

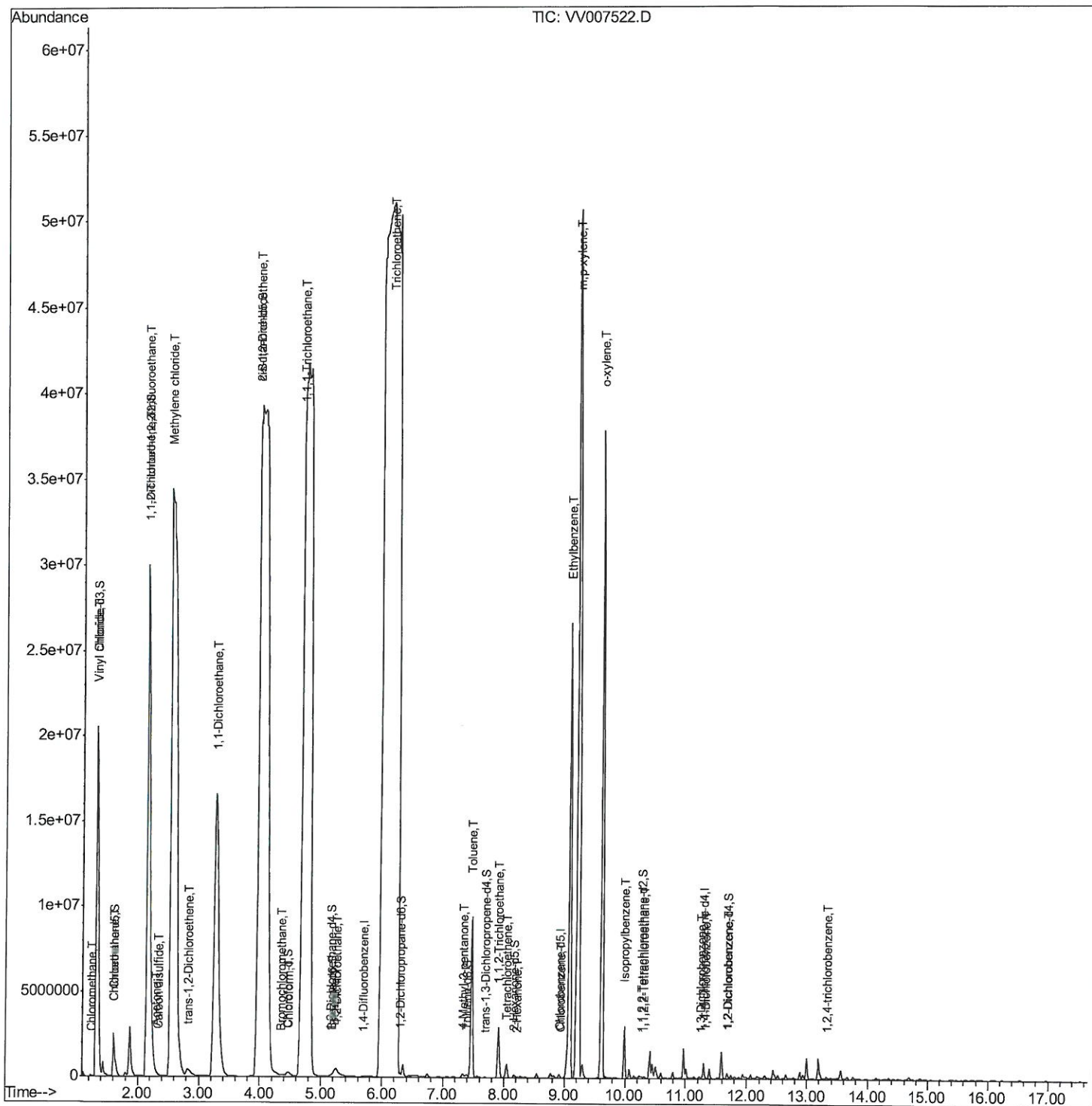
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091318\
Data File : VV007522.D
Acq On : 13 Sep 2018 21:04
Operator : SY/MD
Sample : J4864-01
Misc : 25.0 mL/MSVOA V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0D07

Manual Integrations
APPROVED

MMDadoda
9/17/2018 12:29:15 PM

Quant Time: Sep 14 05:56:16 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091318WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Sep 14 05:10:24 2018
Response via : Initial Calibration



Quantitation Report (Qedit)

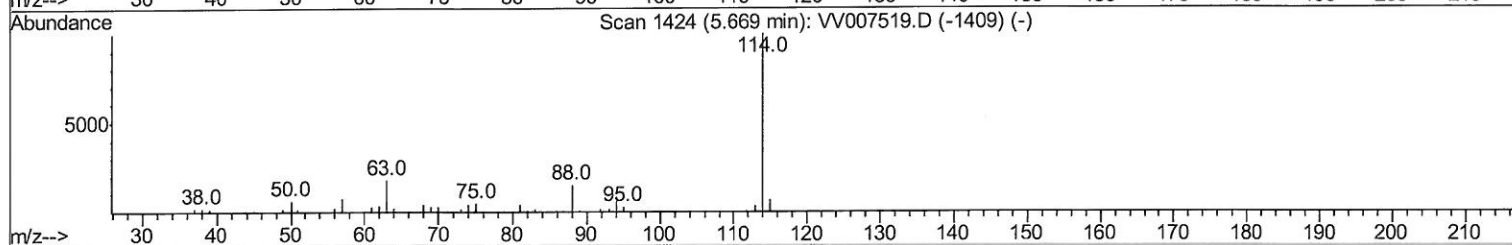
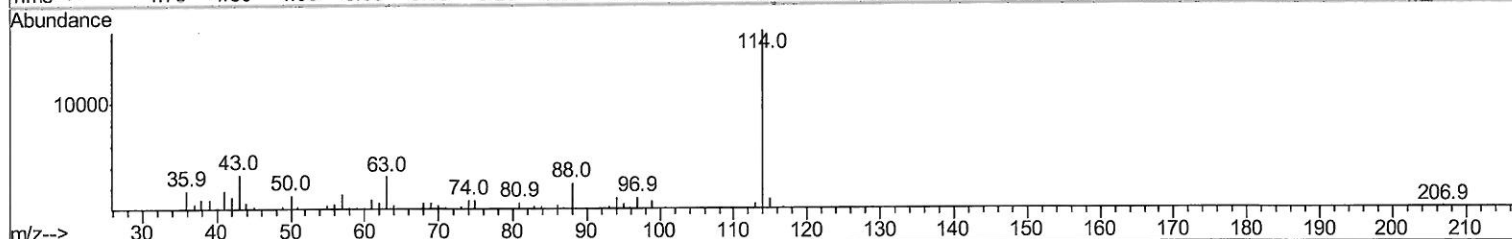
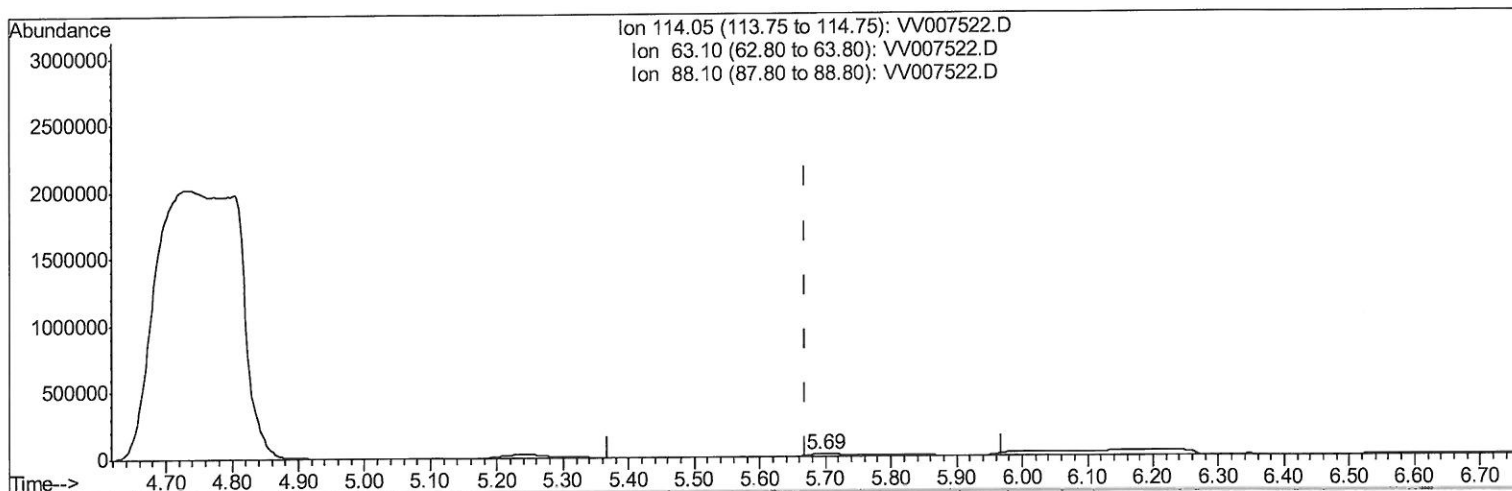
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091318\
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Manual Integrations
 APPROVED

