

Data File : VX011873.D
Acq On : 28 Aug 2019 12:53
Operator : SY/SP
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_X/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Aug 28 14:06:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082819S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 28 12:26:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	361455	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	504715	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	468522	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	253803	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	489867	134.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	268.00%	
35) Dibromofluoromethane	5.48	113	462478	155.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	311.24%	
50) Toluene-d8	8.71	98	1697833	137.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	274.04%	
62) 4-Bromofluorobenzene	11.13	95	624931	136.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	273.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	318603	104.432	ug/l	99
3) Chloromethane	1.32	50	389801	101.642	ug/l	100
4) Vinyl Chloride	1.40	62	380280	92.185	ug/l	100
5) Bromomethane	1.63	94	218190	87.865	ug/l	99
6) Chloroethane	1.70	64	225785	82.770	ug/l	98
7) Trichlorofluoromethane	1.92	101	626481	115.816	ug/l	100
8) Diethyl Ether	2.18	74	200923	98.282	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	413888	120.617	ug/l	99
10) Methyl Iodide	2.50	142	490131	124.239	ug/l	99
11) Tert butyl alcohol	3.04	59	170667	288.318	ug/l	98
12) 1,1-Dichloroethene	2.36	96	414458	128.285	ug/l	100
13) Acrolein	2.28	56	101662	524.932	ug/l	97
14) Allyl chloride	2.71	41	684320	119.488	ug/l	100
15) Acrylonitrile	3.13	53	546581	363.082	ug/l	99
16) Acetone	2.43	43	652937	467.600	ug/l	99
17) Carbon Disulfide	2.56	76	1235639	117.548	ug/l	100
18) Methyl Acetate	2.76	43	341134	86.935	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	1151976	130.995	ug/l	98
20) Methylene Chloride	2.84	84	458633	107.132	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	464643	131.254	ug/l	98
22) Diisopropyl ether	3.84	45	1389361	134.386	ug/l	97
23) Vinyl Acetate	3.80	43	3201430	429.345	ug/l	98
24) 1,1-Dichloroethane	3.68	63	812352	134.734	ug/l	99
25) 2-Butanone	4.66	43	761944	374.313	ug/l	96
26) 2,2-Dichloropropane	4.57	77	642996	135.408	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	533977	139.969	ug/l	99
28) Bromochloromethane	5.00	49	346585	128.150	ug/l	98
29) Tetrahydrofuran	5.12	42	456054	351.560	ug/l	99
30) Chloroform	5.20	83	843801	142.026	ug/l	99
31) Cyclohexane	5.57	56	681624	117.036	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	761734	149.178	ug/l	99
36) 1,1-Dichloropropene	5.79	75	630672	133.430	ug/l	100
37) Ethyl Acetate	4.82	43	287473	79.176	ug/l	100
38) Carbon Tetrachloride	5.78	117	632887	144.760	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	745087	128.395	ug/l	100
40) Benzene	6.13	78	1823884	134.654	ug/l	100
41) Methacrylonitrile	5.03	41	195464	95.509	ug/l	99
