

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX051420\
 Data File : VX016241.D
 Acq On : 14 May 2020 19:02
 Operator : JC/SP
 Sample : L2643-03MS
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW098-200513MS

Quant Time: May 15 01:35:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	236923	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	387015	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	371011	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	196268	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	155958	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	
35) Dibromofluoromethane	5.46	113	124263	50.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.36%	
50) Toluene-d8	8.70	98	478815	50.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.36%	
62) 4-Bromofluorobenzene	11.12	95	191624	53.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.66%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.18	85	126768	50.55	ug/l	98
3) Chloromethane	1.31	50	138353	47.51	ug/l	100
4) Vinyl Chloride	1.39	62	150950	48.58	ug/l	97
5) Bromomethane	1.62	94	64533	41.20	ug/l	95
6) Chloroethane	1.70	64	91240	48.26	ug/l	100
7) Trichlorofluoromethane	1.91	101	196050	48.06	ug/l	99
8) Diethyl Ether	2.17	74	82677	48.10	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.36	101	111631	47.43	ug/l	100
10) Methyl Iodide	2.49	142	104390	33.02	ug/l	100
11) Tert butyl alcohol	3.03	59	194182	246.31	ug/l	100
12) 1,1-Dichloroethene	2.35	96	114965	46.68	ug/l	98
13) Acrolein	2.27	56	114243	231.57	ug/l	98
14) Allyl chloride	2.70	41	212357	47.03	ug/l	96
15) Acrylonitrile	3.12	53	416662	254.76	ug/l	99
16) Acetone	2.42	43	329918	237.17	ug/l	95
17) Carbon Disulfide	2.54	76	334859	45.26	ug/l	99
18) Methyl Acetate	2.75	43	171028	50.00	ug/l	98
19) Methyl tert-butyl Ether	3.17	73	438686	51.67	ug/l	99
20) Methylene Chloride	2.83	84	138052	48.14	ug/l	99
21) trans-1,2-Dichloroethene	3.14	96	131588	47.95	ug/l	98
22) Diisopropyl ether	3.82	45	428650	50.32	ug/l	95
23) Vinyl Acetate	3.78	43	1773521	236.62	ug/l	100
24) 1,1-Dichloroethane	3.67	63	244153	51.23	ug/l	100
25) 2-Butanone	4.64	43	567349	253.10	ug/l	99
26) 2,2-Dichloropropane	4.55	77	195570	44.94	ug/l	98
27) cis-1,2-Dichloroethene	4.56	96	160690	53.56	ug/l	96
28) Bromochloromethane	4.98	49	105633	48.61	ug/l	97
29) Tetrahydrofuran	5.09	42	374833	252.37	ug/l	98
30) Chloroform	5.18	83	245879	51.82	ug/l	99
31) Cyclohexane	5.55	56	206151	47.60	ug/l	99
32) 1,1,1-Trichloroethane	5.46	97	216999	50.31	ug/l	99
36) 1,1-Dichloropropene	5.77	75	182140	47.81	ug/l	99
37) Ethyl Acetate	4.80	43	208271	47.17	ug/l	99
38) Carbon Tetrachloride	5.76	117	194274	50.17	ug/l	94

