 11.362 ug/L

RT: 2.36 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX017826.D

Acq: 07 Aug 2020 15:35

Instrument :

MSVOA_X

ClientSampleId :

GAY86

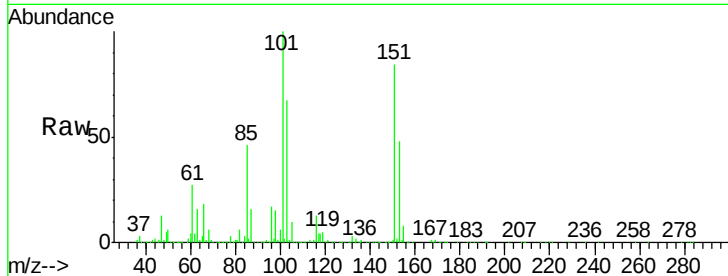
Tgt Ion: 101 Resp: 271593

Ion Ratio Lower Upper

101 100

85 45.1 34.3 51.5

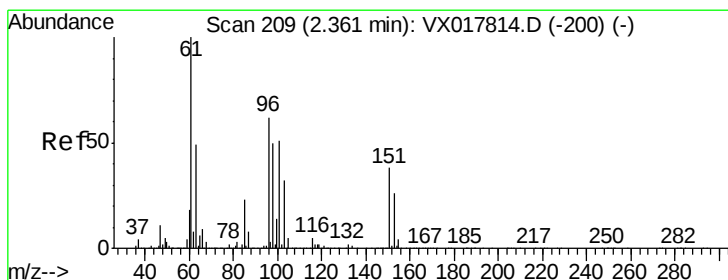
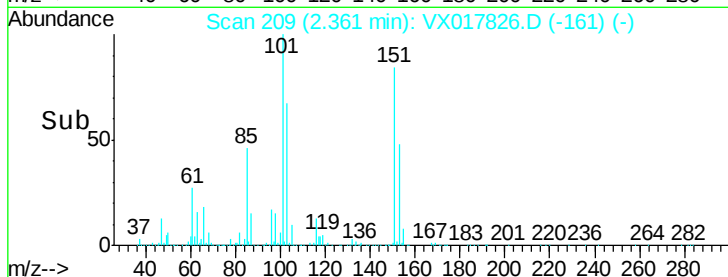
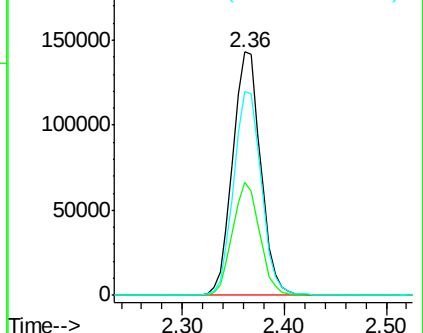
151 83.2 64.8 97.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 2.380 ug/L

RT: 2.36 min Scan# 208

Delta R.T. -0.01 min

Lab File: VX017826.D

Acq: 07 Aug 2020 15:35

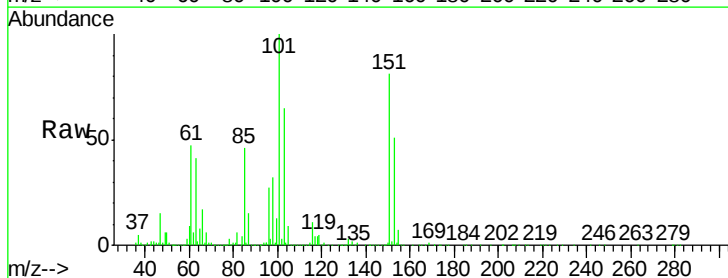
Tgt Ion: 96 Resp: 52719

Ion Ratio Lower Upper

96 100

61 174.9 123.5 229.3

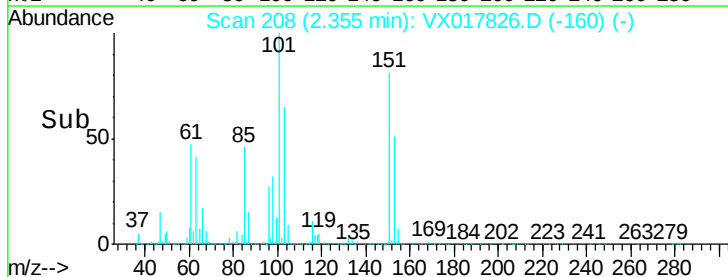
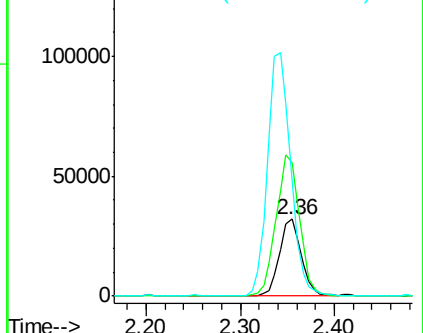
63 151.0 67.0 124.4#

