

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR101918\
Quantitation Report (QT Reviewed)

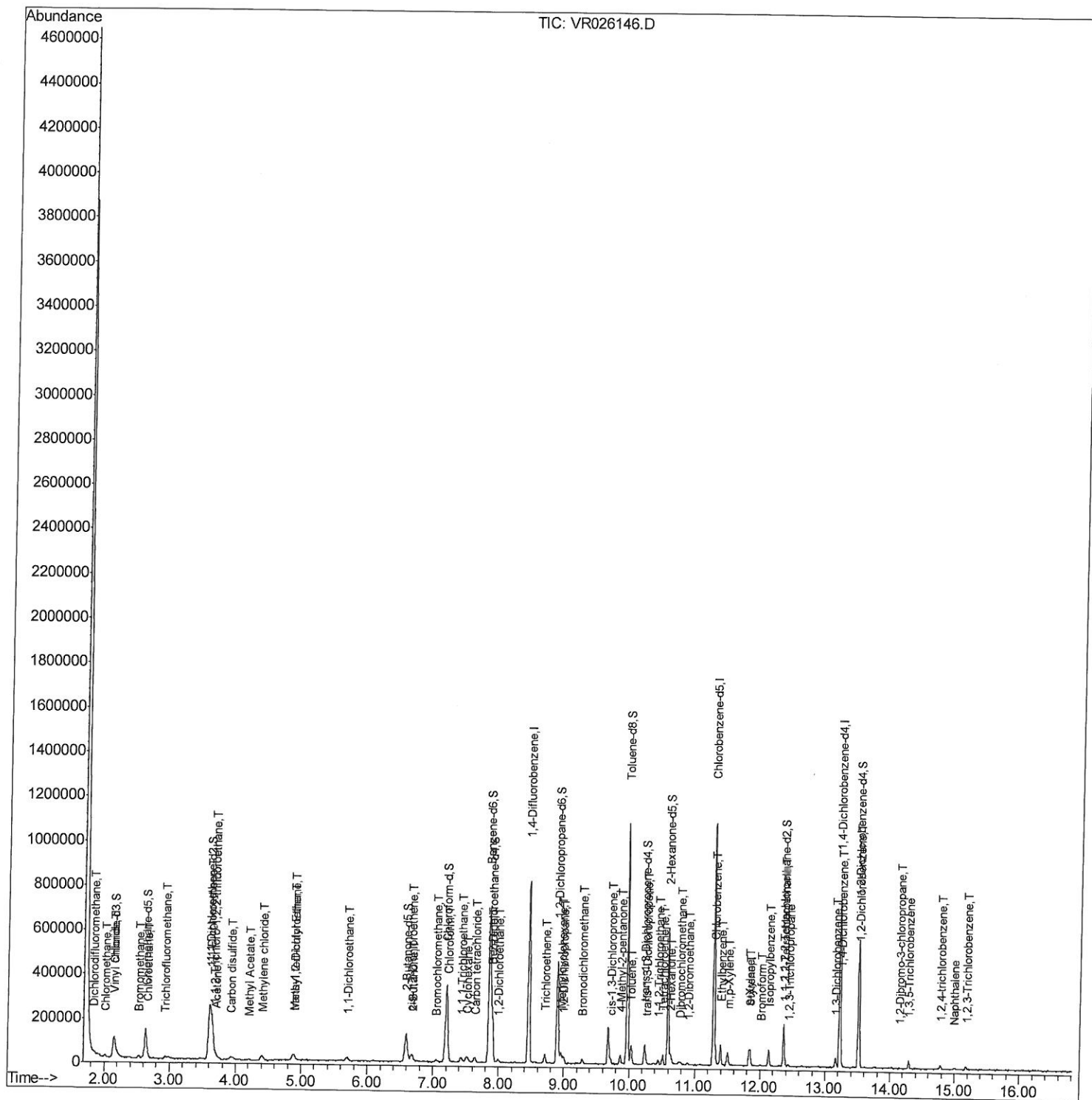
Data File : VR026146.D
Acq On : 19 Oct 2018 12:58
Operator : SY/MD
Sample : MDL
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_R
Client Sampled :
MDL

Manual Integrations
APPROVED

MMDadoda
10/24/2018 12:17:32 PM

Quant Time: Oct 20 02:12:26 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 20 01:53:32 2018
Response via : Initial Calibration



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR101918\
Quantitation Report (Qedit)

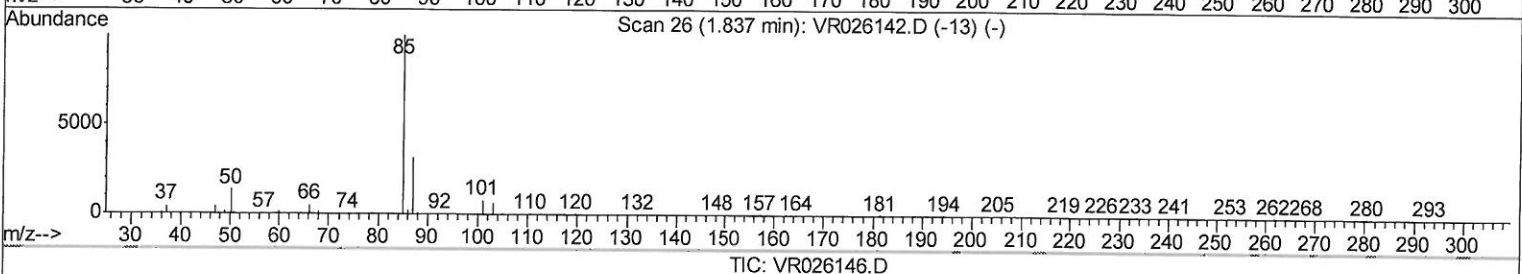
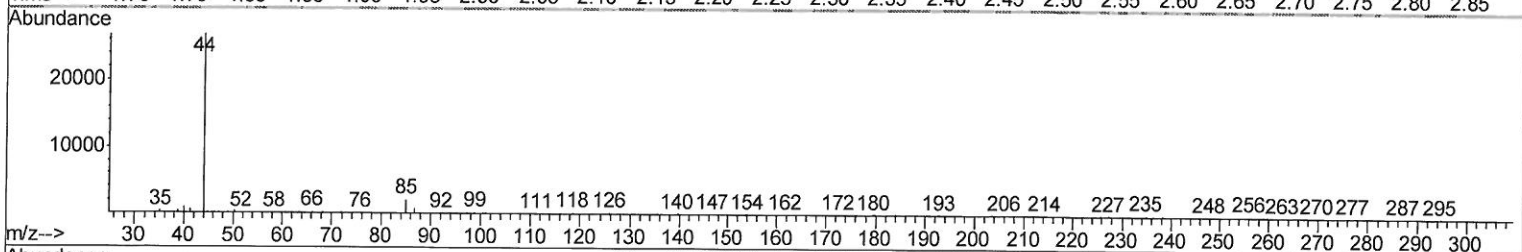
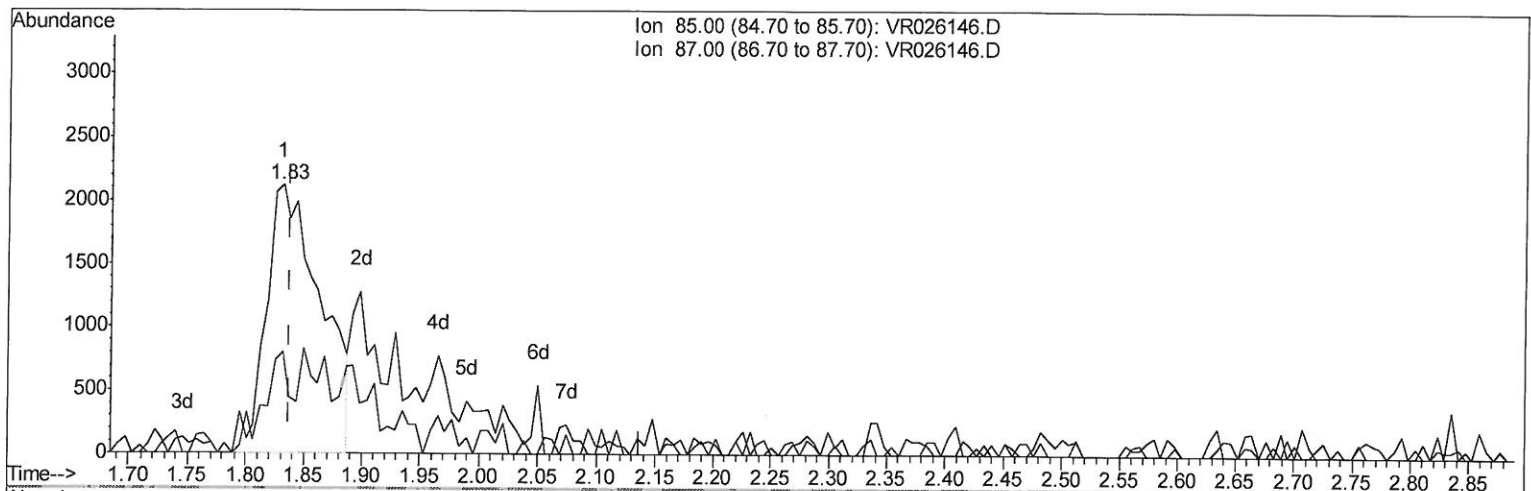
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Quant Time: Oct 20 01:57:23 2018
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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 20 01:53:32 2018
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(2) Dichlorodifluoromethane (T)