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	203814	44.42	ug/l	99
40) Benzene	6.12	78	556503	49.93	ug/l	100
41) Methacrylonitrile	5.01	41	114842	48.16	ug/l	97
42) 1,2-Dichloroethane	6.17	62	195979	48.81	ug/l	99
43) Isopropyl Acetate	6.42	43	333419	47.33	ug/l	98
44) Trichloroethene	7.19	130	207838	52.48	ug/l	96
45) 1,2-Dichloropropane	7.49	63	146474	51.93	ug/l	100
46) Dibromomethane	7.64	93	96093	50.13	ug/l	99
47) Bromodichloromethane	7.88	83	200717	51.42	ug/l	100
48) Methyl methacrylate	7.75	41	162901	48.80	ug/l	95
49) 1,4-Dioxane	7.71	88	81051	1012.34	ug/l	99
51) 4-Methyl-2-Pentanone	8.62	43	1091957	253.29	ug/l	98
52) Toluene	8.77	92	355332	51.14	ug/l	100
53) t-1,3-Dichloropropene	9.02	75	228995	49.20	ug/l	99
54) cis-1,3-Dichloropropene	8.42	75	237917	48.94	ug/l	95
55) 1,1,2-Trichloroethane	9.20	97	143988	52.67	ug/l	99
56) Ethyl methacrylate	9.16	69	231009	51.77	ug/l	95
57) 1,3-Dichloropropane	9.35	76	245229	51.41	ug/l	100
59) 2-Hexanone	9.48	43	852884	251.91	ug/l	97
60) Dibromochloromethane	9.57	129	160214	53.22	ug/l	100
61) 1,2-Dibromoethane	9.65	107	151908	51.30	ug/l	99
64) Tetrachloroethene	9.32	164	206184	45.27	ug/l	97
65) Chlorobenzene	10.12	112	378337	48.70	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	145256	50.59	ug/l	99
67) Ethyl Benzene	10.24	91	669144	48.28	ug/l	99
68) m/p-Xylenes	10.34	106	508363	97.89	ug/l	98
69) o-Xylene	10.68	106	249504	49.98	ug/l	99
70) Styrene	10.70	104	421644	49.79	ug/l	100
71) Bromoform	10.84	173	125794	53.77	ug/l	100
73) Isopropylbenzene	11.00	105	658677	46.14	ug/l	100
74) N-amyl acetate	10.88	43	284580	42.74	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	174301	60.54	ug/l	100
76) 1,2,3-Trichloropropane	11.28	75	282505	63.43	ug/l	84
77) Bromobenzene	11.24	156	169897	46.11	ug/l	99
78) n-propylbenzene	11.35	91	762581	45.92	ug/l	99
79) 2-Chlorotoluene	11.40	91	454613	46.38	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	565983	46.96	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.06	75	85425	45.71	ug/l	97
82) 4-Chlorotoluene	11.49	91	543154	46.92	ug/l	100
83) tert-Butylbenzene	11.76	119	492041	47.37	ug/l	98
84) 1,2,4-Trimethylbenzene	11.79	105	578785	47.50	ug/l	99
85) sec-Butylbenzene	11.93	105	627150	44.72	ug/l	99
86) p-Isopropyltoluene	12.05	119	588785	45.22	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	306664	46.35	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	308426	45.93	ug/l	100
89) n-Butylbenzene	12.37	91	508828	42.77	ug/l	100
90) Hexachloroethane	12.58	117	106282	47.53	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	296992	46.62	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.98	75	53811	45.84	ug/l	97
93) 1,2,4-Trichlorobenzene	13.63	180	210008	44.53	ug/l	97

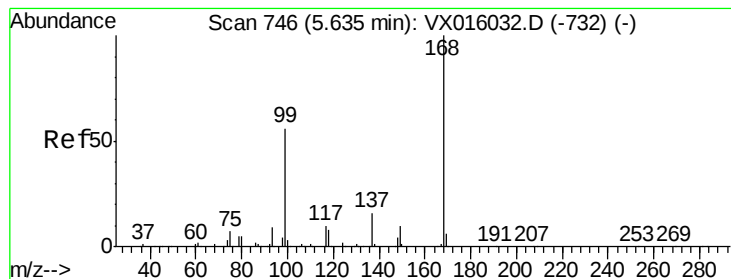
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX051420\
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Quant Title : SW846 8260
QLast Update : Wed May 06 06:43:32 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.77	225	75737	37.42	ug/l	98
95) Naphthalene	13.82	128	711684	46.60	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	209064	45.35	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX016241.D

Acq: 14 May 2020 19:02

Instrument :

MSVOA_X

ClientSampleId :