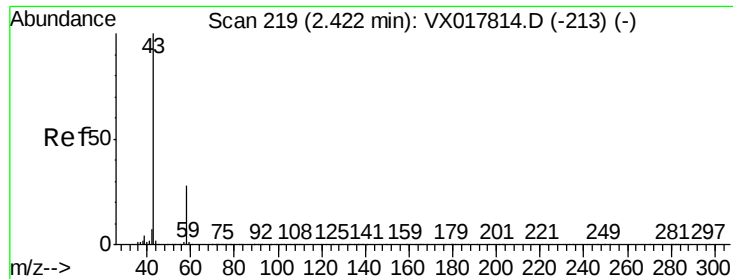


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.05 (60.75 to 61.75): VX0

Ion 63.00 (62.70 to 63.70): VX0

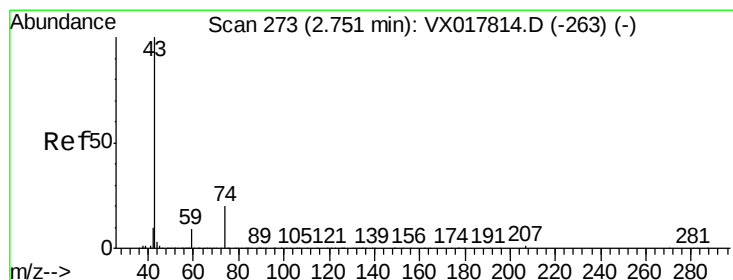
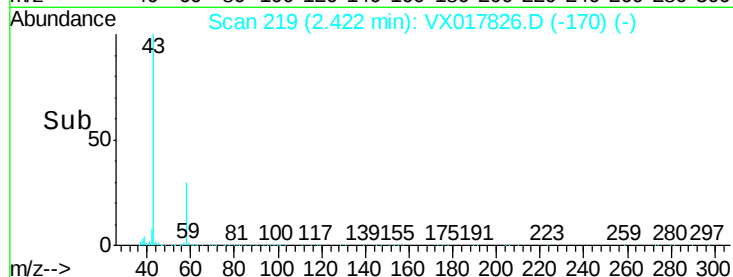
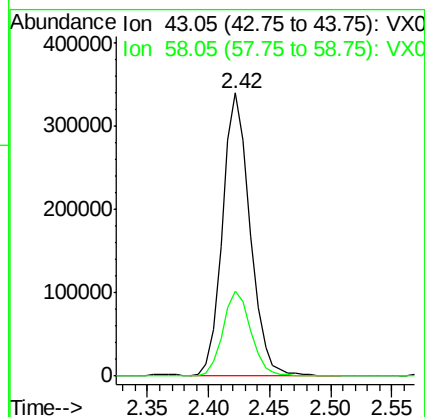
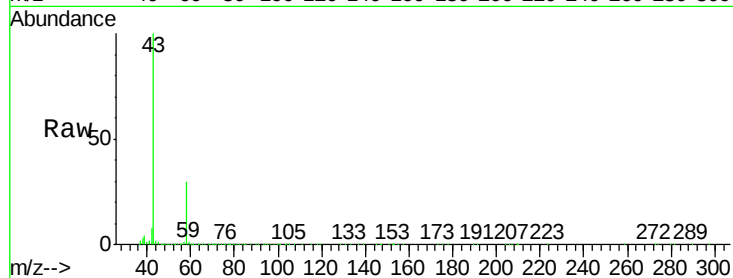




#13
Acetone
Concen: 136.863 ug/L
RT: 2.42 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX017826.D
Acq: 07 Aug 2020 15:35