42) 1,2-Dichloroethane	6.18	62	595824	145.641	ug/l	99
43) Isopropyl Acetate	6.43	43	569144	98.383	ug/l	100
44) Trichloroethene	7.20	130	603454	156.176	ug/l	100
45) 1,2-Dichloropropane	7.51	63	457062	137.217	ug/l	99
46) Dibromomethane	7.65	93	274870	143.198	ug/l	99
47) Bromodichloromethane	7.89	83	655670	171.407	ug/l	99
48) Methyl methacrylate	7.76	41	284131	97.916	ug/l	99
49) 1,4-Dioxane	7.73	88	59845	1021.820	ug/l	98
51) 4-Methyl-2-Pentanone	8.63	43	1185241	333.379	ug/l	100
52) Toluene	8.78	92	1176119	139.199	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	575971	131.835	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	704496	144.667	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	368000	126.552	ug/l	99
56) Ethyl methacrylate	9.17	69	379917	95.114	ug/l	100
57) 1,3-Dichloropropane	9.37	76	602482	123.425	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	598387	313.152	ug/l	100
59) 2-Hexanone	9.49	43	761179	281.038	ug/l	100
60) Dibromochloromethane	9.58	129	495891	169.331	ug/l	99
61) 1,2-Dibromoethane	9.66	107	358343	120.696	ug/l	100
64) Tetrachloroethene	9.33	164	657677	178.585	ug/l	97
65) Chlorobenzene	10.13	112	1298575	132.634	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	490058	153.490	ug/l	100
67) Ethyl Benzene	10.25	91	2205534	133.412	ug/l	99
68) m/p-Xylenes	10.35	106	1690759	261.446	ug/l	98
69) o-Xylene	10.69	106	809751	134.850	ug/l	98
70) Styrene	10.71	104	1368879	135.502	ug/l	100
71) Bromoform	10.85	173	335368	152.769	ug/l #	98
73) Isopropylbenzene	11.01	105	2118286	133.319	ug/l	99
74) N-amyl acetate	6.43	43	569144	101.060	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	366841	88.806	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	346920	99.167	ug/l	89
77) Bromobenzene	11.25	156	602540	145.458	ug/l	99
78) n-propylbenzene	11.35	91	2374693	123.367	ug/l	99
79) 2-Chlorotoluene	11.41	91	1455549	133.188	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	1792475	132.169	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	81726	69.197	ug/l	97
82) 4-Chlorotoluene	11.51	91	1691691	127.622	ug/l	99
83) tert-Butylbenzene	11.77	119	1714899	127.845	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1731946	124.069	ug/l	99
85) sec-Butylbenzene	11.94	105	1974997	115.086	ug/l	100
86) p-Isopropyltoluene	12.06	119	1850595	118.646	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	1086321	129.641	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	1053055	123.176	ug/l	100
89) n-Butylbenzene	12.38	91	1530514	103.099	ug/l	99
90) Hexachloroethane	12.59	117	309001	133.417	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	946923	121.346	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	52223	63.716	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082819\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	681824	110.144	ug/l	100
94) Hexachlorobutadiene	13.78	225	488888	123.496	ug/l	99
95) Naphthalene	13.83	128	861865	65.153	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	558520	99.394	ug/l	99