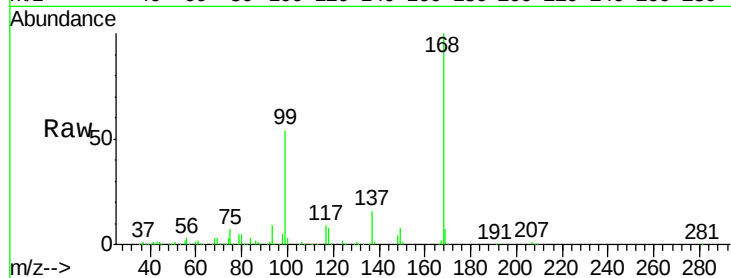
SS052MW098-200513MS

Tgt Ion:168 Resp: 236923

Ion Ratio Lower Upper

168 100

99 54.2 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

80000

60000

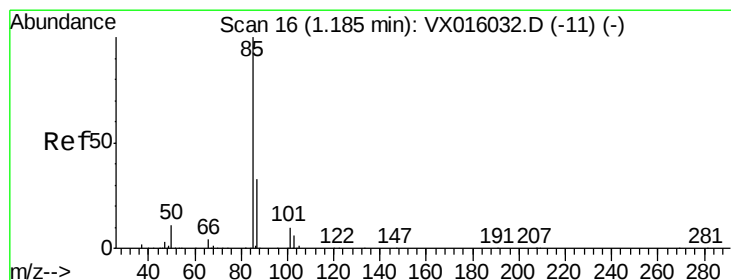
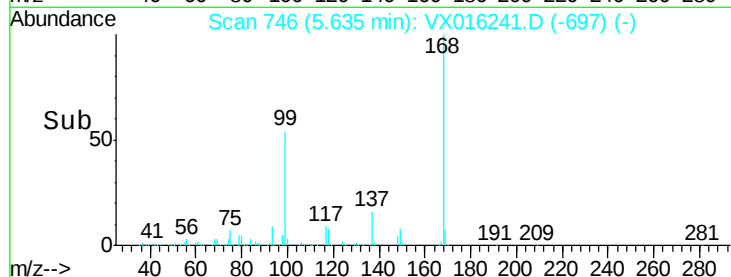
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 50.55 ug/l

RT: 1.18 min Scan# 15

Delta R.T. -0.01 min

Lab File: VX016241.D

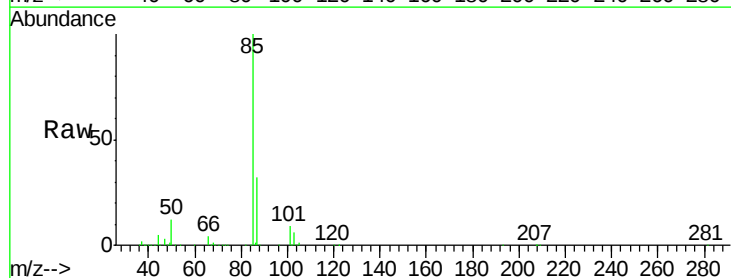
Acq: 14 May 2020 19:02

Tgt Ion: 85 Resp: 126768

Ion Ratio Lower Upper

85 100

87 31.6 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

150000

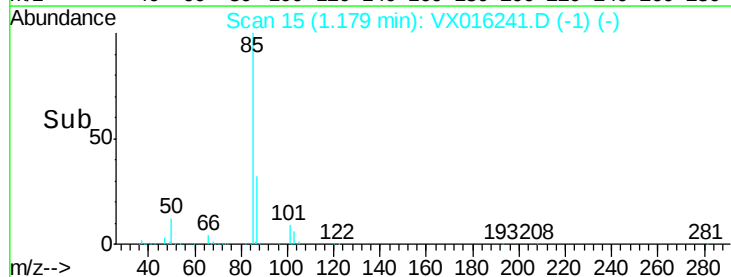
100000

50000

0

1.10 1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 47.51 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016241.D

Acq: 14 May 2020 19:02

Instrument :

MSVOA_X

ClientSampleId :