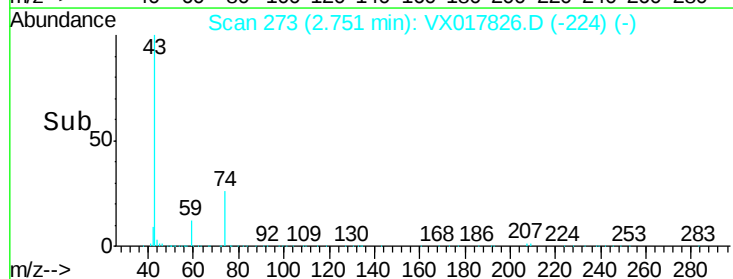
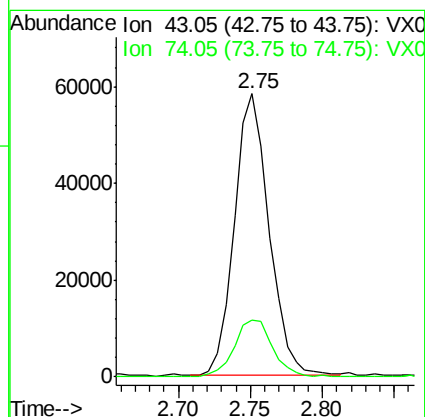
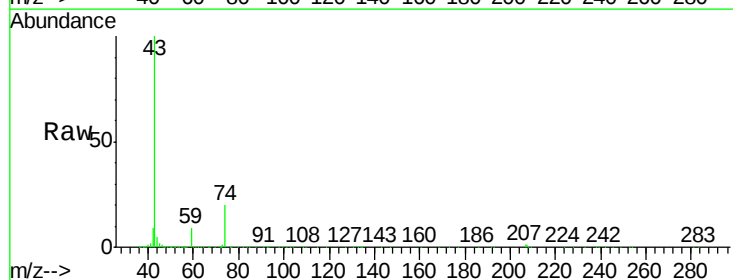
Instrument :
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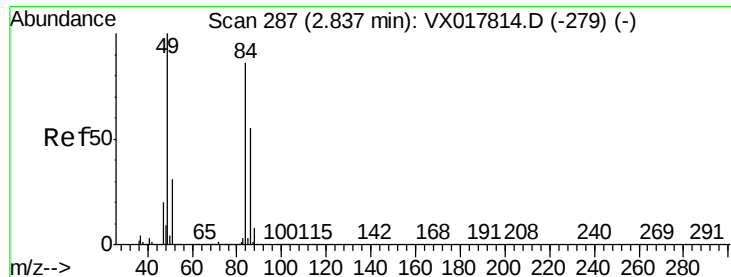
Tgt Ion: 43 Resp: 530263
Ion Ratio Lower Upper
43 100
58 30.7 0.0 60.8



#15
Methyl Acetate
Concen: 8.541 ug/L
RT: 2.75 min Scan# 273
Delta R.T. -0.00 min
Lab File: VX017826.D
Acq: 07 Aug 2020 15:35

Tgt Ion: 43 Resp: 97558
Ion Ratio Lower Upper
43 100
74 22.9 20.4 30.6

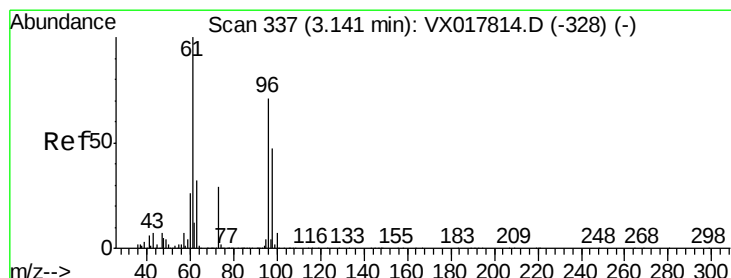
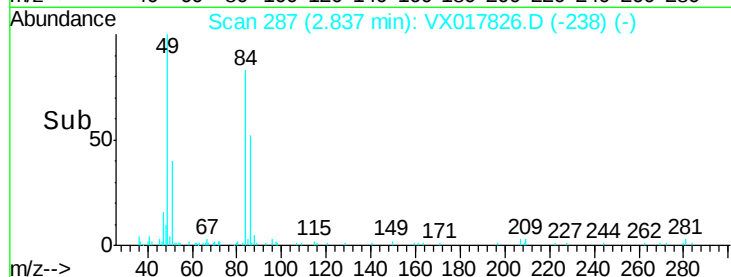
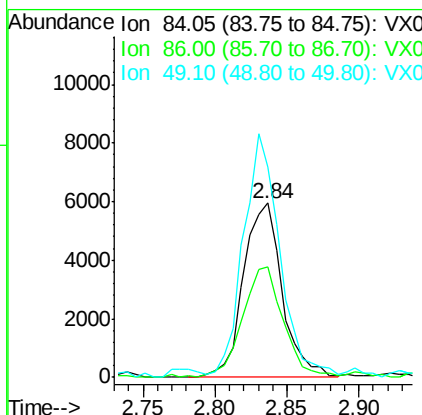
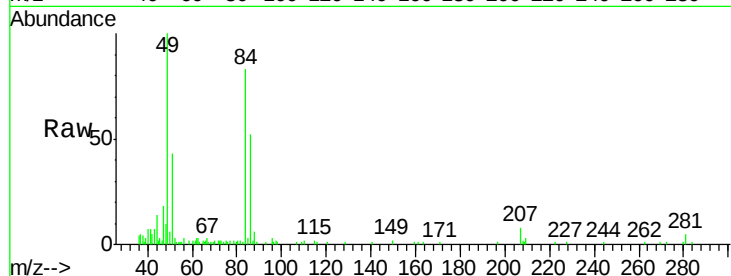