MMDadoda
 9/17/2018 12:29:15 PM

Quant Time: Sep 14 05:11:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091318WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Sep 14 05:10:24 2018
 Response via : Initial Calibration



TIC: VV007522.D

(1) 1,4-Difluorobenzene (I)
 5.691min (+0.022) 5.00ug/L
 response 76194

Ion	Exp%	Act%
114.05	100	100
63.10	18.30	13.75#
88.10	14.90	10.39#
0.00	0.00	0.00

Quantitation Report (Qedit)

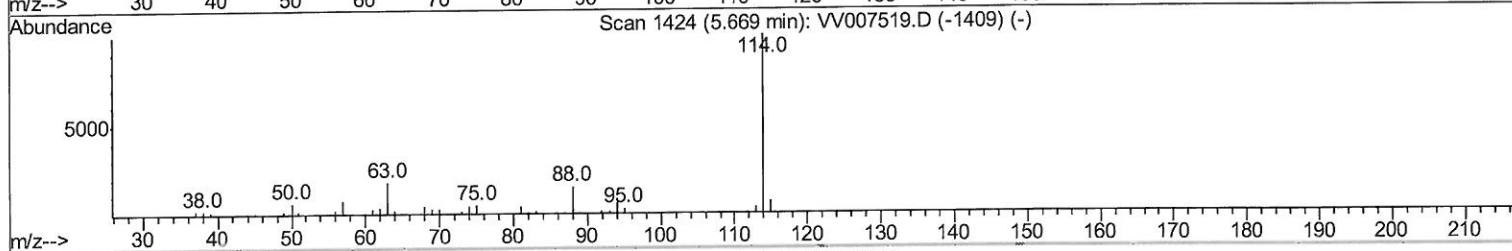
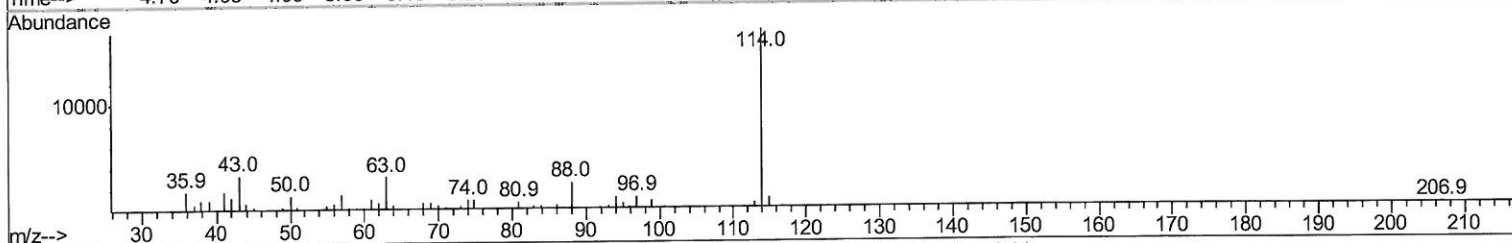
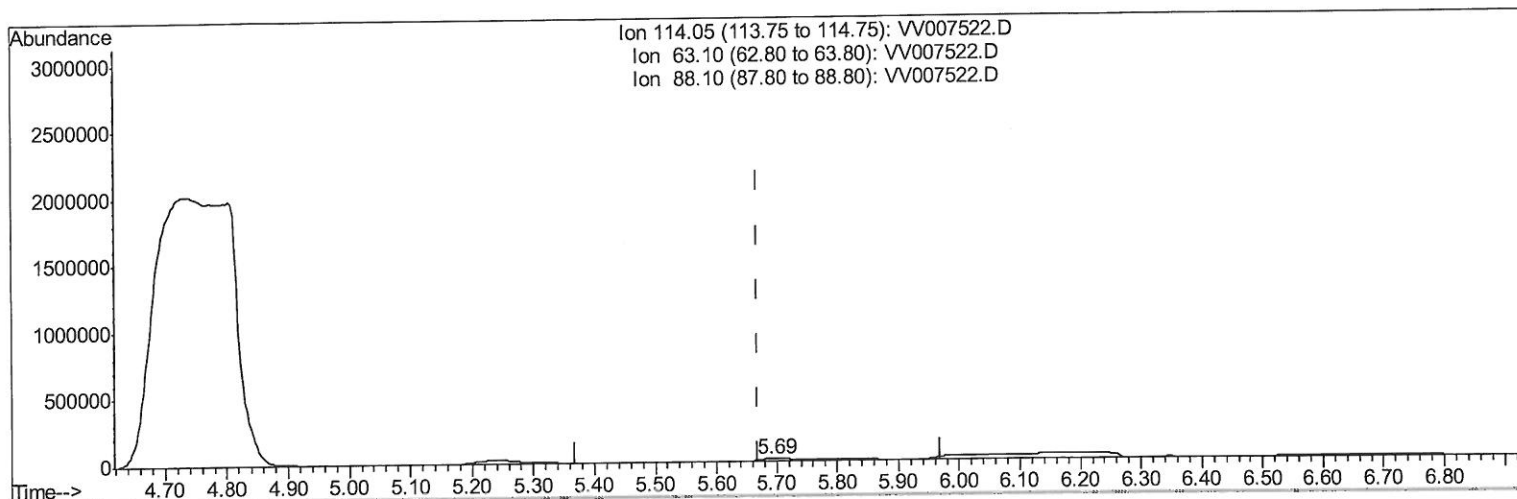
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091318\
Data File : VV007522.D
Acq On : 13 Sep 2018 21:04
Operator : SY/MD
Sample : J4864-01
Misc : 25.0 mL/MSVOA V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampled :
C0D07