1.831min (-0.006) 0.18ug/L

response 6905

Ion	Exp%	Act%
85.00	100	100
87.00	29.30	19.06#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR101918\
Quantitation Report (Qedit)

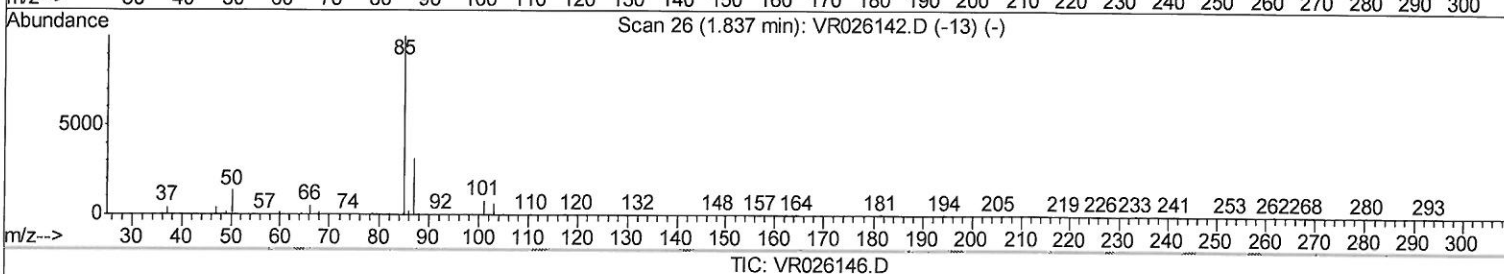
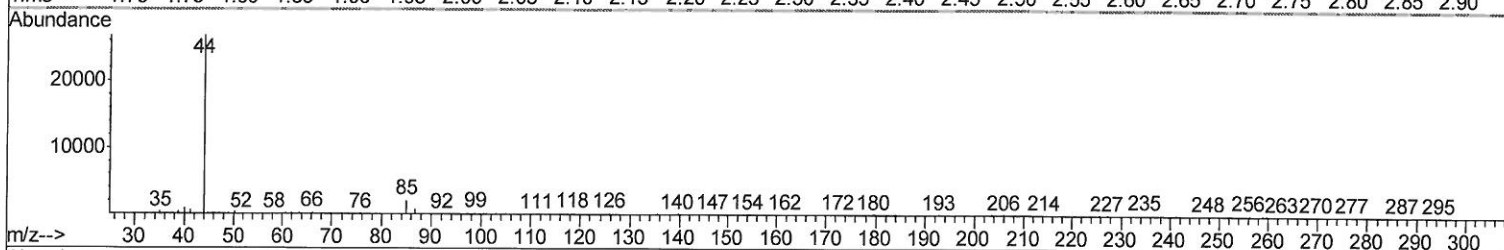
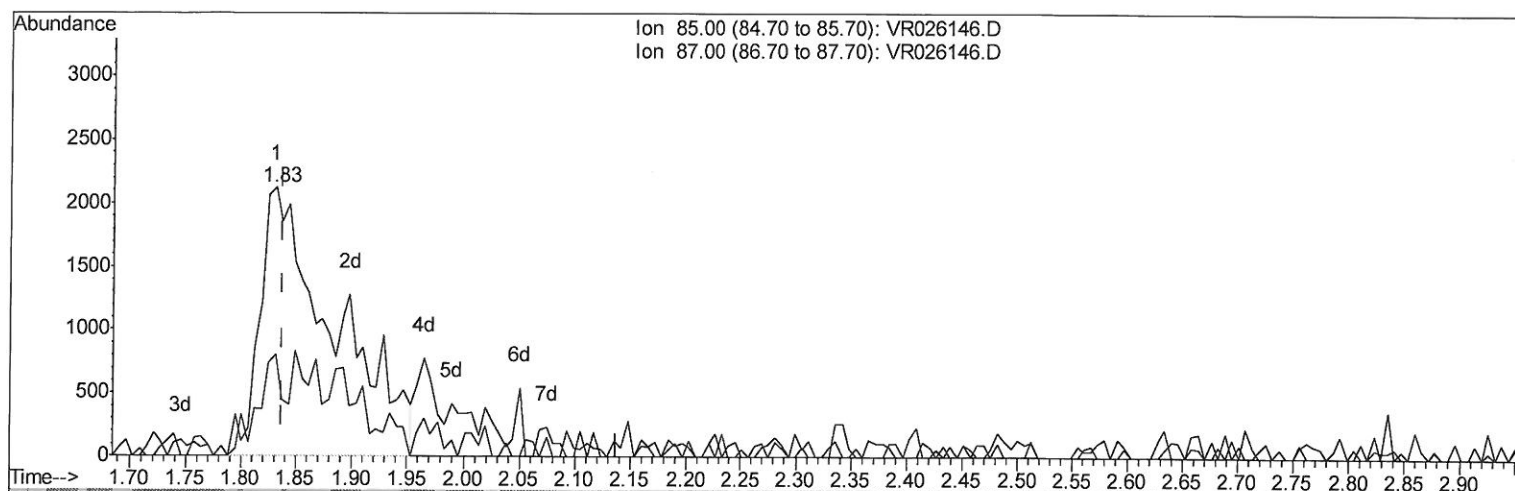
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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 20 01:53:32 2018
Response via : Initial Calibration



(2) Dichlorodifluoromethane (T)

1.831min (-0.006) 0.26ug/L m

10/23/18 SY

response 9741

Ion	Exp%	Act%
85.00	100	100
87.00	29.30	13.51#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR101918\
Quantitation Report (Qedit)

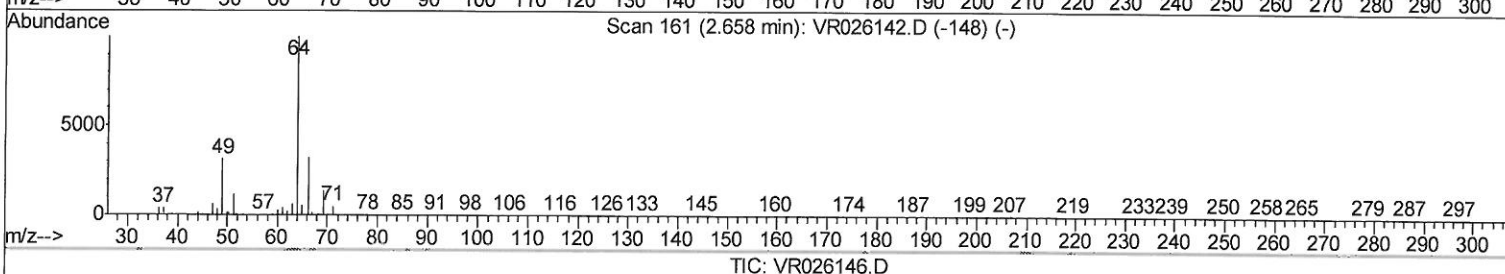
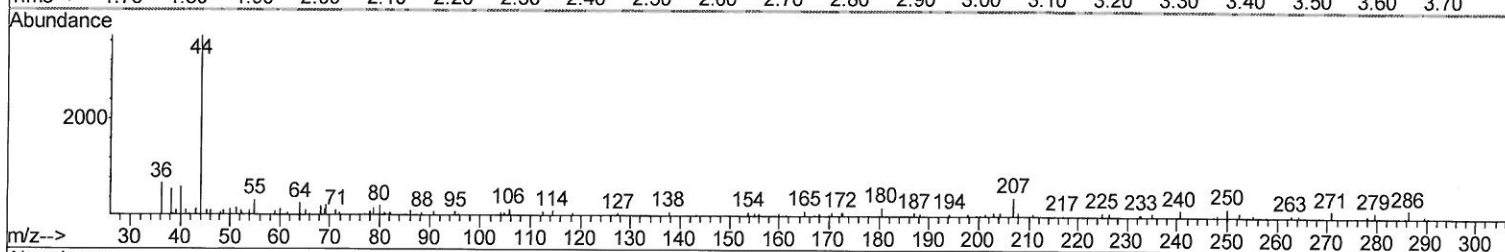
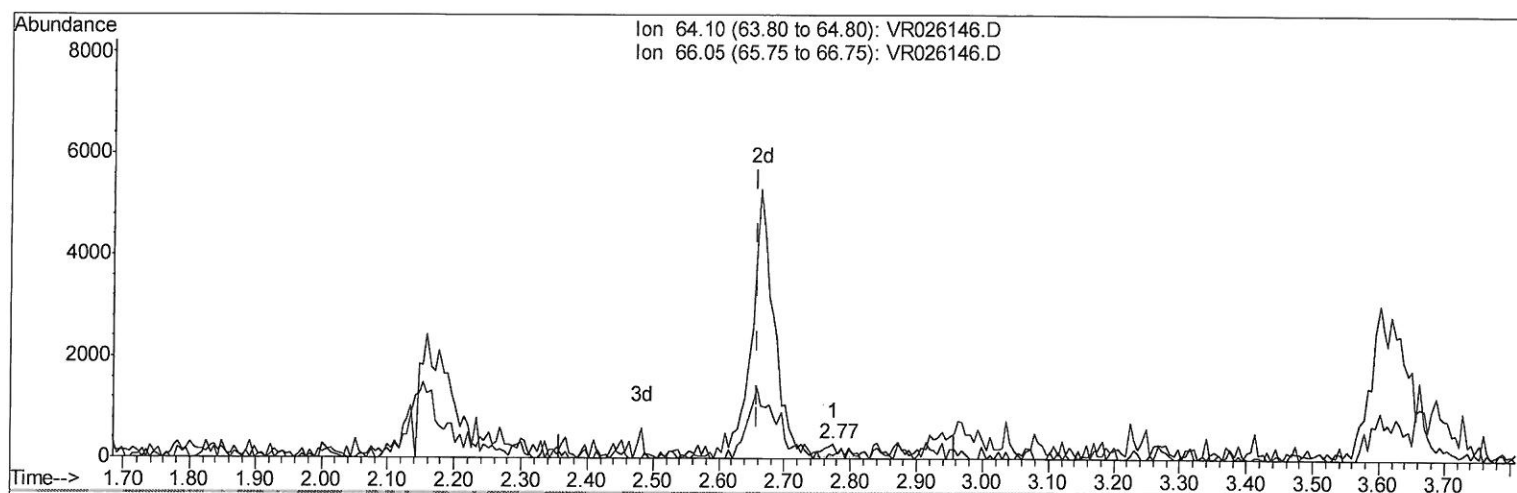
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(8) Chloroethane (T)