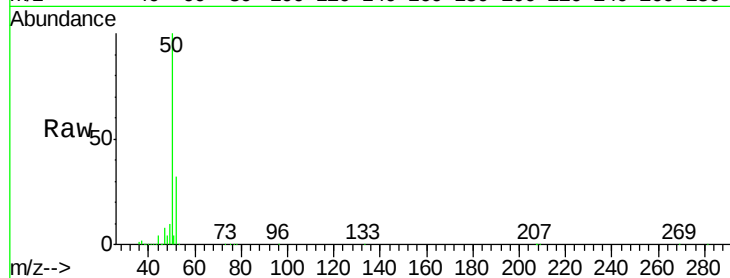
SS052MW098-200513MS

Tgt Ion: 50 Resp: 138353

Ion Ratio Lower Upper

50 100

52 32.3 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

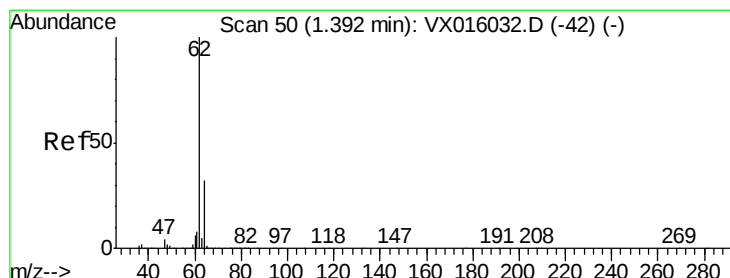
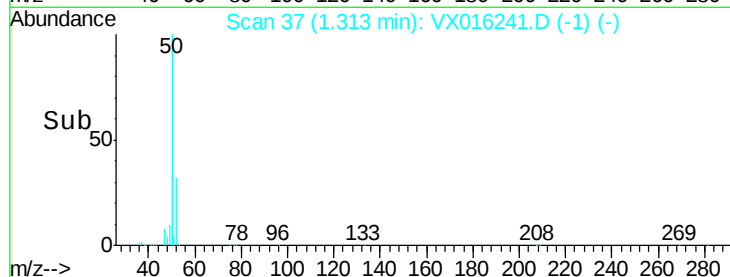
150000

100000

50000

0

Time--> 1.25 1.30 1.35 1.40



#4

Vinyl Chloride

Concen: 48.58 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016241.D

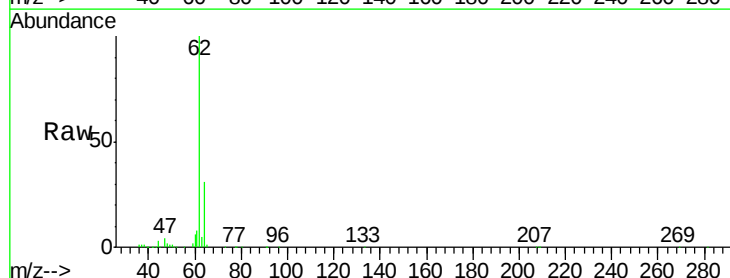
Acq: 14 May 2020 19:02

Tgt Ion: 62 Resp: 150950

Ion Ratio Lower Upper

62 100

64 30.7 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.39

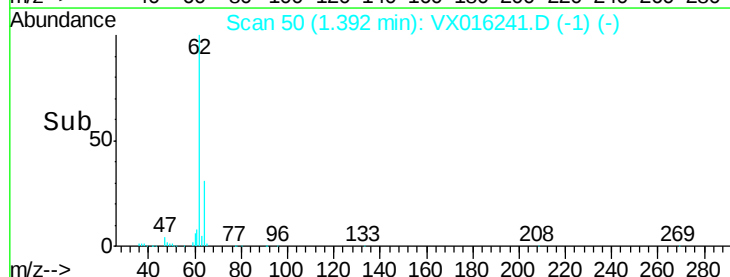
150000

100000

50000

0

Time--> 1.30 1.40 1.50





#5

Bromomethane

Concen: 41.20 ug/l

RT: 1.62 min Scan# 88

Delta R.T. -0.00 min

Lab File: VX016241.D

Acq: 14 May 2020 19:02

Instrument :