Manual Integrations
APPROVED

MMDadoda
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Quant Time: Sep 14 05:11:10 2018
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QLast Update : Fri Sep 14 05:10:24 2018
Response via : Initial Calibration



TIC: VV007522.D

(1) 1,4-Difluorobenzene (I)

5.691min (+0.022) 5.00ug/L m

response 146176

Ion	Exp%	Act%
114.05	100	100
63.10	18.30	7.17#
88.10	14.90	5.41#
0.00	0.00	0.00

MD
09/18/18

Quantitation Report (Qedit)

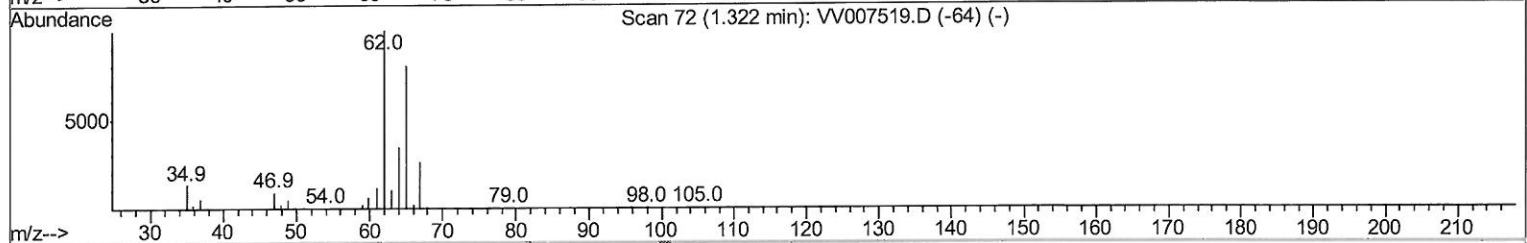
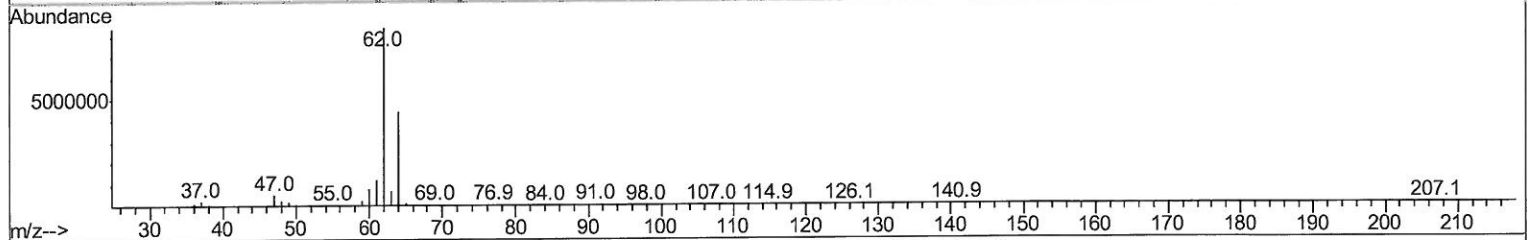
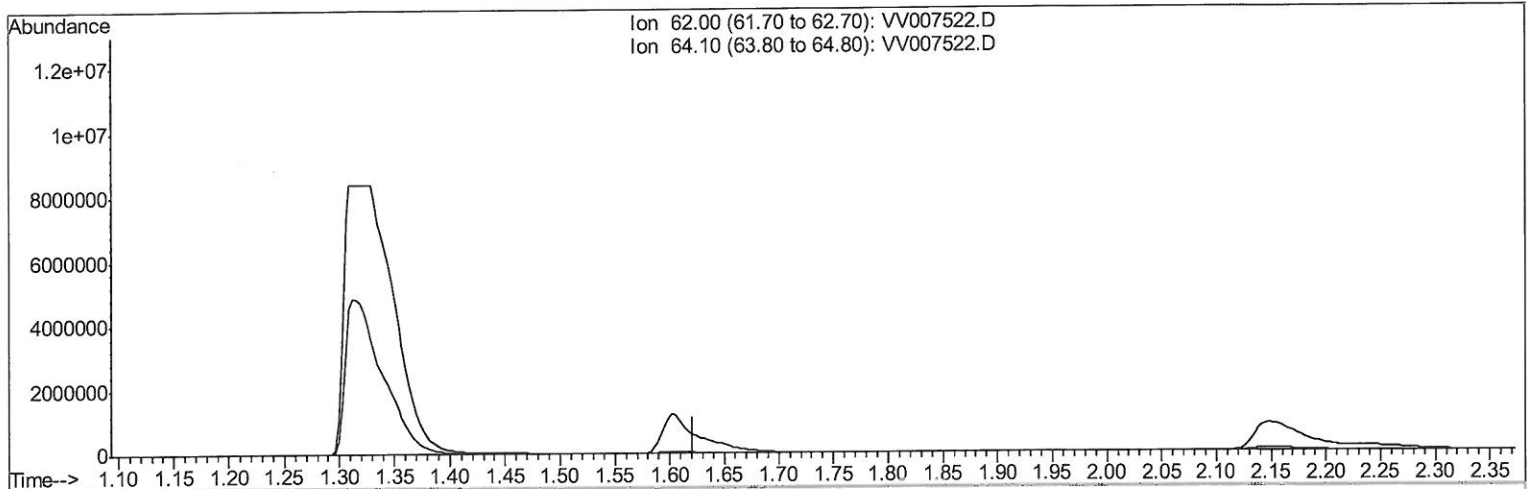
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091318\
 Data File : VV007522.D
 Acq On : 13 Sep 2018 21:04
 Operator : SY/MD
 Sample : J4864-01
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0D07

Manual Integrations
 APPROVED

MMDadoda
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Sep 14 05:10:24 2018
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TIC: VV007522.D

(5) Vinyl chloride (T)

1.322min (-1.322) 0.00ug/L

response 0

Ion	Exp%	Act%
62.00	100	0.00
64.10	34.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