2.774min (+0.116) 0.01ug/L

response 424

Ion	Exp%	Act%
64.10	100	100
66.05	31.40	27.61
0.00	0.00	0.00
0.00	0.00	0.00

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Quantitation Report (Qedit)

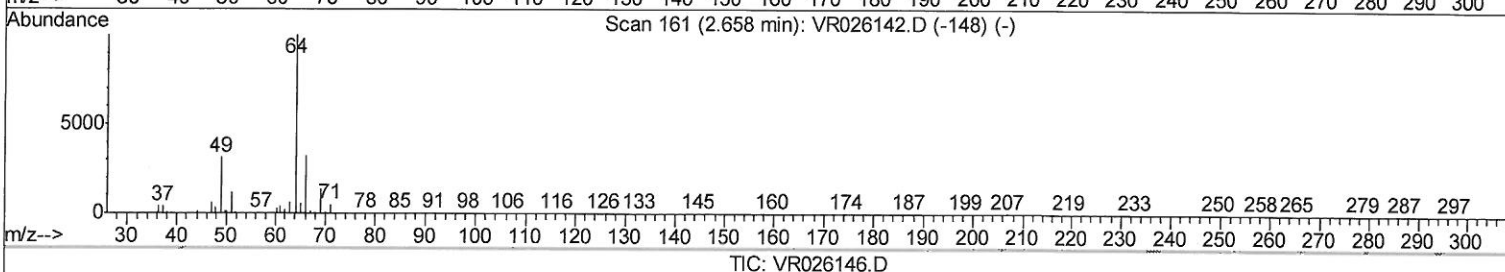
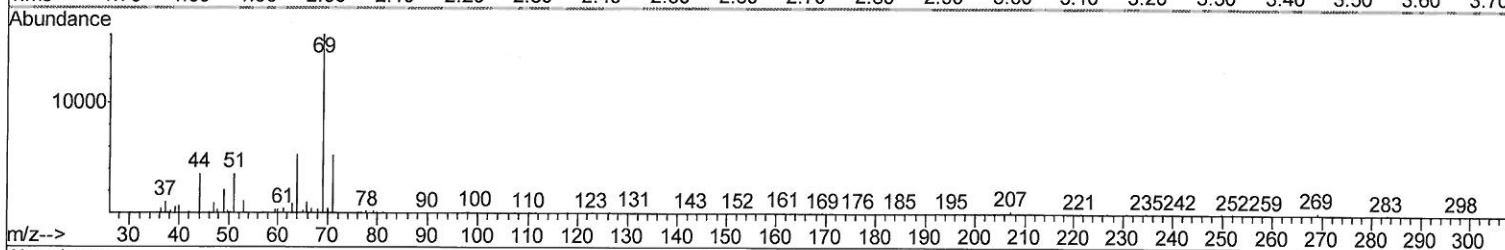
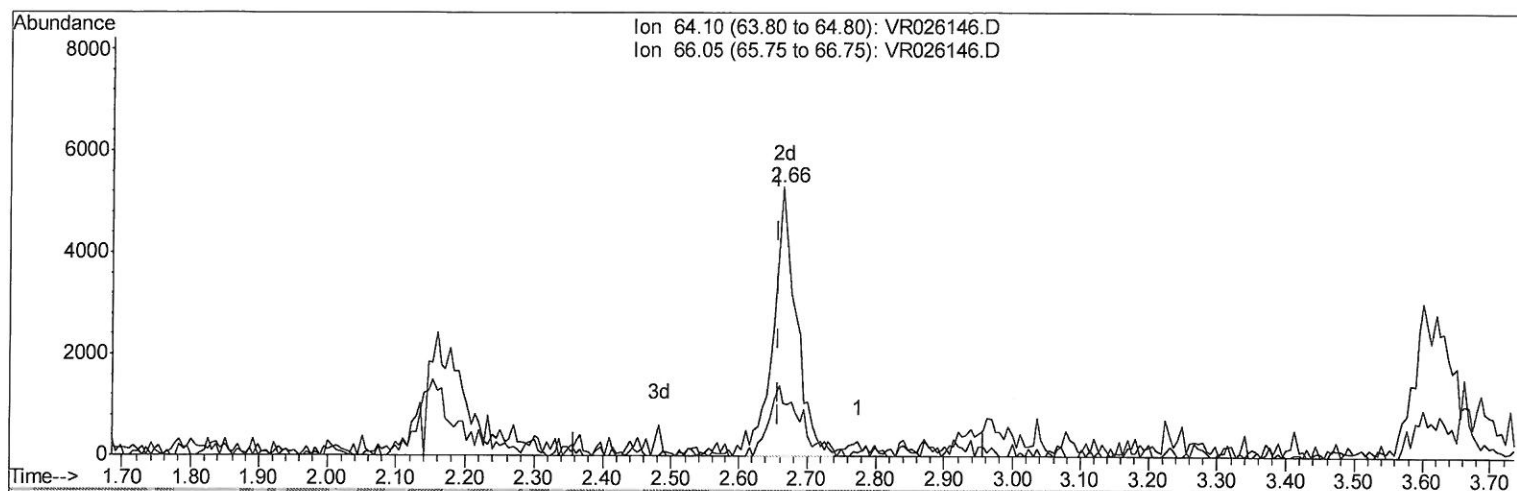
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(8) Chloroethane (T)

2.664min (+0.006) 0.34ug/L m) 10/23/18 SY

response 12638

Ion	Exp%	Act%
64.10	100	100
66.05	31.40	19.62#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR101918\
Quantitation Report (Qedit)