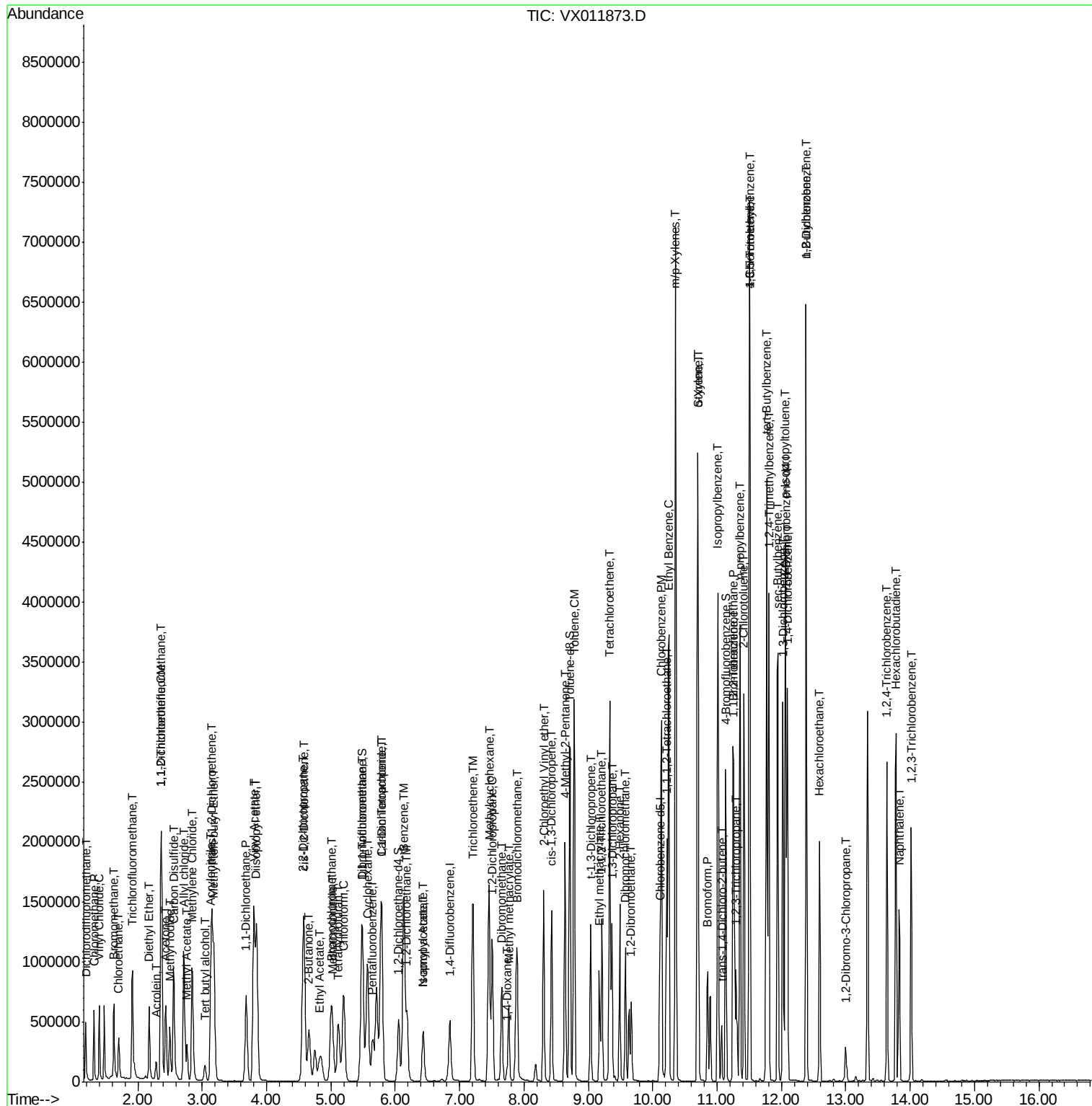
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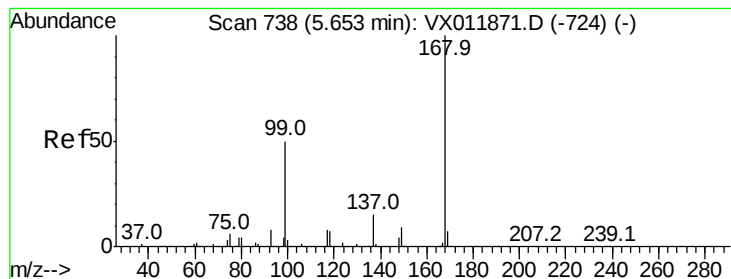
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.00 min