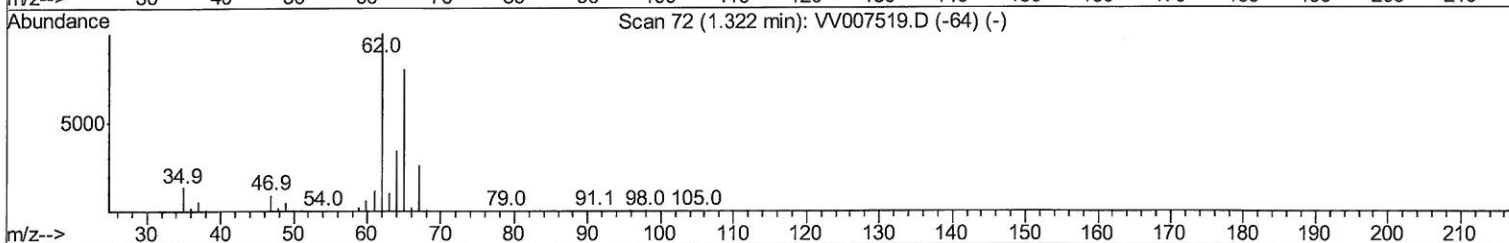
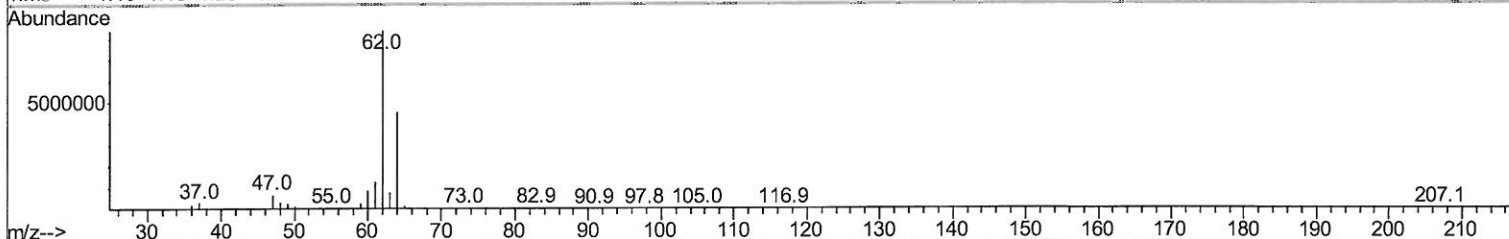
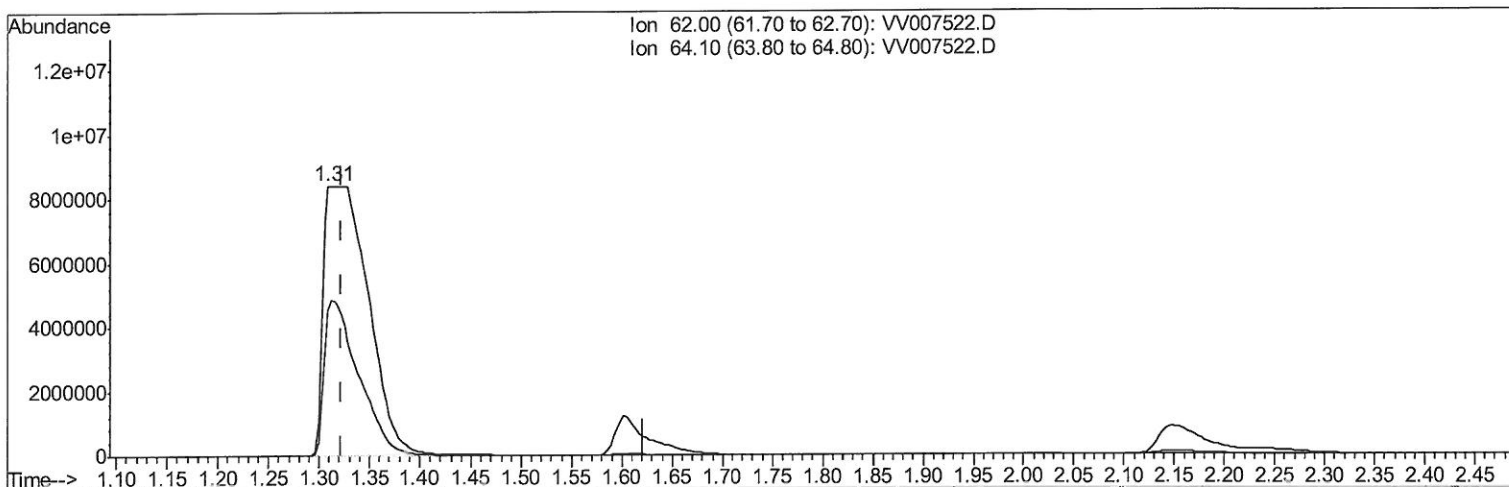
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Manual Integrations
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TIC: VV007522.D

(5) Vinyl chloride (T)

1.309min (-0.013) 3394.51ug/L m

response 26065791

Ion	Exp%	Act%
62.00	100	100
64.10	34.80	54.03#
0.00	0.00	0.00
0.00	0.00	0.00

> MD
 29/18/18

Quantitation Report (Qedit)

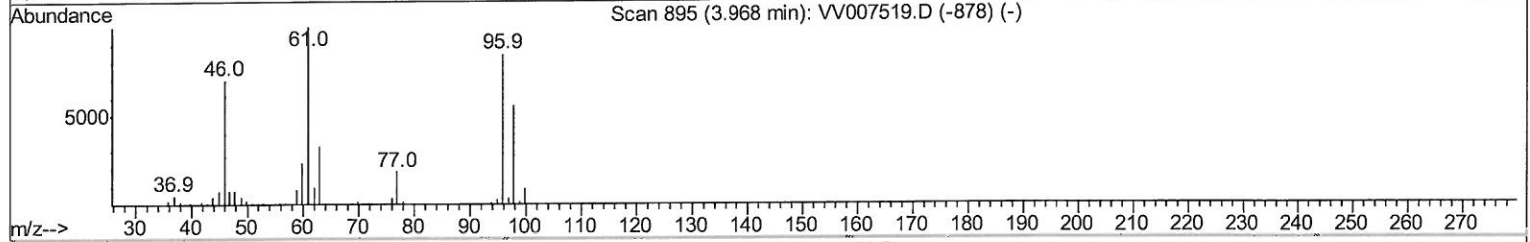
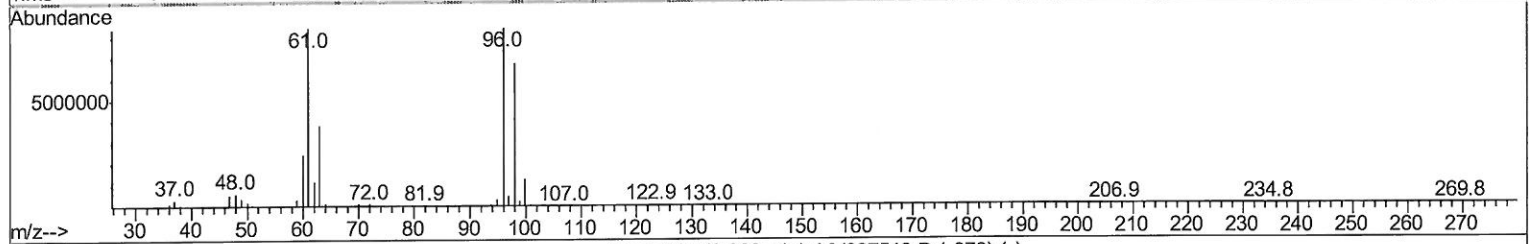
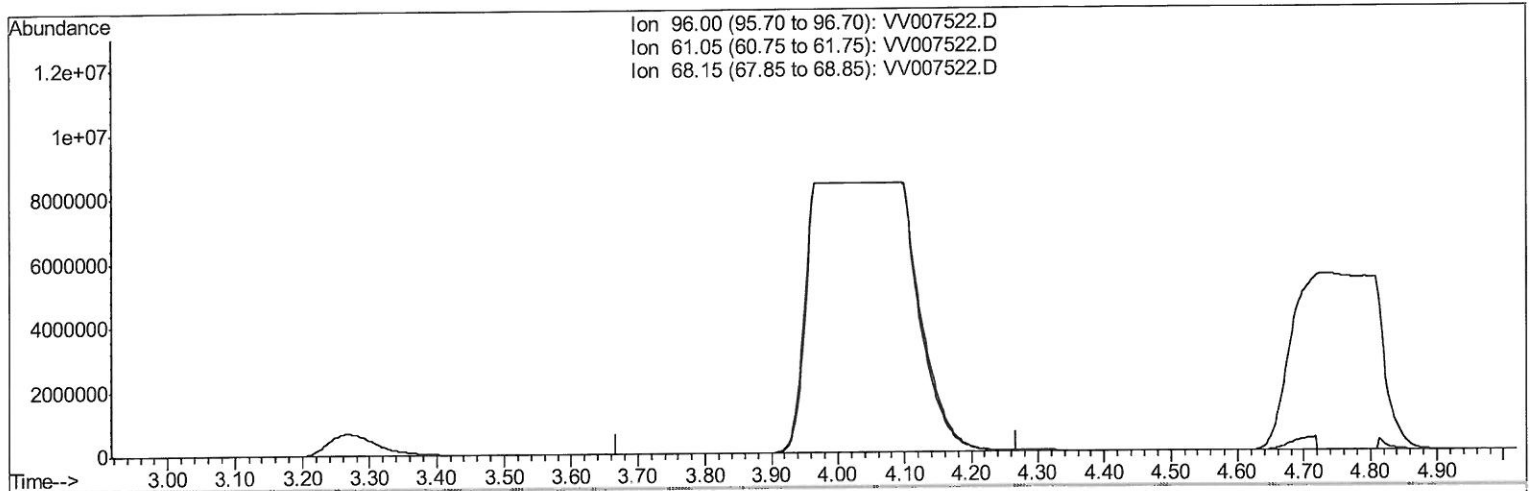
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 ALS Vial : 13 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 C0D07