#16
Methylene chloride
Concen: 0.362 ug/L
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX017826.D
Acq: 07 Aug 2020 15:35

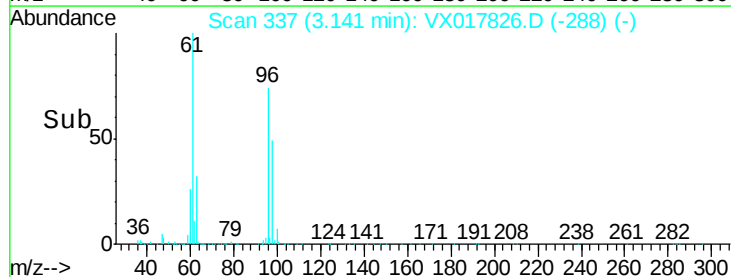
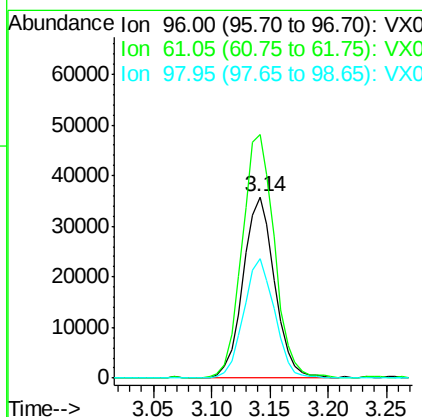
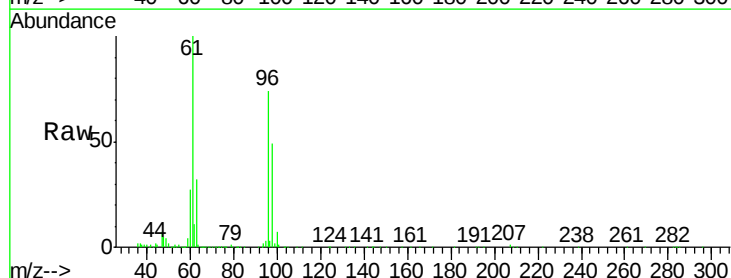
Instrument :
MSVOA_X
ClientSampled :
GAY86

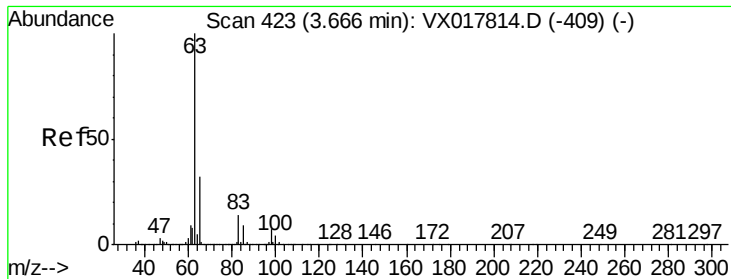
Tgt Ion: 84 Resp: 11076
Ion Ratio Lower Upper
84 100
86 63.3 43.0 80.0
49 121.1 86.9 161.3



#18
trans-1,2-Dichloroethene
Concen: 2.710 ug/L
RT: 3.14 min Scan# 337
Delta R.T. -0.00 min
Lab File: VX017826.D
Acq: 07 Aug 2020 15:35

Tgt Ion: 96 Resp: 68116
Ion Ratio Lower Upper
96 100
61 134.3 98.4 182.8
98 65.6 44.9 83.5