Lab File: VX011873.D

Acq: 28 Aug 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

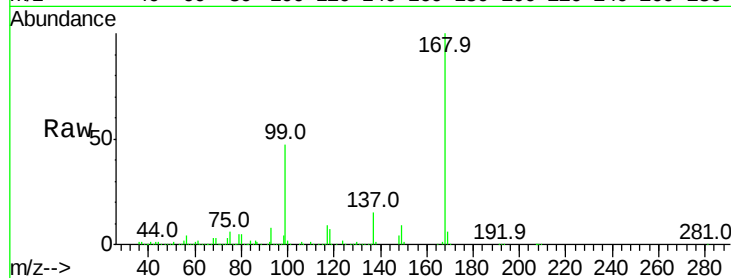
VSTDIC150

Tgt Ion:168 Resp: 361455

Ion Ratio Lower Upper

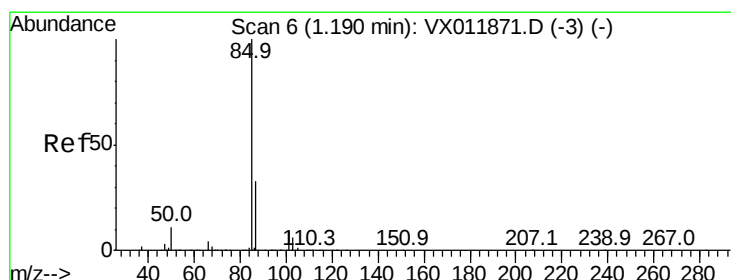
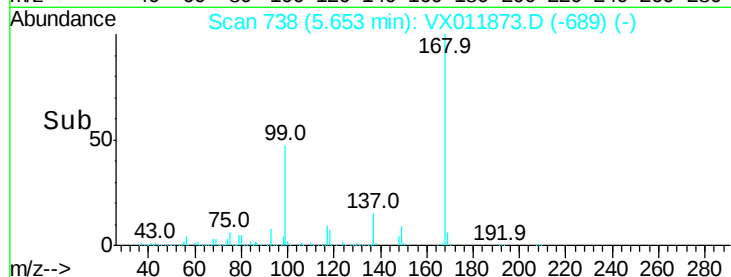
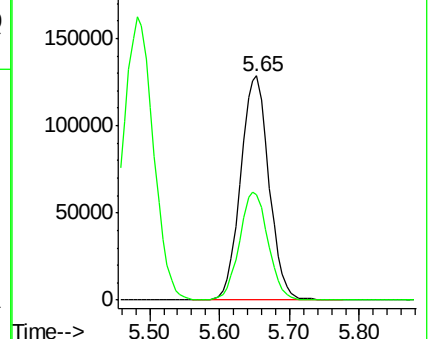
168 100

99 46.5 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 104.432 ug/l

RT: 1.19 min Scan# 6

Delta R.T. -0.00 min

Lab File: VX011873.D

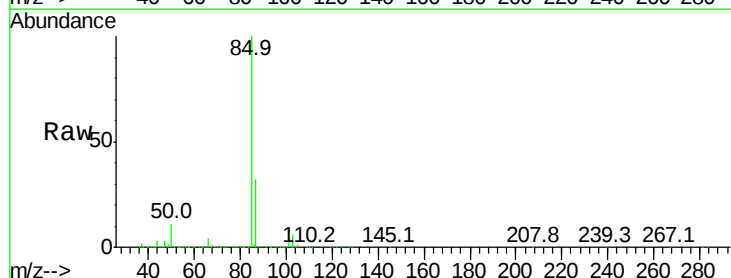
Acq: 28 Aug 2019 12:53

Tgt Ion: 85 Resp: 318603

Ion Ratio Lower Upper

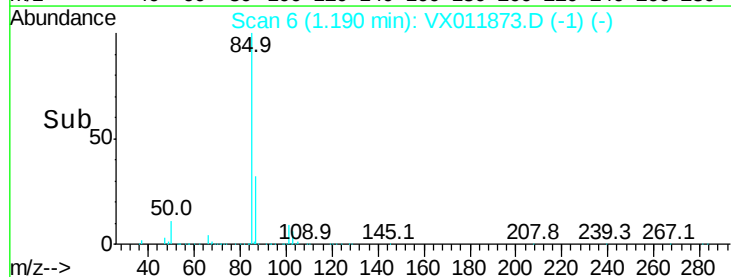
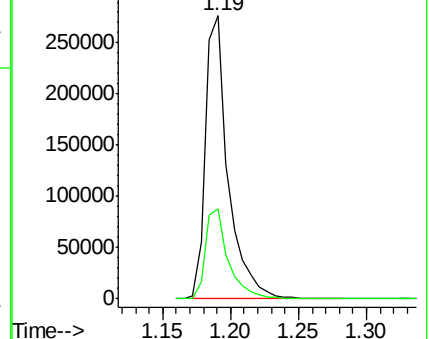
85 100