Manual Integrations
 APPROVED

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 Response via : Initial Calibration



(22) cis-1,2-Dichloroethene (T)

3.968min (-3.968) 0.00ug/L

response 0

Ion	Exp%	Act%
96.00	100	0.00
61.05	121.90	0.00#
68.15	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

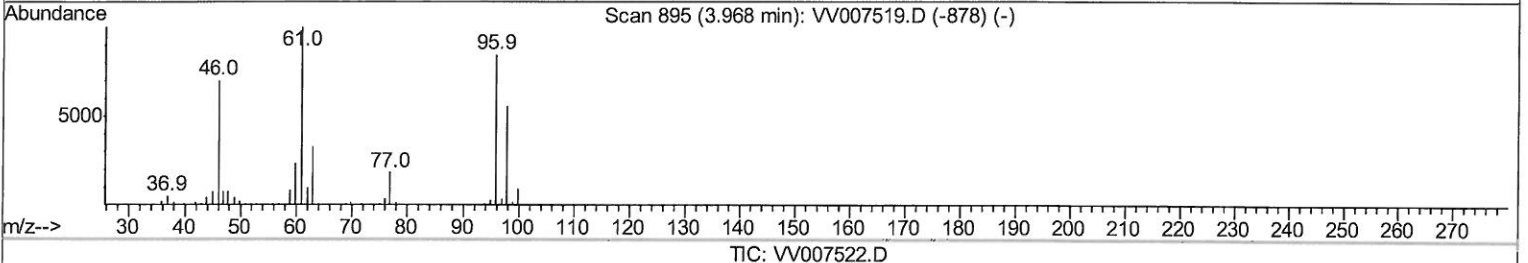
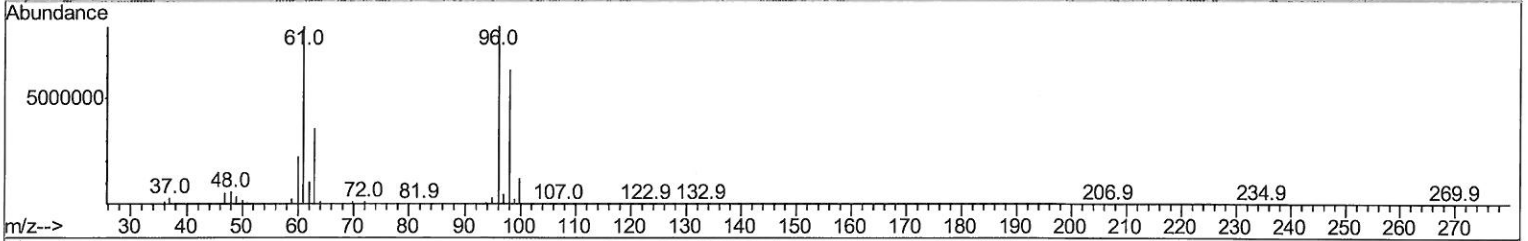
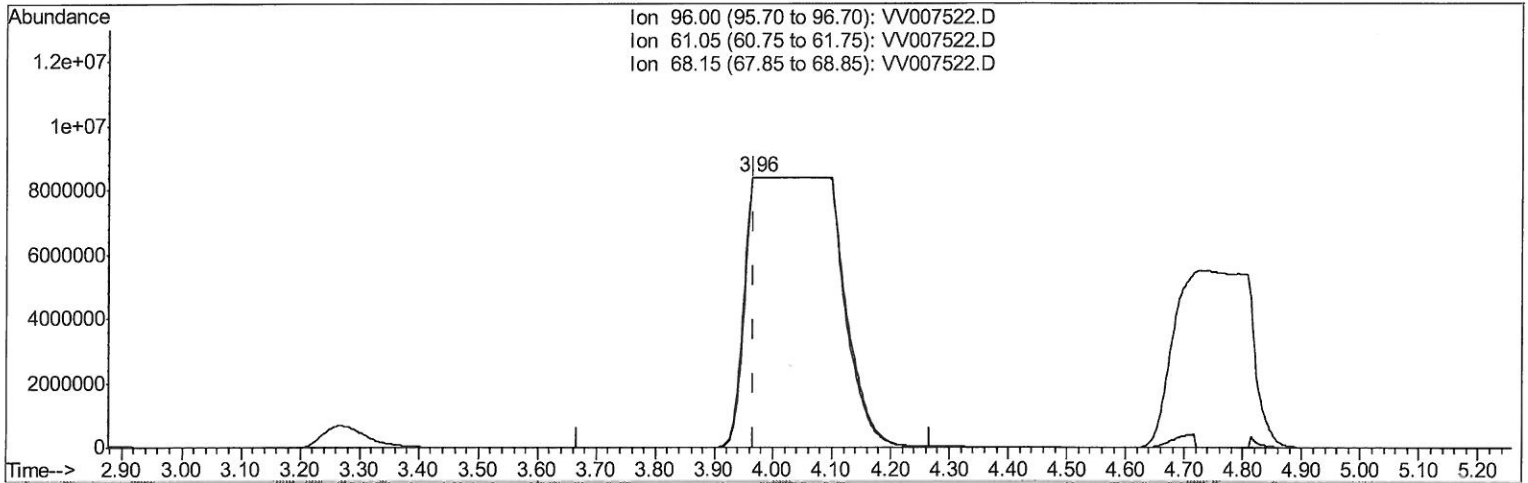
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 ClientSampleId :
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Manual Integrations
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TIC: VV007522.D

(22) cis-1,2-Dichloroethene (T)