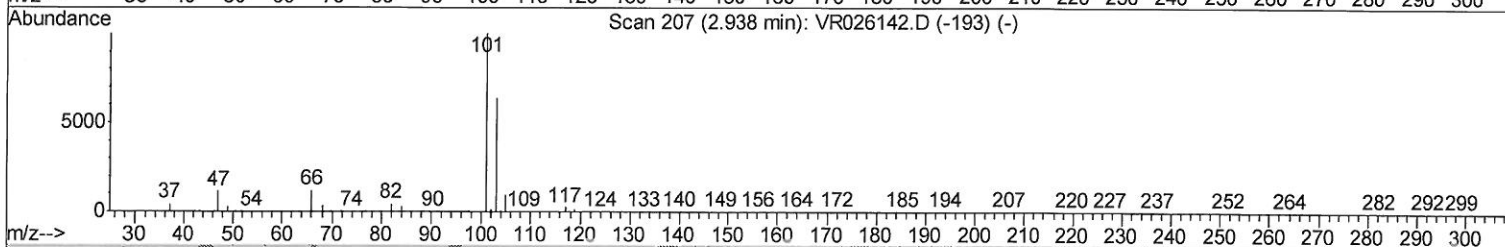
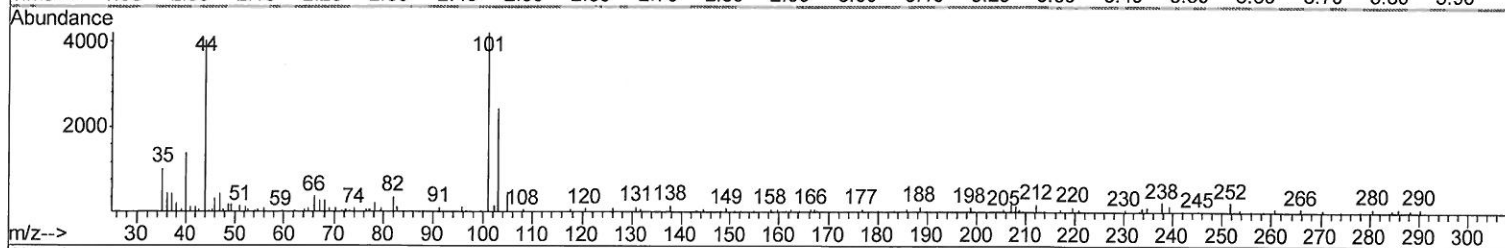
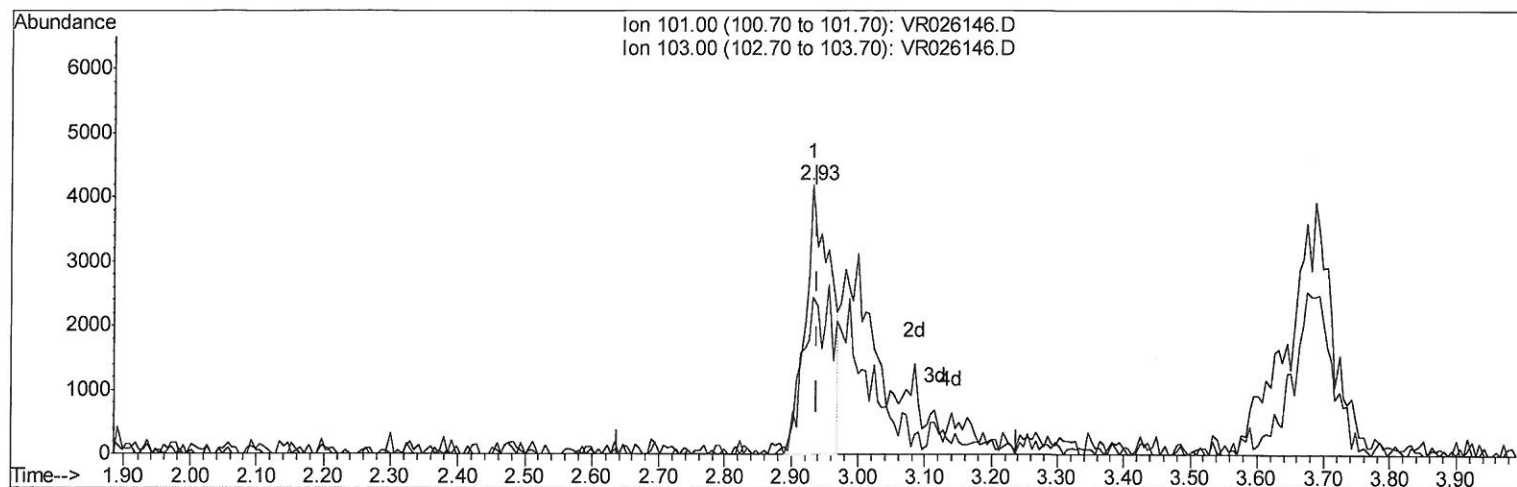
Data File : VR026146.D
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Misc : 25mL/MSVOA_R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
MDL

Manual Integrations
APPROVED

MMDadoda
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
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TIC: VR026146.D

(9) Trichlorofluoromethane (T)

2.932min (-0.006) 0.13ug/L

response 10892

Ion	Exp%	Act%
101.00	100	100
103.00	32.50	42.77#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR101918\
Quantitation Report (Qedit)

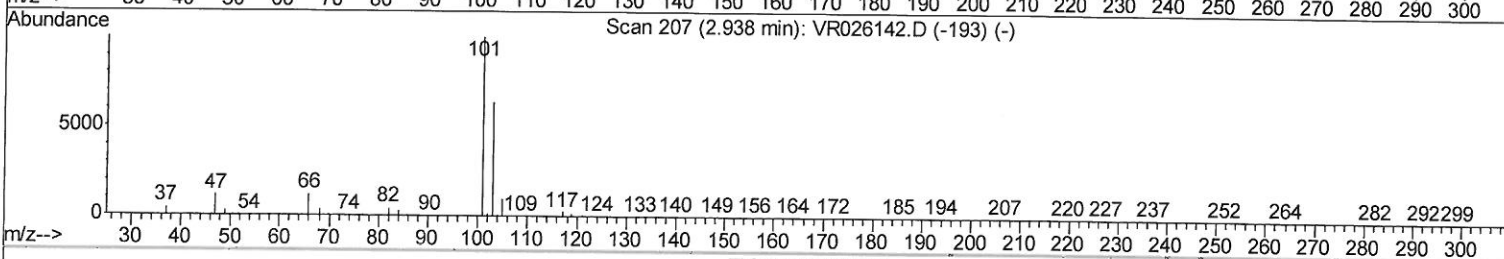
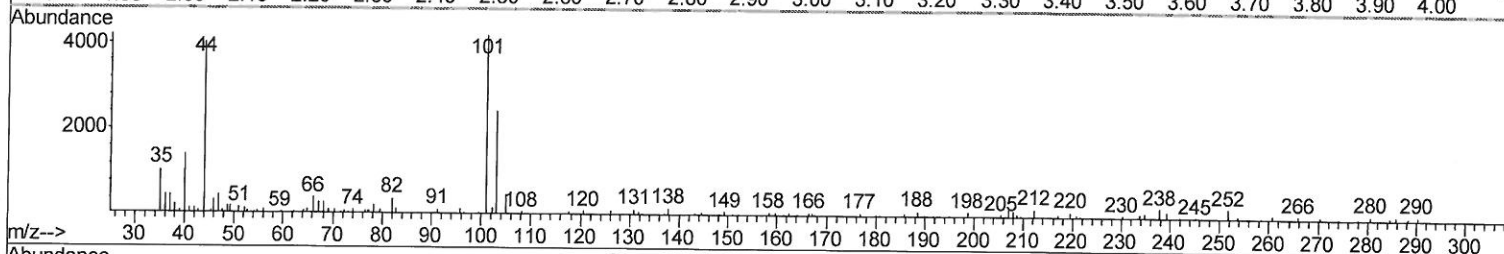
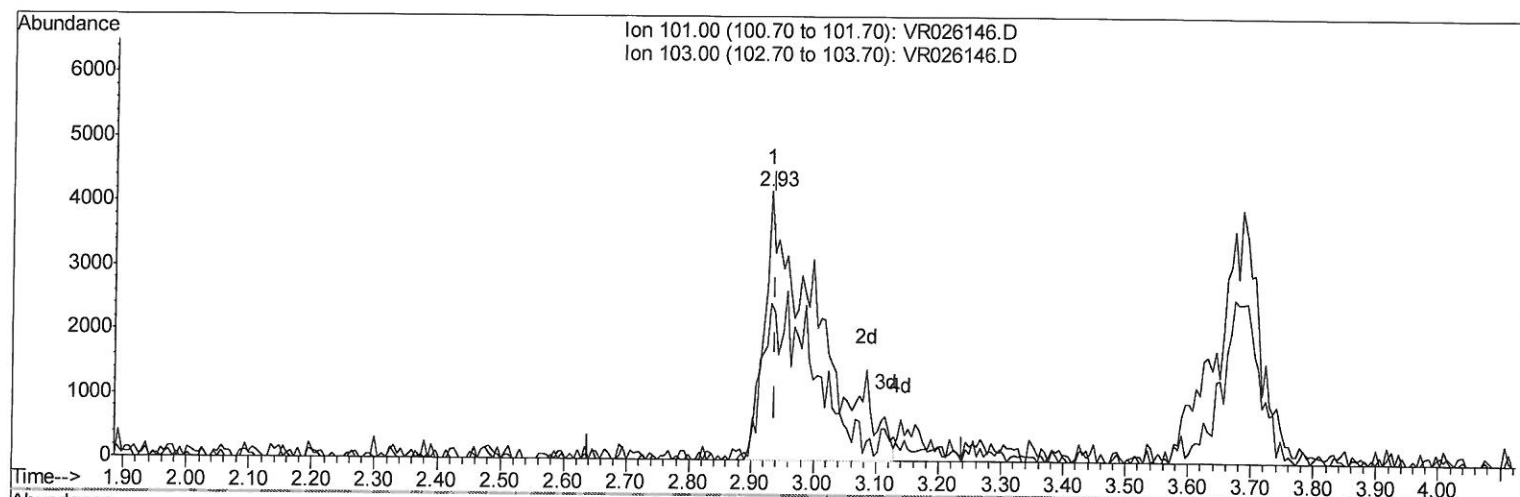
Data File : VR026146.D
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Operator : SY/MD
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Misc : 25mL/MSVOA_R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
MDL

Manual Integrations
APPROVED

MMDadoda
10/24/2018 12:17:32 PM

Quant Time: Oct 20 01:57:23 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
Quant Title : TRACE VOA SOM01.0
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Response via : Initial Calibration



TIC: VR026146.D

(9) Trichlorofluoromethane (T)

2.932min (-0.006) 0.28ug/L m

10/23/18 SY

response 23857

Ion	Exp%	Act%
101.00	100	100
103.00	32.50	19.52#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR101918\
Quantitation Report (Qedit)