MSVOA_X

ClientSampleId :

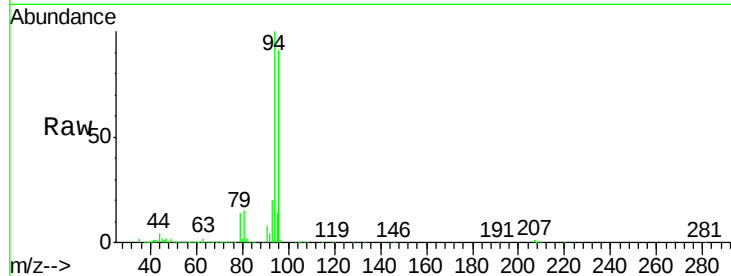
SS052MW098-200513MS

Tgt Ion: 94 Resp: 64533

Ion Ratio Lower Upper

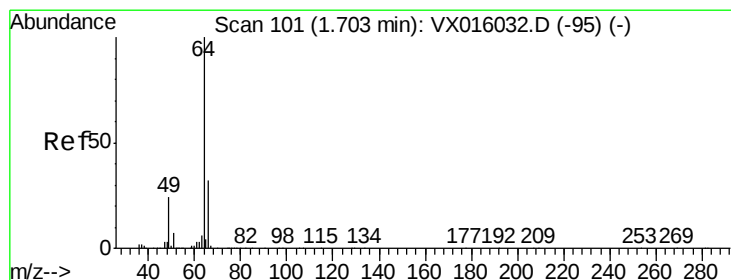
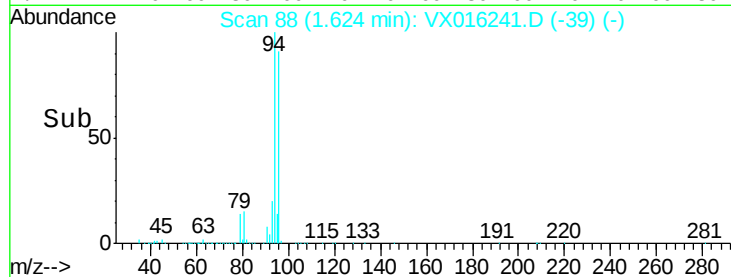
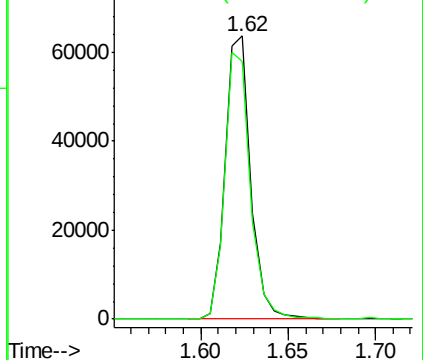
94 100

96 91.0 76.9 115.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 48.26 ug/l