3.965min (-0.003) 11424.37ug/L m

response 90886659

Ion	Exp%	Act%
96.00	100	100
61.05	121.90	100.00
68.15	0.00	0.00#
0.00	0.00	0.00

> MD
 09/18/18

Quantitation Report (Qedit)

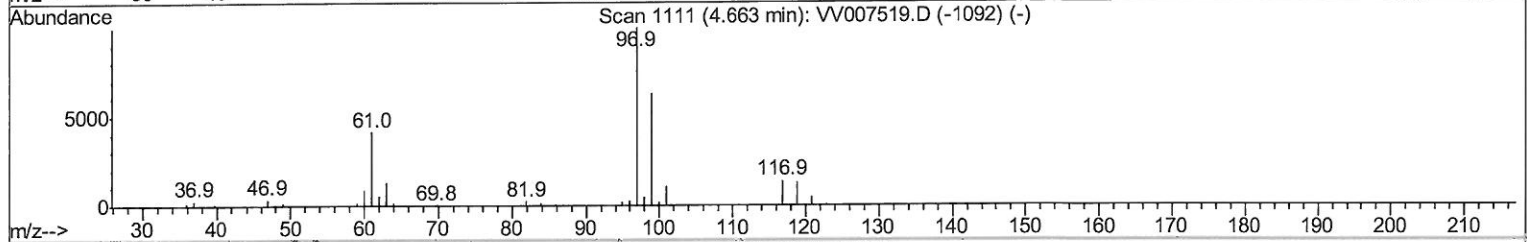
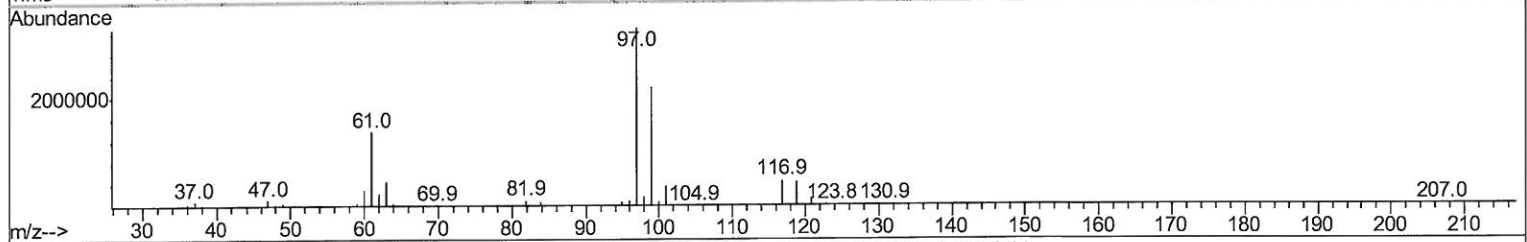
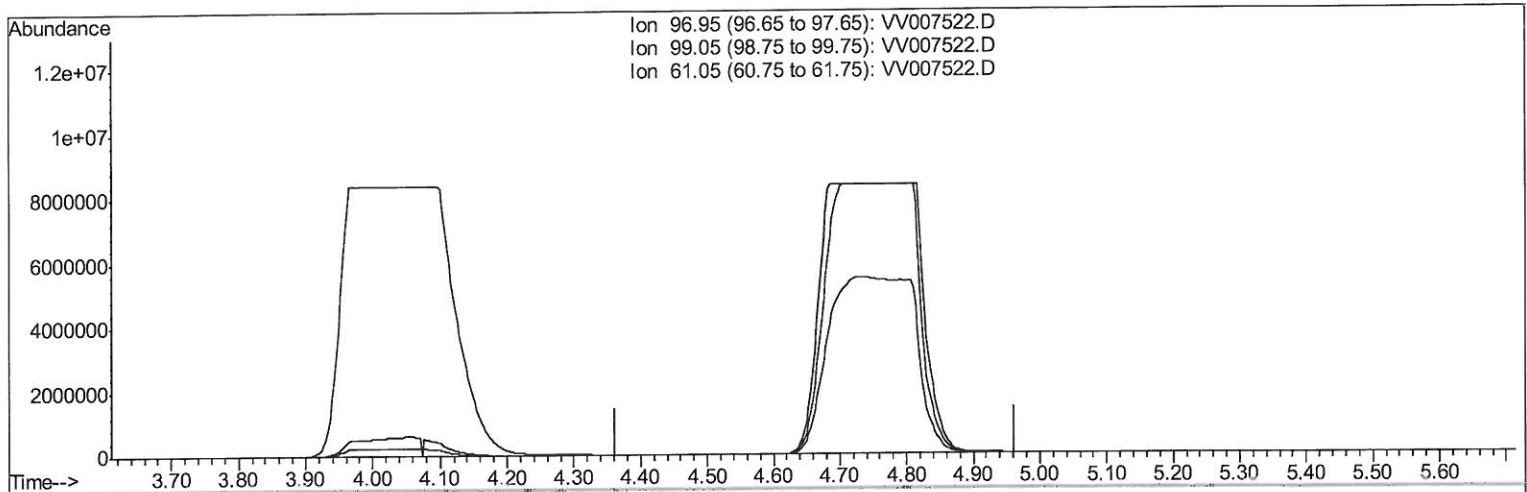
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Manual Integrations
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TIC: VV007522.D

(29) 1,1,1-Trichloroethane (T)

4.663min (-4.663) 0.00ug/L

response 0

Ion	Exp%	Act%
96.95	100	0.00
99.05	63.40	0.00#
61.05	40.60	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