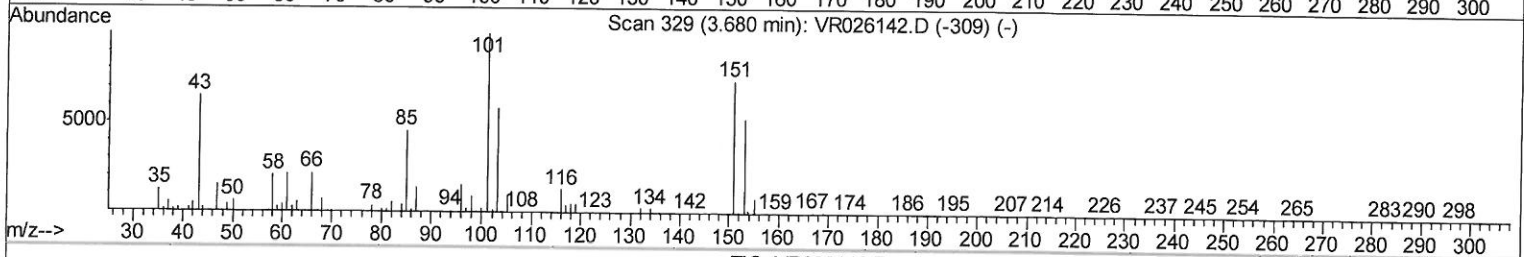
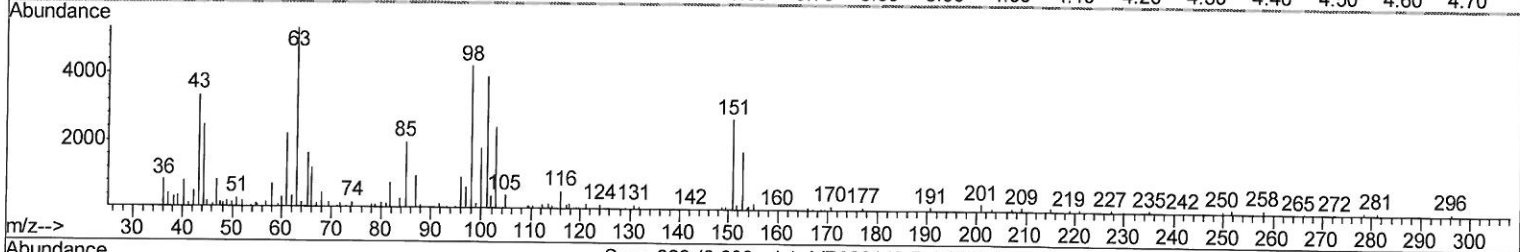
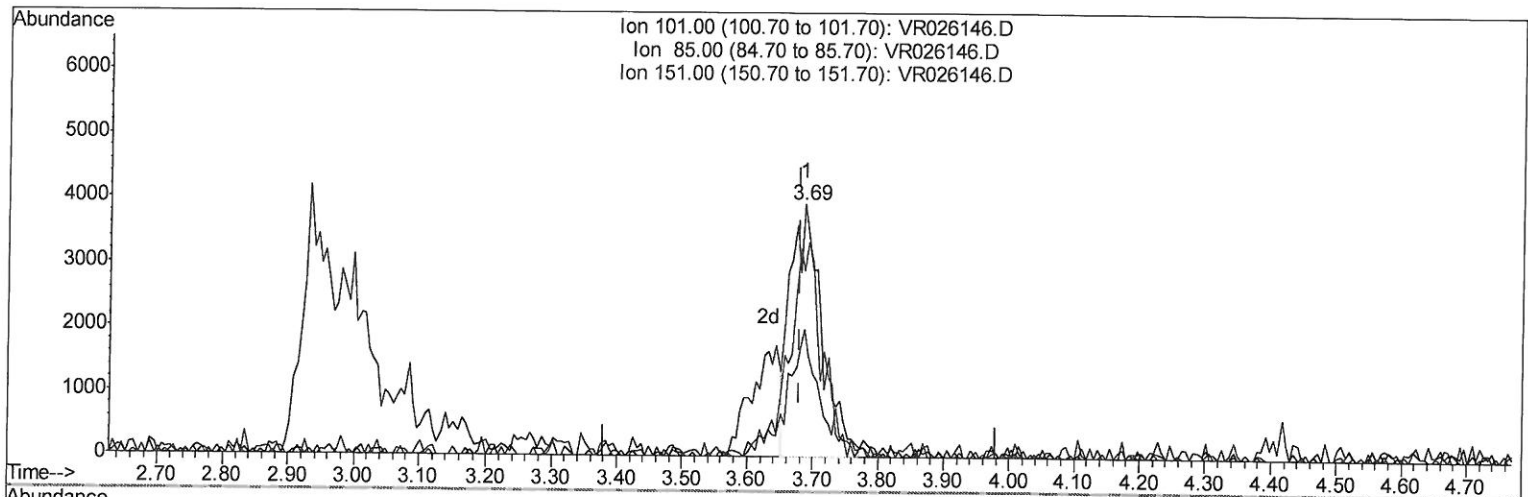
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Instrument :
MSVOA_R
ClientSampleId :
MDL

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TIC: VR026146.D

(10) 1,1,2-Trichloro-1,2,2-trifluoroethane (T)

3.687min (+0.006) 0.26ug/L

response 13256

Ion	Exp%	Act%
101.00	100	100
85.00	47.30	48.05
151.00	79.00	86.59
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR101918\
Quantitation Report (Qedit)

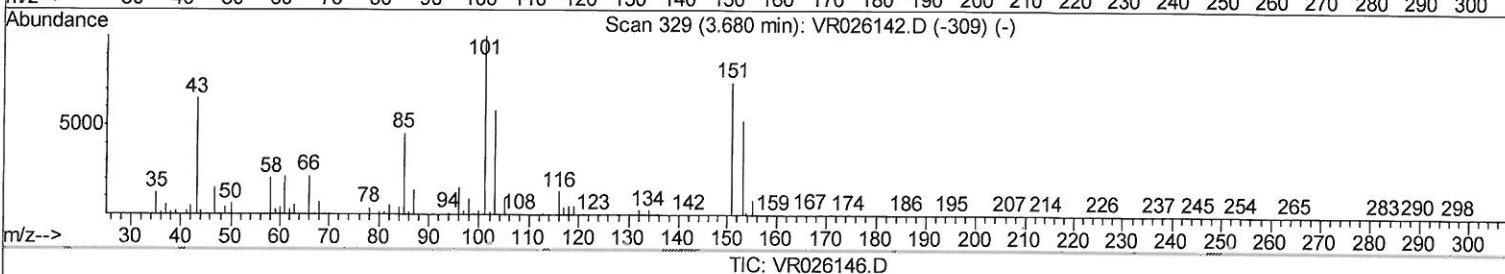
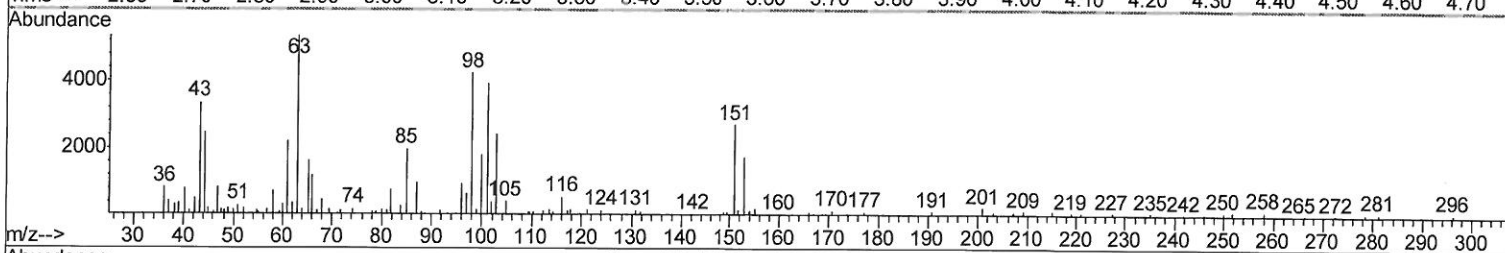
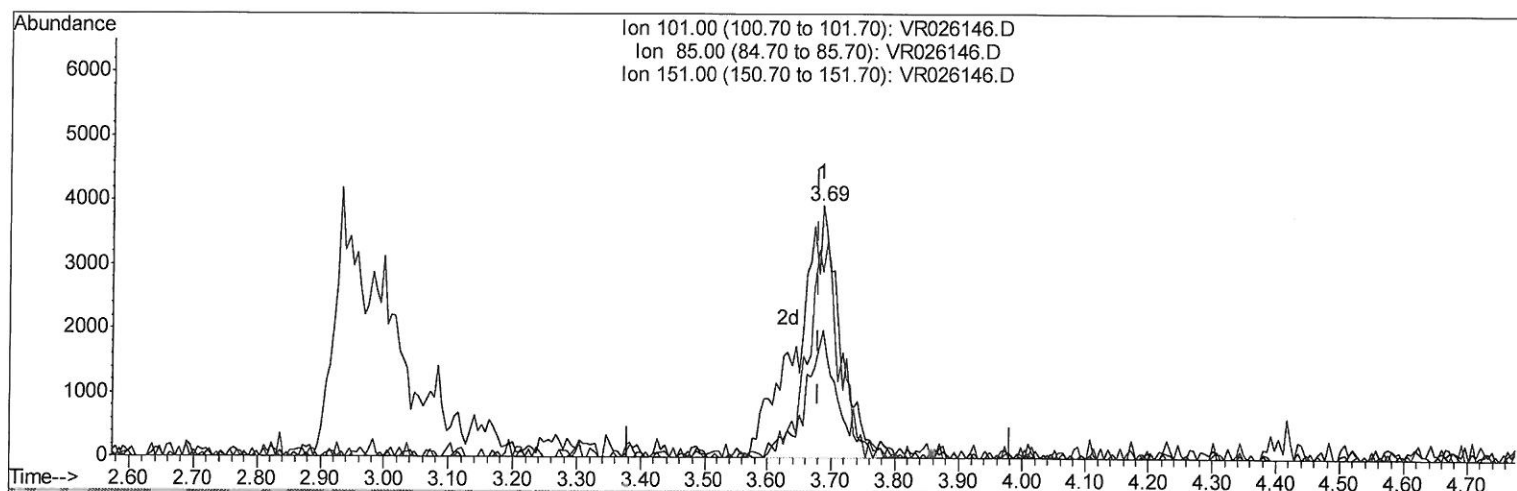
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ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampled :
MDL