RT: 1.70 min Scan# 100

Delta R.T. -0.01 min

Lab File: VX016241.D

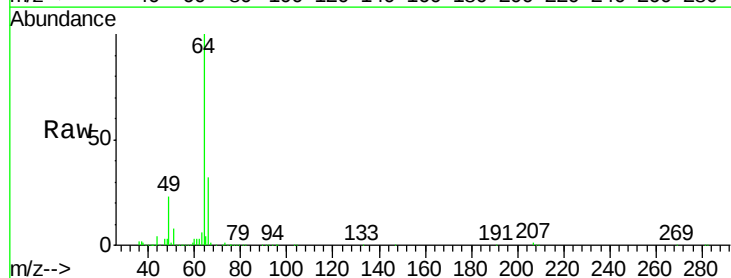
Acq: 14 May 2020 19:02

Tgt Ion: 64 Resp: 91240

Ion Ratio Lower Upper

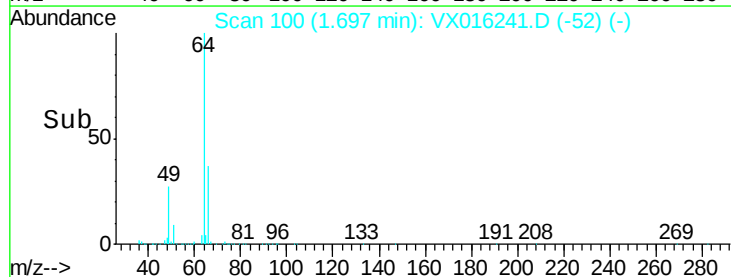
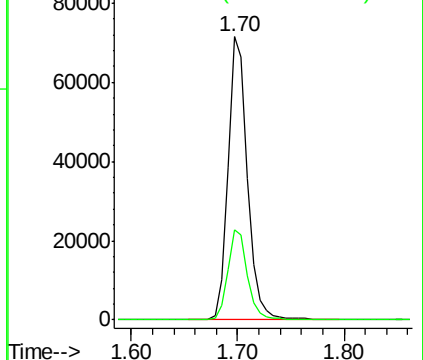
64 100

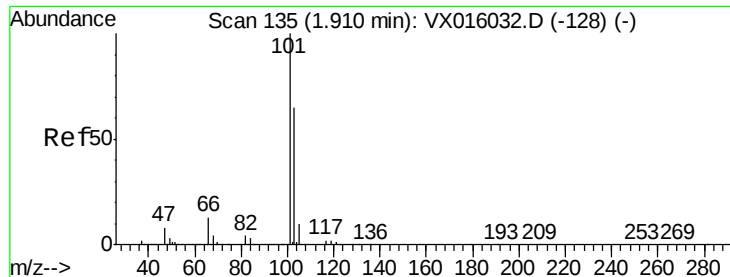
66 31.6 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



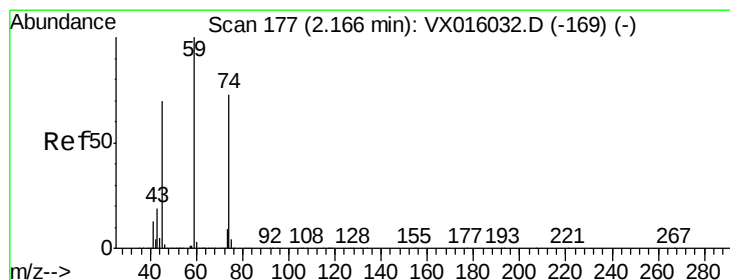
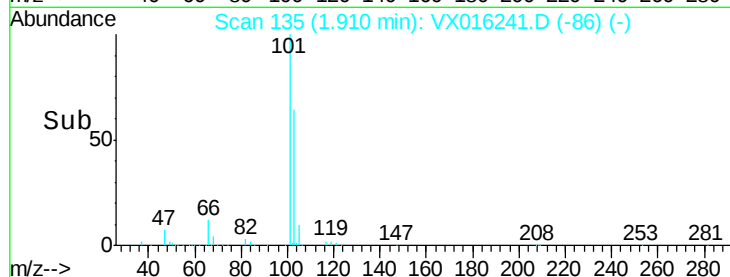
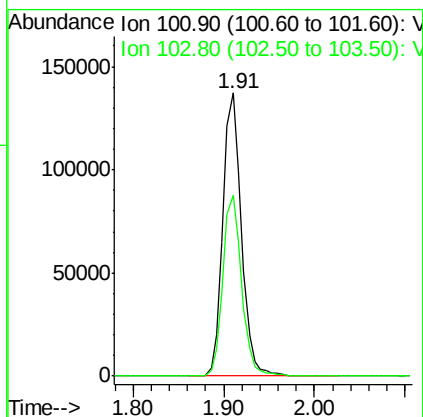
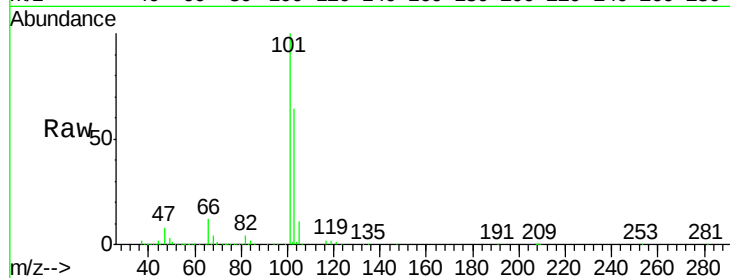