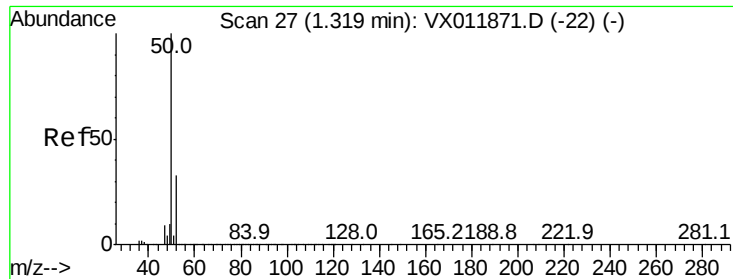
87 32.0 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 101.642 ug/l

RT: 1.32 min Scan# 27

Delta R.T. -0.00 min

Lab File: VX011873.D

Acq: 28 Aug 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

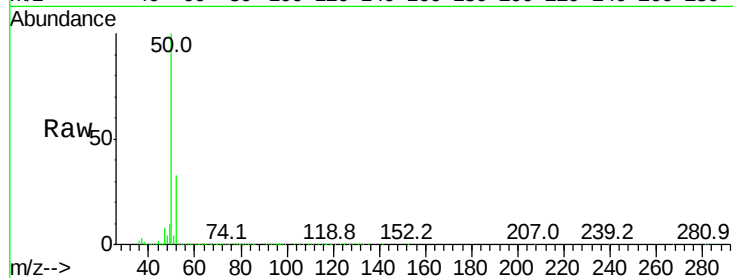
VSTDIC150

Tgt Ion: 50 Resp: 389801

Ion Ratio Lower Upper

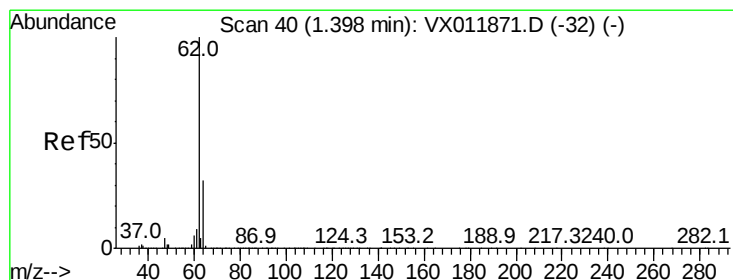
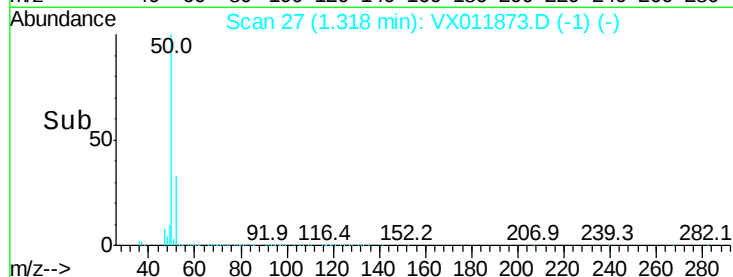
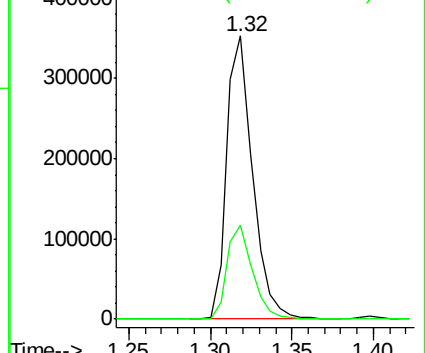
50 100