Manual Integrations
APPROVED

MMDadoda
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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 20 01:53:32 2018
Response via : Initial Calibration



(10) 1,1,2-Trichloro-1,2,2-trifluoroethane (T)

3.687min (+0.006) 0.36ug/L m) 10(23) 18 52

response 18324

Ion	Exp%	Act%
101.00	100	100
85.00	47.30	34.76#
151.00	79.00	62.64#
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR101918\
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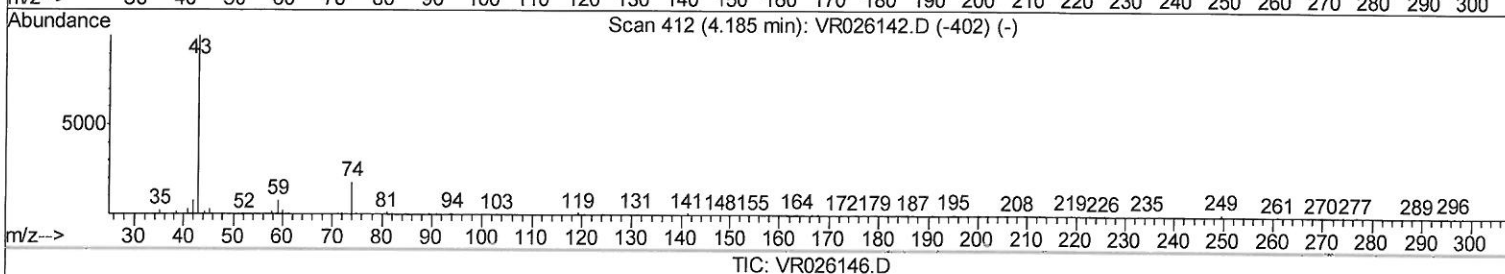
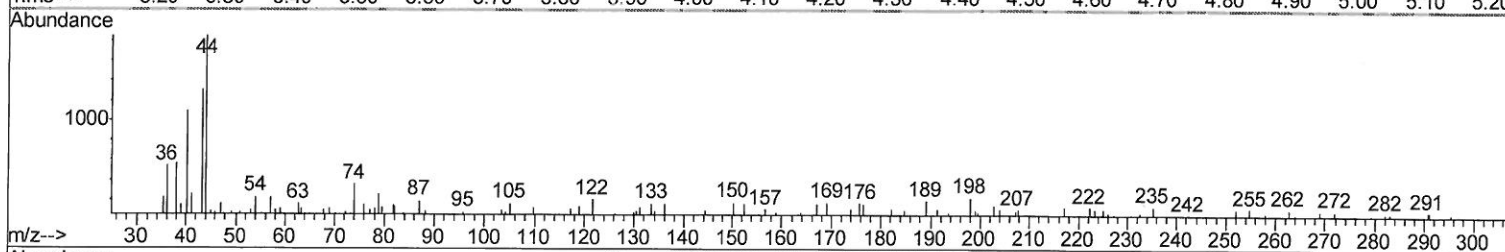
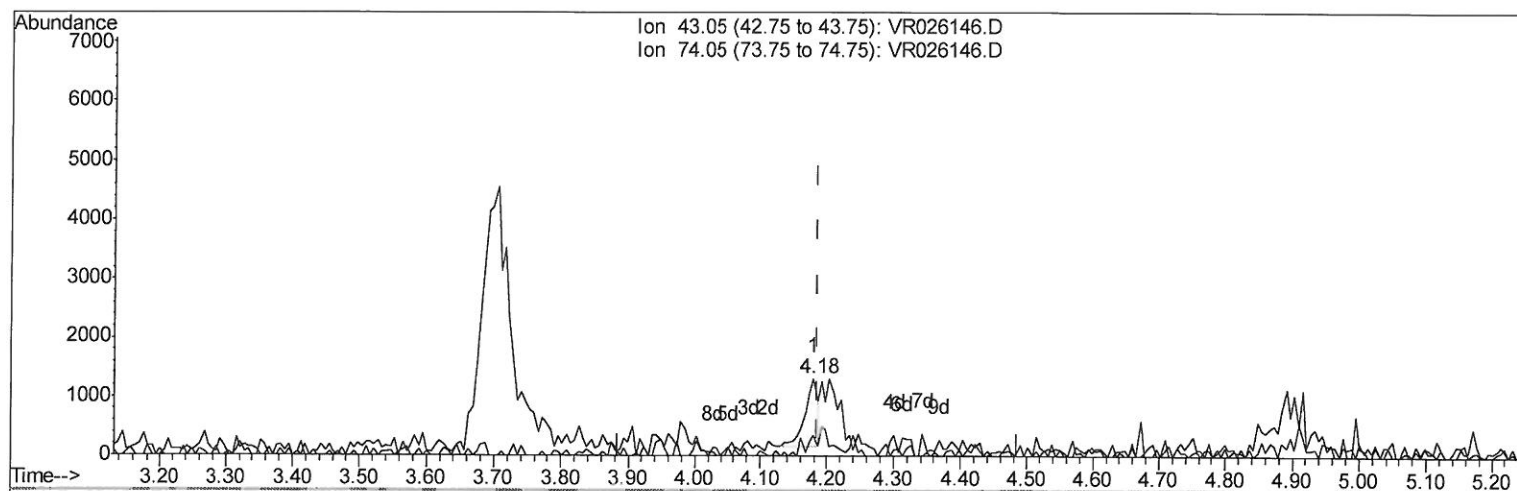
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(15) Methyl Acetate (T)

4.179min (-0.006) 0.14ug/L

response 1488

Ion	Exp%	Act%
43.05	100	100
74.05	24.80	69.35#
0.00	0.00	0.00
0.00	0.00	0.00

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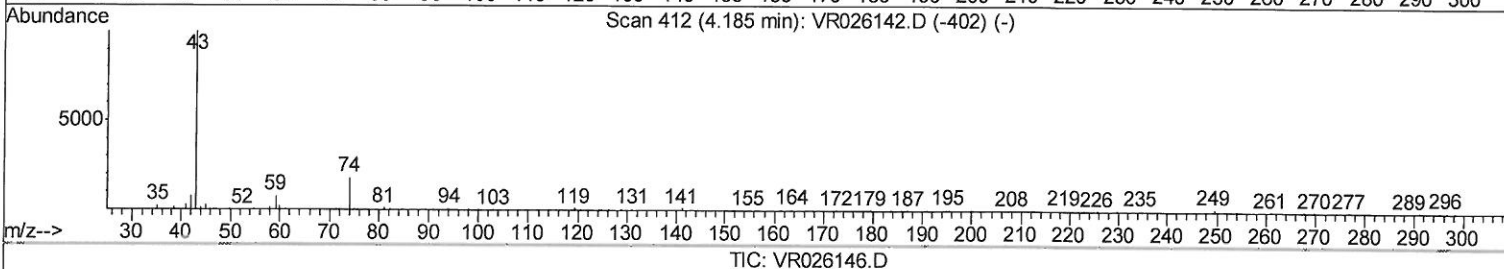
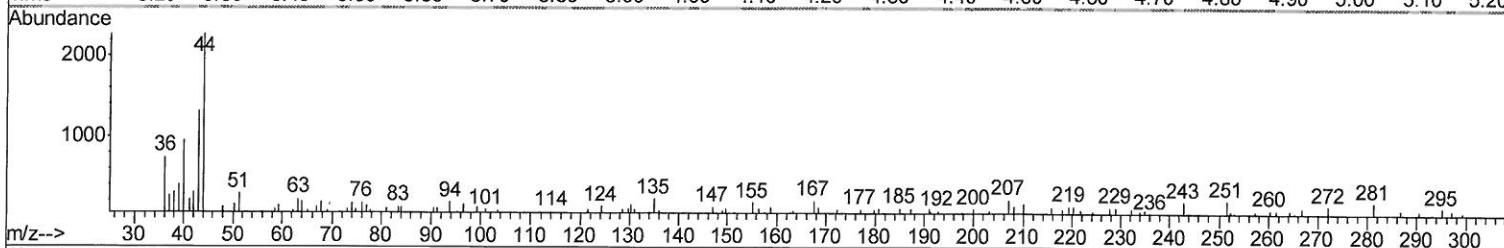
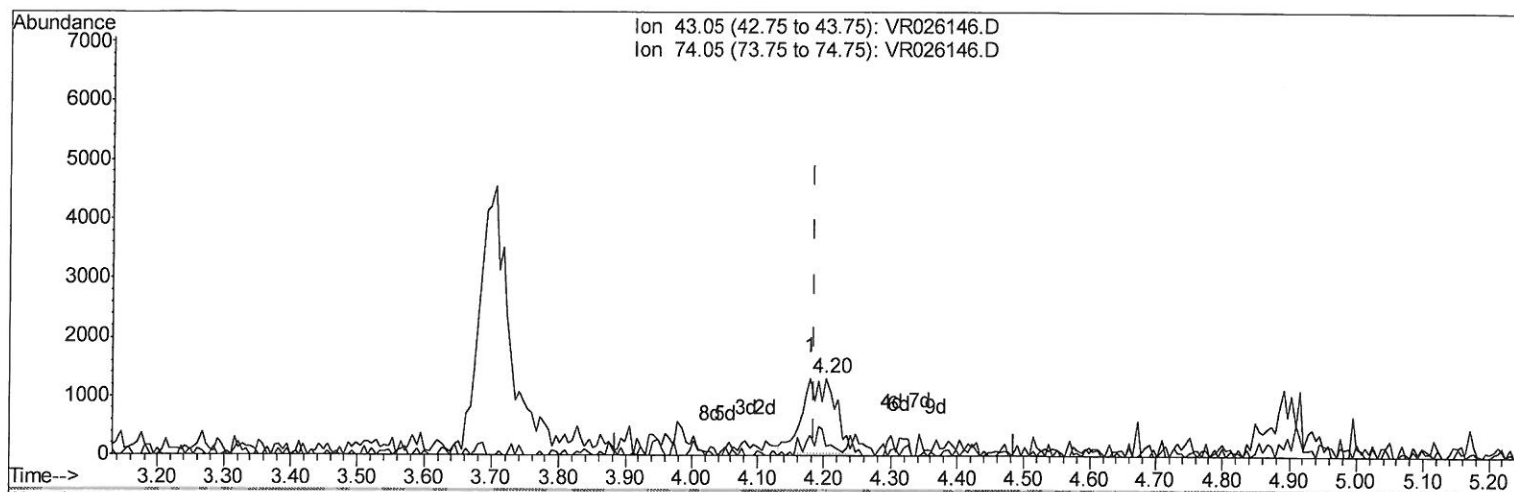
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(15) Methyl Acetate (T)