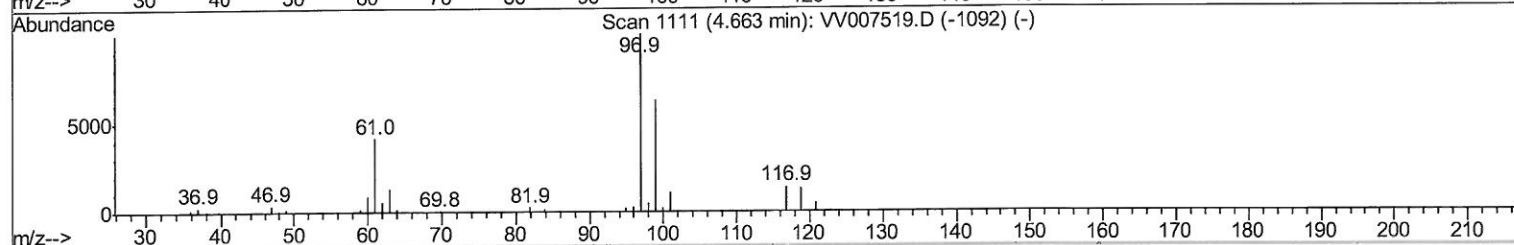
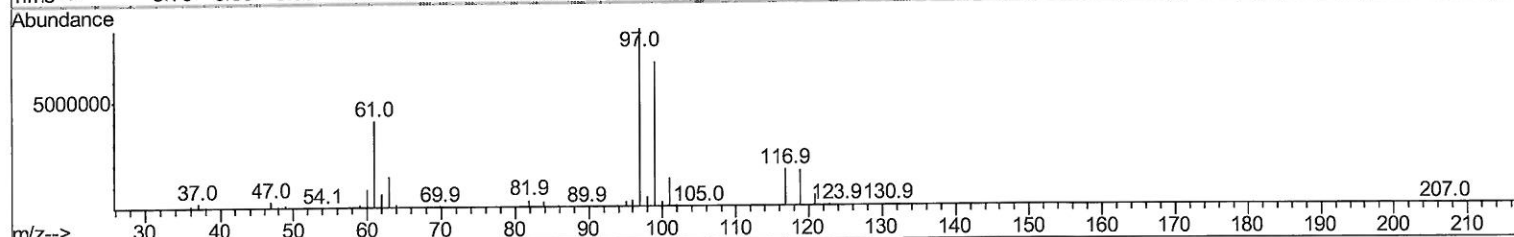
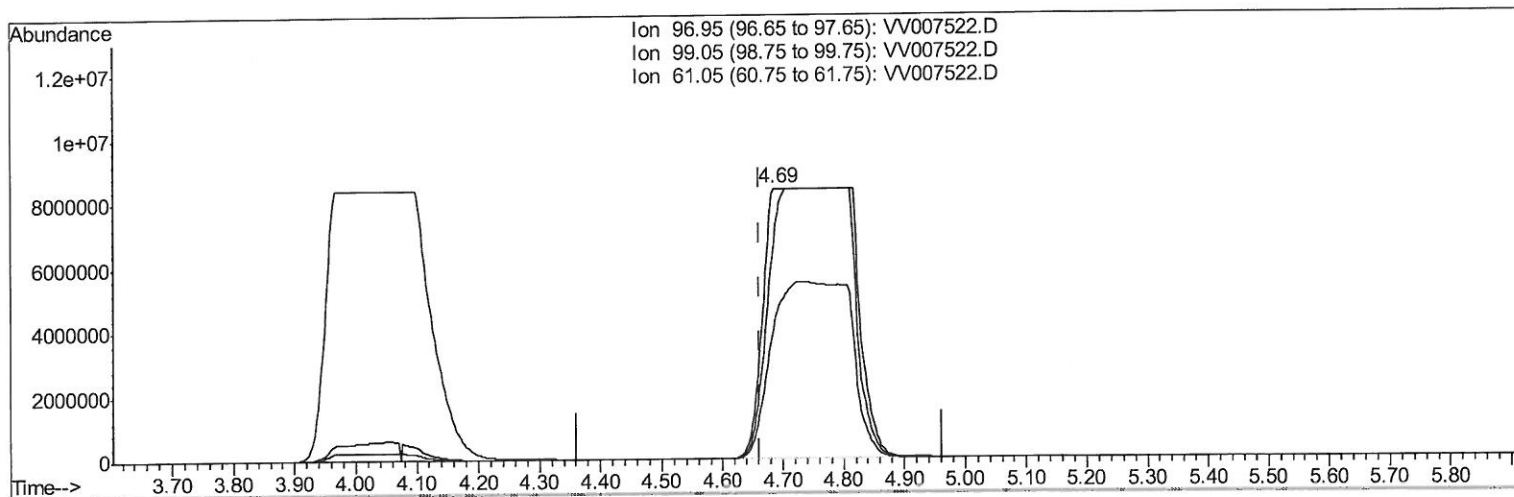
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 Data File : VV007522.D
 Acq On : 13 Sep 2018 21:04
 Operator : SY/MD
 Sample : J4864-01
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0D07

Manual Integrations
 APPROVED

MMDadoda
 9/17/2018 12:29:15 PM

Quant Time: Sep 14 05:45:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091318WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Sep 14 05:10:24 2018
 Response via : Initial Calibration



TIC: VV007522.D

(29) 1,1,1-Trichloroethane (T)

4.685min (+0.022) 6177.97ug/L m

response 84590077

Ion	Exp%	Act%
96.95	100	100
99.05	63.40	0.00#
61.05	40.60	0.00#
0.00	0.00	0.00

7m0
 09/18/18

Quantitation Report (Qedit)

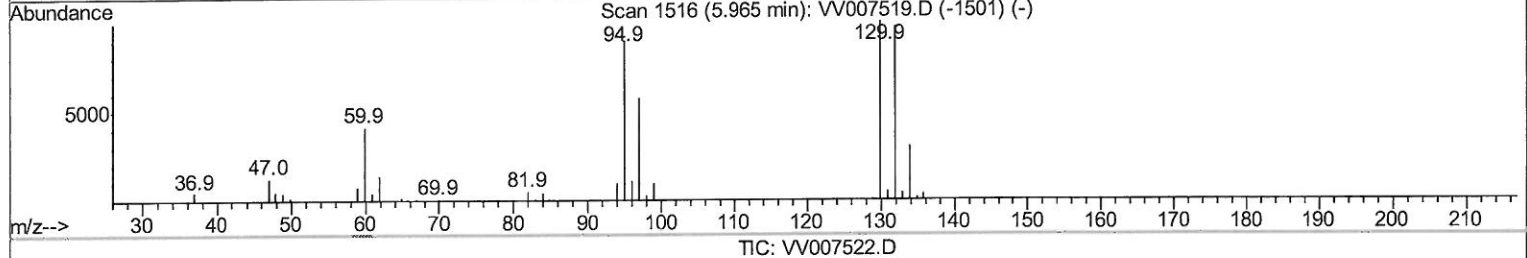
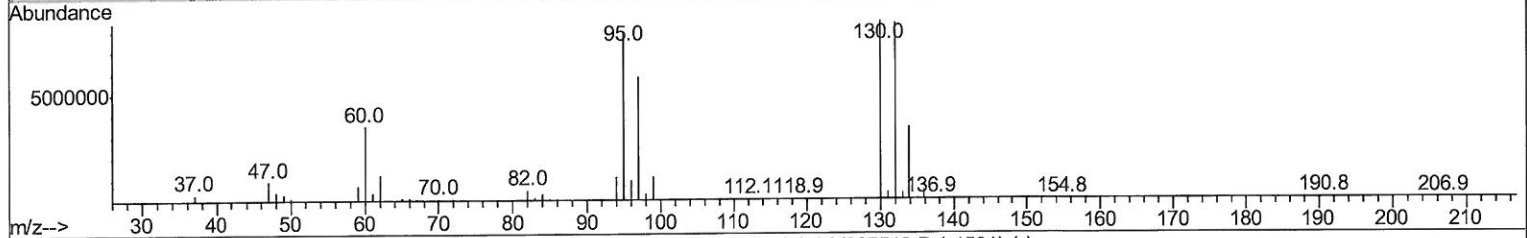
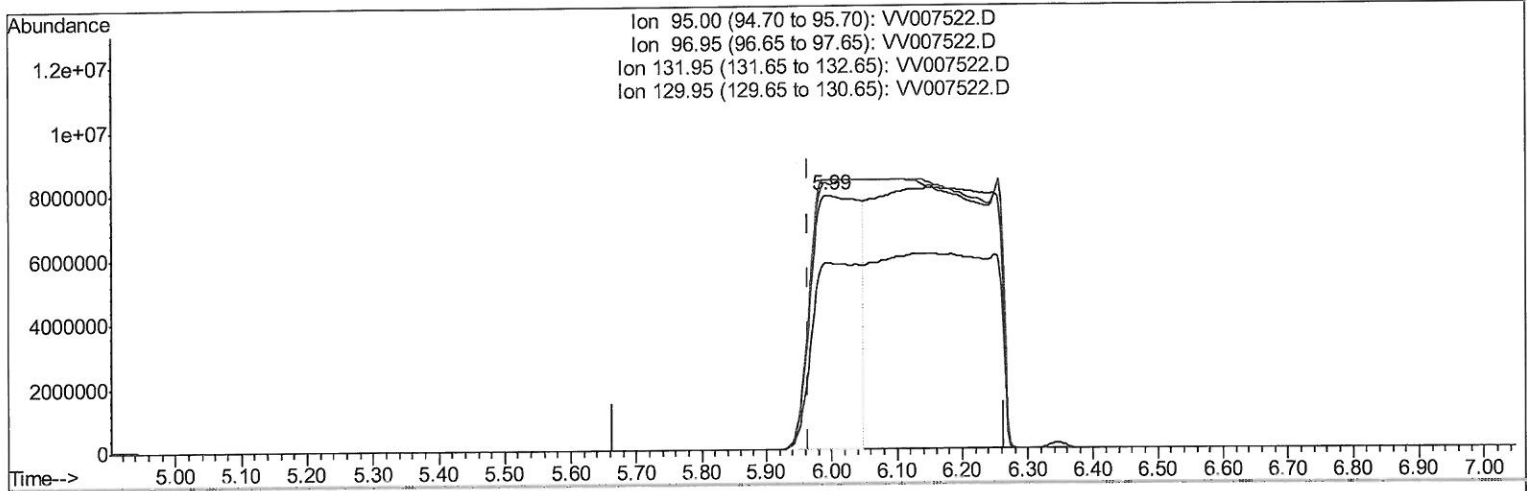
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Manual Integrations
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 Response via : Initial Calibration