#7

Trichlorofluoromethane
 Concen: 48.06 ug/l
 RT: 1.91 min Scan# 135
 Delta R.T. -0.00 min
 Lab File: VX016241.D
 Acq: 14 May 2020 19:02

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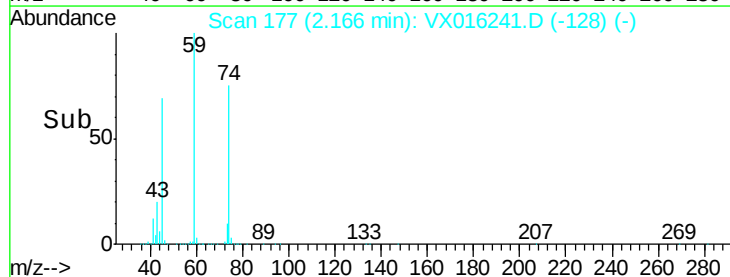
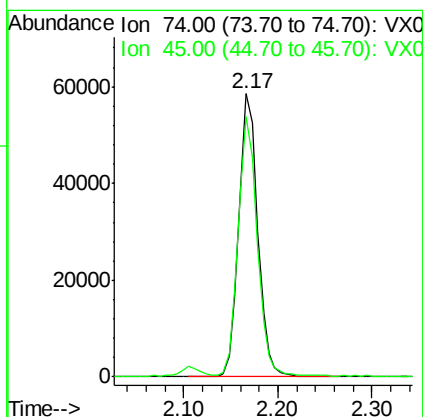
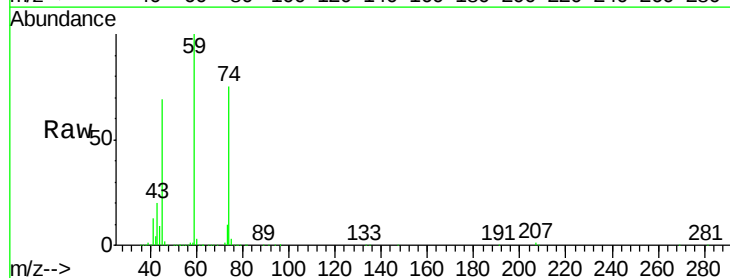
Tgt Ion: 101 Resp: 196050
 Ion Ratio Lower Upper
 101 100
 103 63.8 51.8 77.6

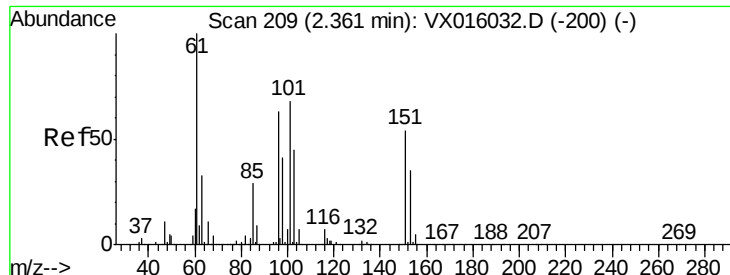


#8

Diethyl Ether
 Concen: 48.10 ug/l
 RT: 2.17 min Scan# 177
 Delta R.T. -0.00 min
 Lab File: VX016241.D
 Acq: 14 May 2020 19:02

Tgt Ion: 74 Resp: 82677
 Ion Ratio Lower Upper
 74 100
 45 91.6 47.3 142.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.43 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.00 min