#19

1,1-Dichloroethane

Concen: 2.042 ug/L

RT: 3.67 min Scan# 424

Delta R.T. 0.01 min

Lab File: VX017826.D

Acq: 07 Aug 2020 15:35

Instrument :

MSVOA_X

ClientSampleId :

GAY86

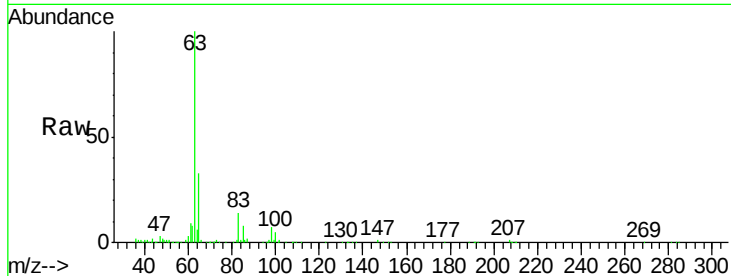
Tgt Ion: 63 Resp: 91538

Ion Ratio Lower Upper

63 100

65 32.7 22.6 42.0

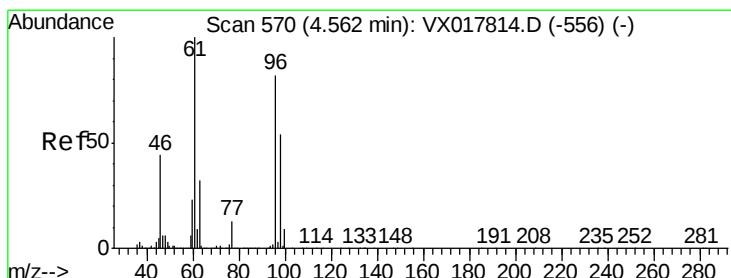
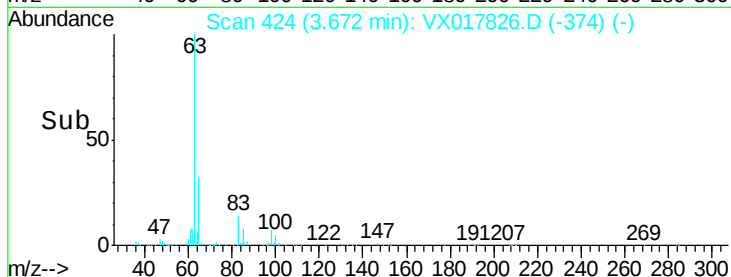
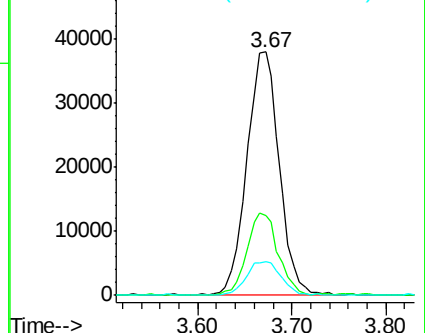
83 13.8 9.5 17.7



Abundance Ion 63.10 (62.80 to 63.80): VX0

Ion 65.10 (64.80 to 65.80): VX0

Ion 83.05 (82.75 to 83.75): VX0



#22

cis-1,2-Dichloroethene

Concen: 4.066 ug/L

RT: 4.56 min Scan# 570

Delta R.T. -0.00 min

Lab File: VX017826.D

Acq: 07 Aug 2020 15:35

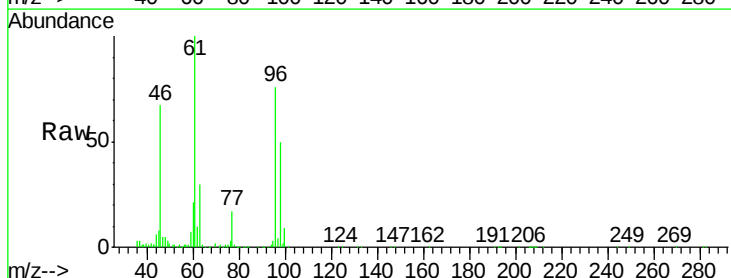
Tgt Ion: 96 Resp: 107231

Ion Ratio Lower Upper

96 100

61 130.9 88.8 165.0

68 0.0 0.2 0.4#



Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.05 (60.75 to 61.75): VX0

Ion 68.15 (67.85 to 68.85): VX0