52 32.9 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 92.185 ug/l

RT: 1.40 min Scan# 40

Delta R.T. -0.00 min

Lab File: VX011873.D

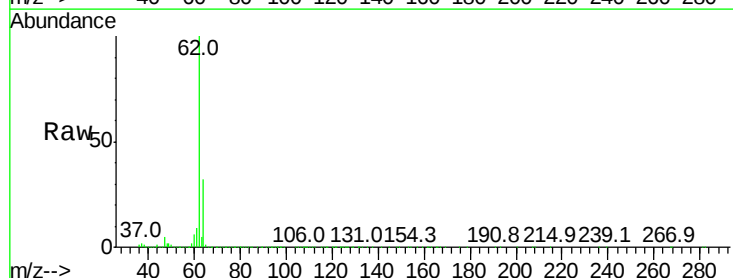
Acq: 28 Aug 2019 12:53

Tgt Ion: 62 Resp: 380280

Ion Ratio Lower Upper

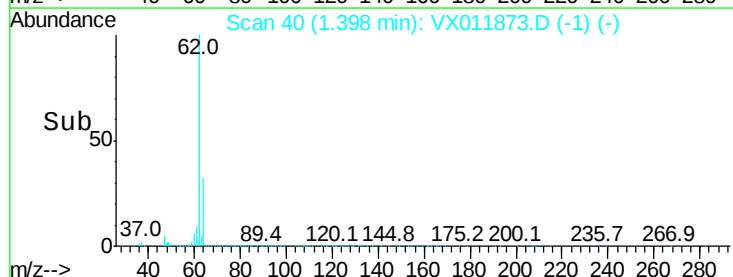
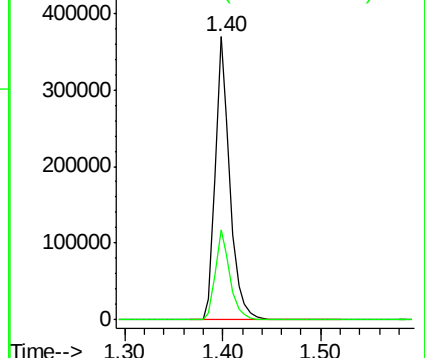
62 100

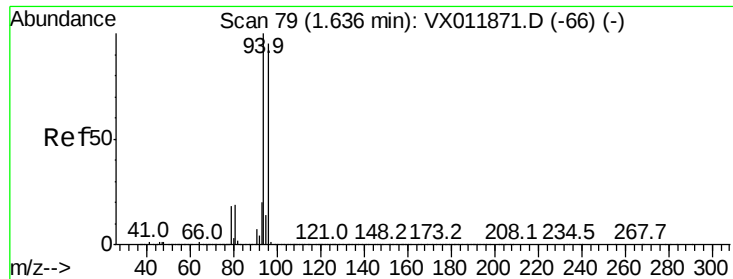
64 31.9 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 87.865 ug/l

RT: 1.63 min Scan# 78

Delta R.T. -0.01 min

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Instrument :

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ClientSampleId :