Lab File: VX016241.D

Acq: 14 May 2020 19:02

Instrument :

MSVOA_X

ClientSampleId :

SS052MW098-200513MS

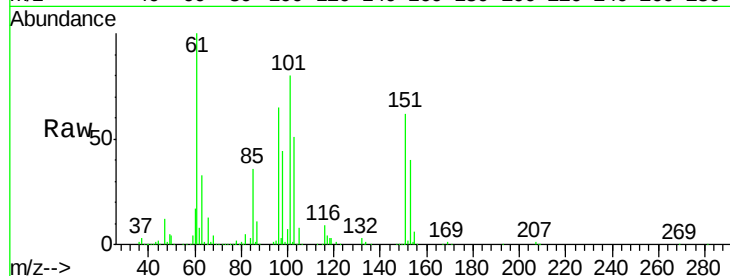
Tgt Ion:101 Resp: 111631

Ion Ratio Lower Upper

101 100

85 42.7 34.2 51.4

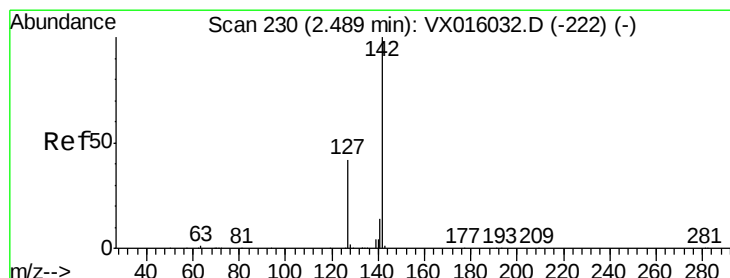
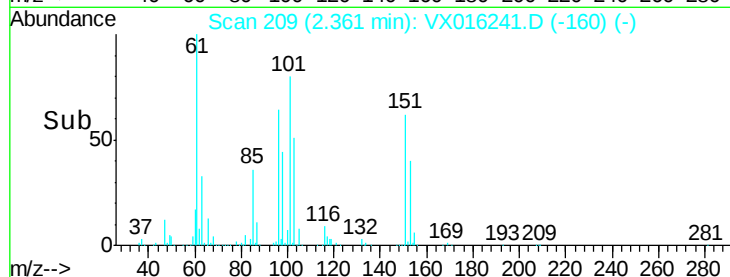
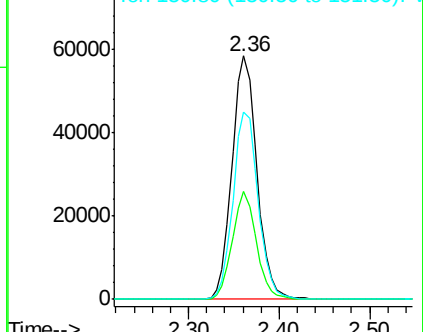
151 77.9 62.1 93.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 33.02 ug/l

RT: 2.49 min Scan# 230

Delta R.T. -0.00 min

Lab File: VX016241.D

Acq: 14 May 2020 19:02

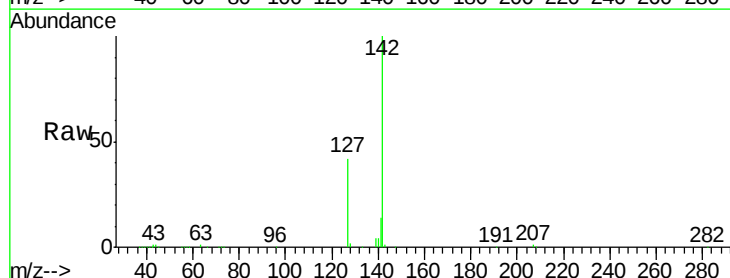
Tgt Ion:142 Resp: 104390

Ion Ratio Lower Upper

142 100

127 42.9 34.6 52.0

141 14.1 11.3 16.9



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