4.204min (+0.018) 0.39ug/L m) 10/23/18 SY

response 4246

Ion	Exp%	Act%
43.05	100	100
74.05	24.80	24.31
0.00	0.00	0.00
0.00	0.00	0.00

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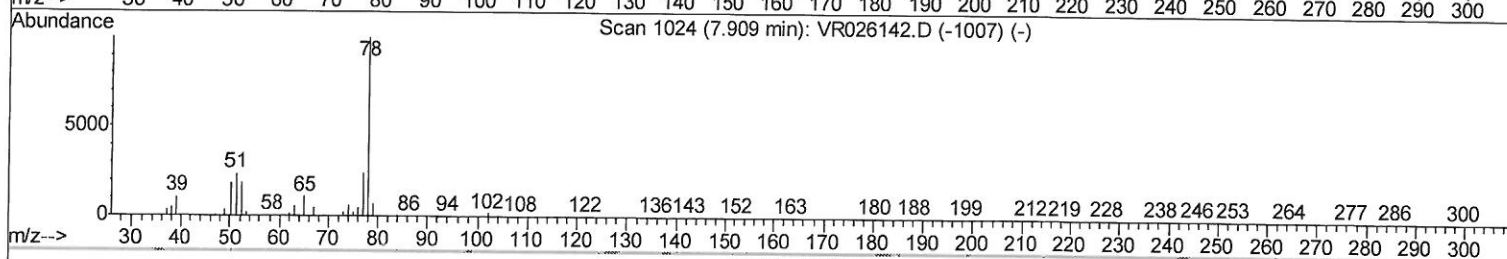
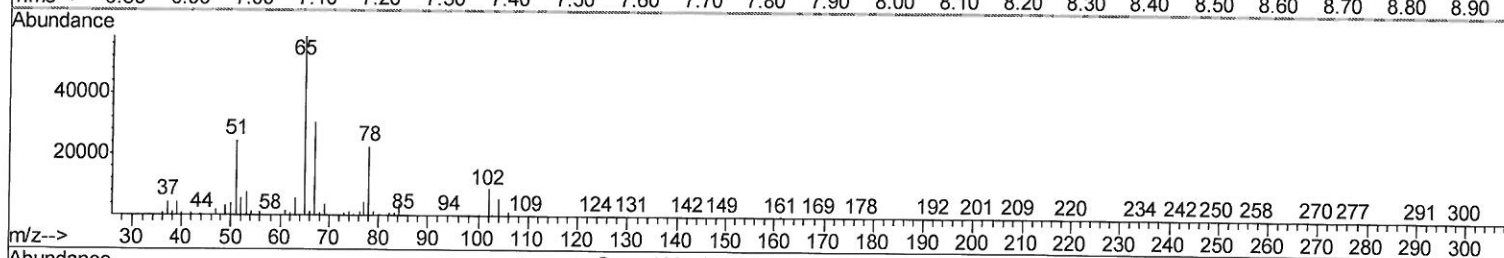
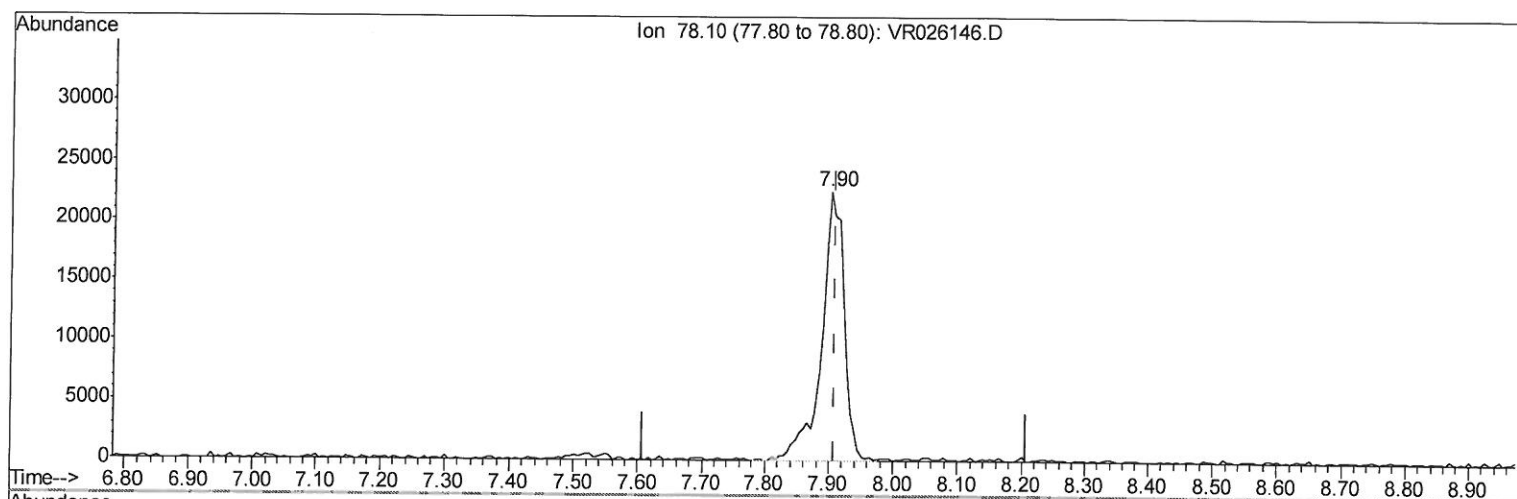
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TIC: VR026146.D

(33) Benzene (T)