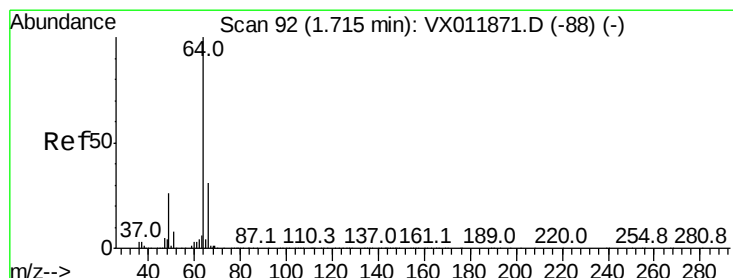
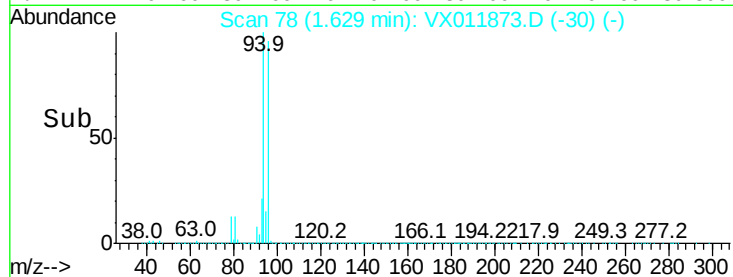
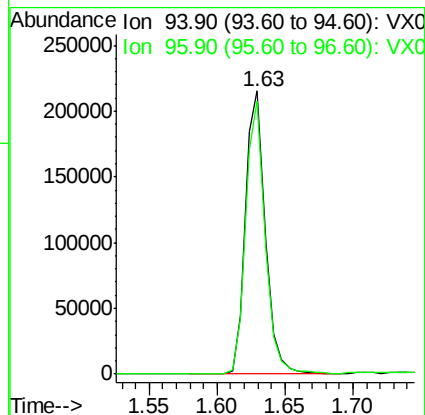
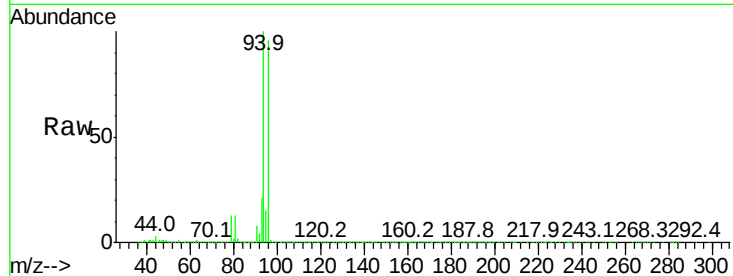
VSTDIC150

Tgt Ion: 94 Resp: 218190

Ion Ratio Lower Upper

94 100

96 96.2 76.0 114.0



#6

Chloroethane

Concen: 82.770 ug/l

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX011873.D

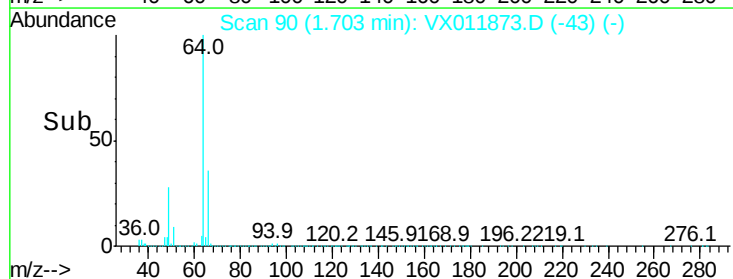
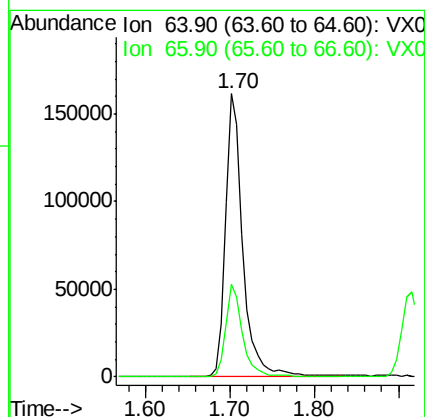
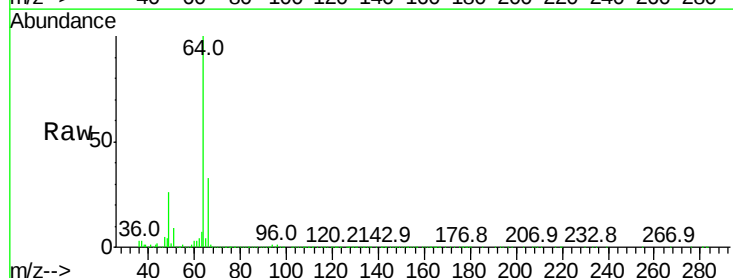
Acq: 28 Aug 2019 12:53