7.902min (-0.006) 0.31ug/L

response 54807

Ion	Exp%	Act%
78.10	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

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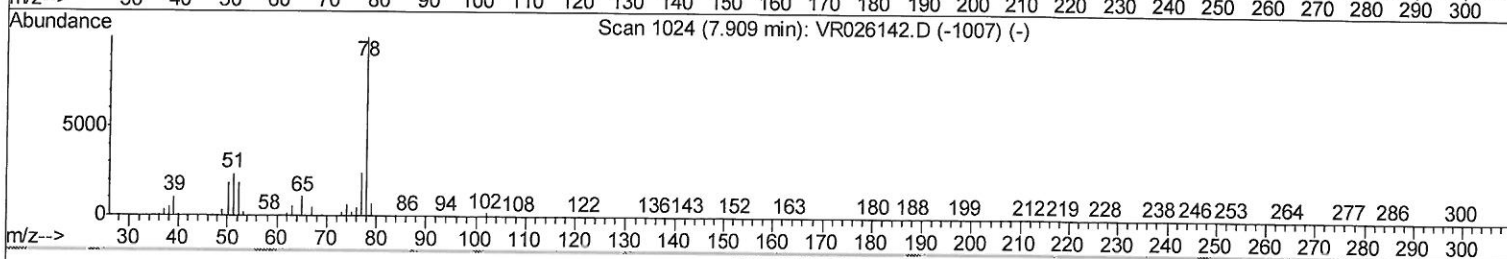
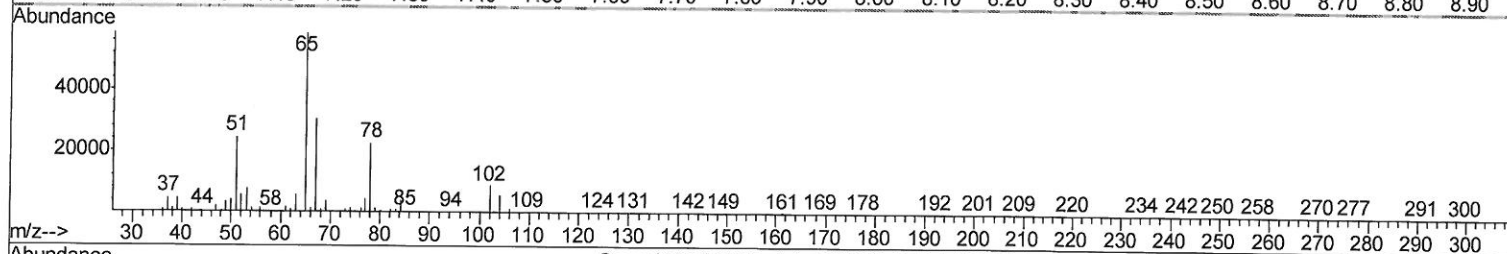
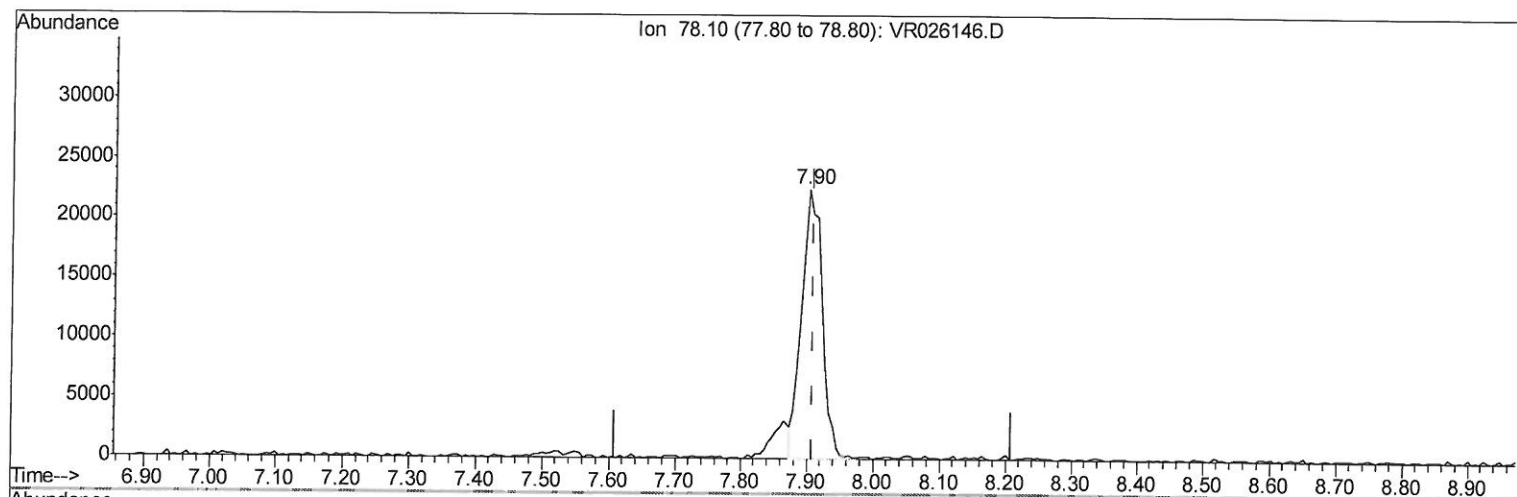
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TIC: VR026146.D

(33) Benzene (T)

7.902min (-0.006) 0.27ug/L m) (0.2 > 0.18 82

response 48914

Ion	Exp%	Act%
78.10	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	558216	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	478084	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	152522	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	196637	4.02	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.40%
7) Chloroethane-d5	2.63	69	190778	4.54	ug/L	0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.80%
11) 1,1-Dichloroethene-d2	3.60	63	368758	3.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.40%
20) 2-Butanone-d5	6.59	46	222308	55.43	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.86%
24) Chloroform-d	7.20	84	354953	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.40%
26) 1,2-Dichloroethane-d4	7.90	65	151483	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
32) Benzene-d6	7.85	84	668888	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.00%
36) 1,2-Dichloropropane-d6	8.90	67	193080	4.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.40%
41) Toluene-d8	9.97	98	601662	4.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.00%
43) trans-1,3-Dichloropropene-	10.24	79	39899	3.84	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.80%
46) 2-Hexanone-d5	10.59	63	175445	58.40	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	116.80%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	76434	4.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.20%
64) 1,2-Dichlorobenzene-d4	13.51	152	115252	4.78	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	9741m	0.260 ug/L	
3) Chloromethane	2.01	50	16150	0.271 ug/L	89
5) Vinyl chloride	2.16	62	17016	0.287 ug/L #	69
6) Bromomethane	2.53	94	12245	0.313 ug/L	94
8) Chloroethane	2.66	64	12638m	0.344 ug/L	
9) Trichlorofluoromethane	2.93	101	23857m	0.279 ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	18324m	0.359 ug/L	
12) 1,1-Dichloroethene	3.63	96	18000	0.332 ug/L #	1
13) Acetone	3.70	43	13261	3.198 ug/L	94
14) Carbon disulfide	3.93	76	31085	0.219 ug/L #	87
15) Methyl Acetate	4.20	43	4246m	0.392 ug/L	
16) Methylene chloride	4.40	84	17764	0.361 ug/L	81
17) Methyl tert-butyl Ether	4.90	73	12071	0.245 ug/L	91
18) trans-1,2-Dichloroethene	4.88	96	11723	0.286 ug/L #	83
19) 1,1-Dichloroethane	5.70	63	21123	0.274 ug/L #	94
21) 2-Butanone	6.69	43	13275	2.775 ug/L	98
22) cis-1,2-Dichloroethene	6.68	96	11802	0.304 ug/L #	99

10/23/18

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR101918\
 Quantitation Report (QT Reviewed)

Data File : VR026146.D
 Acq On : 19 Oct 2018 12:58
 Operator : SY/MD
 Sample : MDL
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_R
 Client Sampled :
 MDL

Manual Integrations
 APPROVED

MMDadoda
 10/24/2018 12:17:32 PM

Quant Time: Oct 20 02:12:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Oct 20 01:53:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.04	128	3562	0.327	ug/L #	61
25) Chloroform	7.23	83	24375	0.324	ug/L	89
27) 1,2-Dichloroethane	7.99	62	10762	0.292	ug/L #	96
29) 1,1,1-Trichloroethane	7.43	97	17863	0.273	ug/L	98
30) Cyclohexane	7.51	56	12836	0.196	ug/L #	85
31) Carbon tetrachloride	7.64	117	15274	0.257	ug/L	99
33) Benzene	7.90	78	48914m	0.273	ug/L	10123/1857
34) Trichloroethene	8.71	95	12223	0.266	ug/L	92
35) Methylcyclohexane	8.96	83	13812	0.202	ug/L #	83
37) 1,2-Dichloropropane	8.99	63	10749	0.284	ug/L #	95
38) Bromodichloromethane	9.28	83	10846	0.266	ug/L	83
39) cis-1,3-Dichloropropene	9.72	75	9739	0.225	ug/L #	66
40) 4-Methyl-2-pentanone	9.87	43	25453	2.202	ug/L #	92
42) Toluene	10.03	91	51269	0.271	ug/L	98
44) trans-1,3-Dichloropropene	10.26	75	9947	0.329	ug/L	100
45) 1,1,2-Trichloroethane	10.45	97	5520	0.346	ug/L	91
47) Tetrachloroethene	10.51	164	7912	0.241	ug/L	86
48) 2-Hexanone	10.63	43	21362	2.830	ug/L	95
49) Dibromochloromethane	10.79	129	4848	0.270	ug/L	79
50) 1,2-Dibromoethane	10.89	107	3547	0.257	ug/L #	78
51) Chlorobenzene	11.31	112	28065	0.268	ug/L	96
52) Ethylbenzene	11.39	91	49785	0.229	ug/L	96
53) m,p-Xylene	11.50	106	16382	0.207	ug/L	96
54) o-Xylene	11.83	106	14341	0.197	ug/L	97
55) Styrene	11.84	104	20360	0.182	ug/L	93
56) Isopropylbenzene	12.13	105	37162	0.184	ug/L	97
58) 1,1,1,2-Tetrachloroethane	12.38	83	5443	0.335	ug/L #	94
59) 1,2,3-Trichloropropane	12.43	75	3534	0.297	ug/L #	87
61) Bromoform	12.01	173	1721	0.325	ug/L #	91
62) 1,3-Dichlorobenzene	13.16	146	12275	0.242	ug/L	88
63) 1,4-Dichlorobenzene	13.24	146	15244	0.291	ug/L	94
65) 1,2-Dichlorobenzene	13.53	146	12391	0.305	ug/L	86
66) 1,2-Dibromo-3-chloropropan	14.14	75	496	0.299	ug/L	94
67) 1,3,5-Trichlorobenzene	14.29	180	8399	0.272	ug/L	92
68) 1,2,4-trichlorobenzene	14.79	180	4042	0.224	ug/L #	87
69) Naphthalene	15.00	128	2878	0.164	ug/L #	68
70) 1,2,3-Trichlorobenzene	15.18	180	3346	0.267	ug/L #	89

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