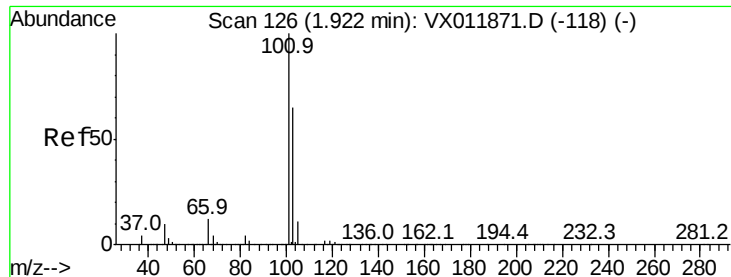
Tgt Ion: 64 Resp: 225785

Ion Ratio Lower Upper

64 100

66 32.6 25.0 37.4



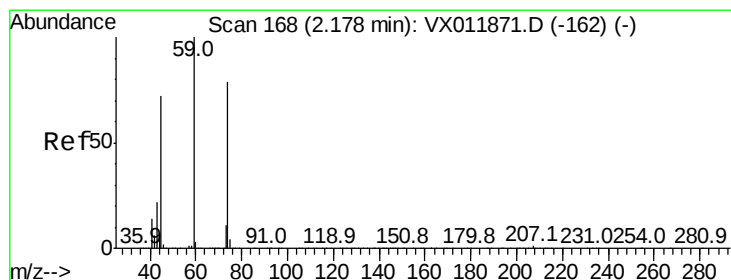
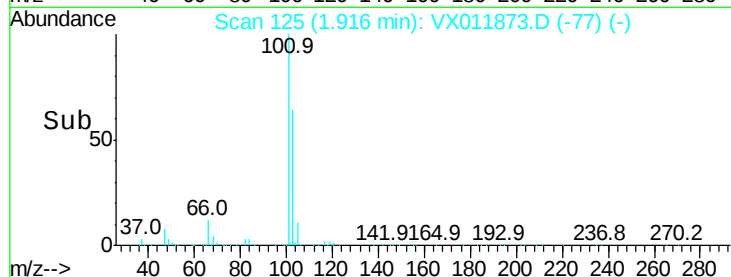
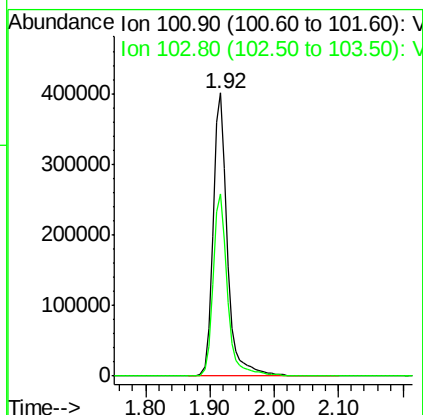
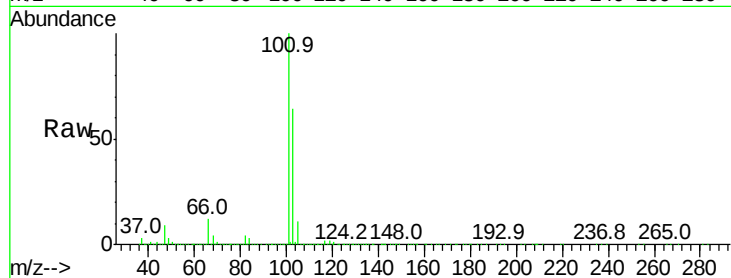


#7

Trichlorofluoromethane
 Concen: 115.816 ug/l
 RT: 1.92 min Scan# 125
 Delta R.T. -0.01 min
 Lab File: VX011873.D
 Acq: 28 Aug 2019 12:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tgt Ion: 101 Resp: 626481
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.8 77.8



#8

Diethyl Ether
 Concen: 98.282 ug/l
 RT: 2.18 min Scan# 168
 Delta R.T. -0.00 min
 Lab File: VX011873.D
 Acq: 28 Aug 2019 12:53

Tgt Ion: 74 Resp: 200923
 Ion Ratio Lower Upper
 74 100
 45 94.1 47.1 141.3