TIC: VV007522.D

(34) Trichloroethene (T)
 5.994min (+0.029) 4526.87ug/L
 response 40363527

Ion	Exp%	Act%
95.00	100	100
96.95	65.00	73.43
131.95	107.00	104.65
129.95	114.30	106.07

Quantitation Report (Qedit)

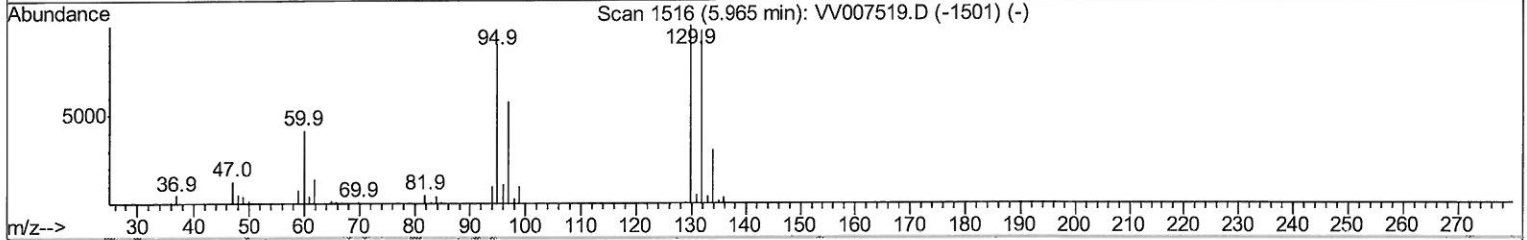
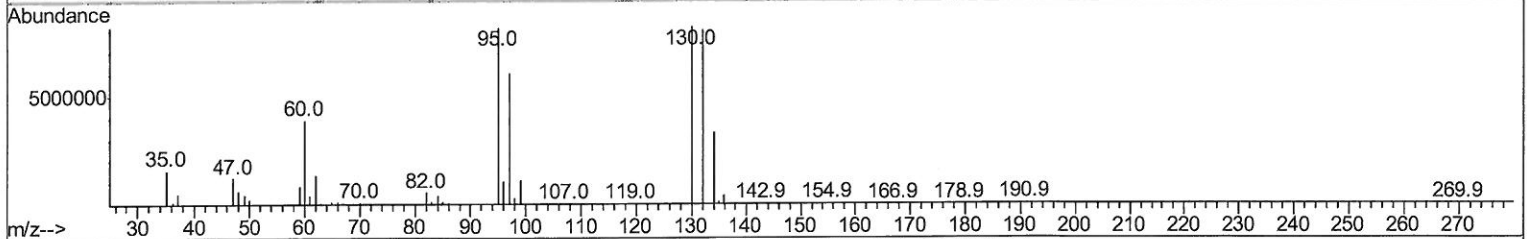
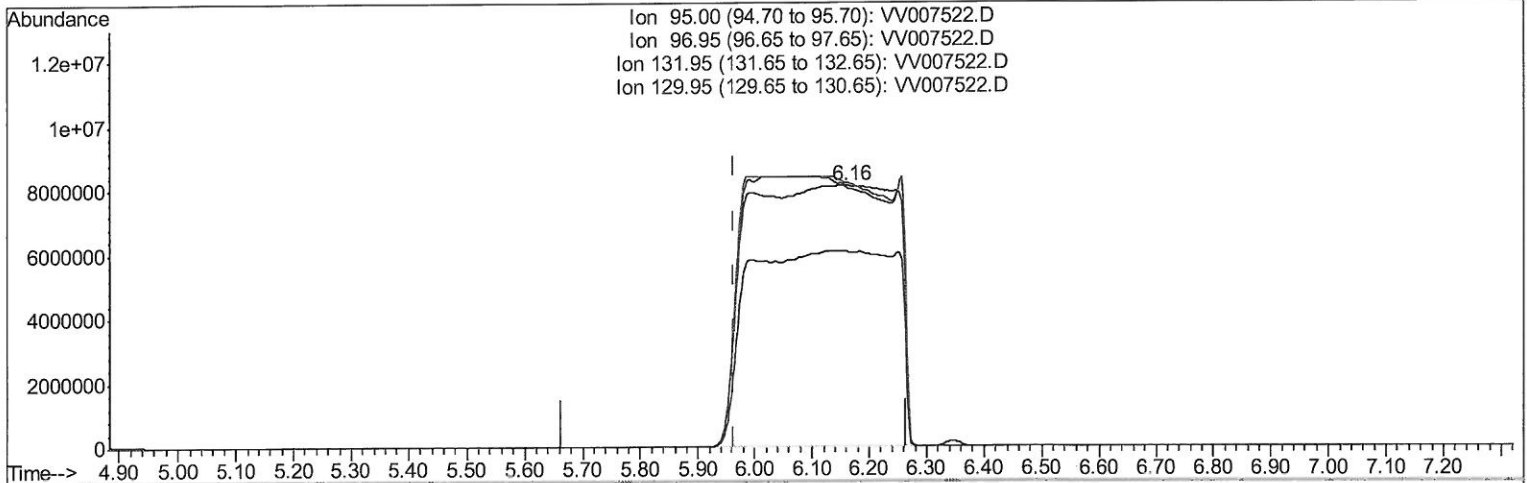
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Manual Integrations
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 Response via : Initial Calibration



TIC: VV007522.D

(34) Trichloroethene (T)

6.161min (+0.196) 16080.58ug/L m

response 143381282

Handwritten: 7 mg / 09/18/18

Ion	Exp%	Act%
95.00	100	100
96.95	65.00	74.55
131.95	107.00	99.16
129.95	114.30	101.01

Quantitation Report (Qedit)

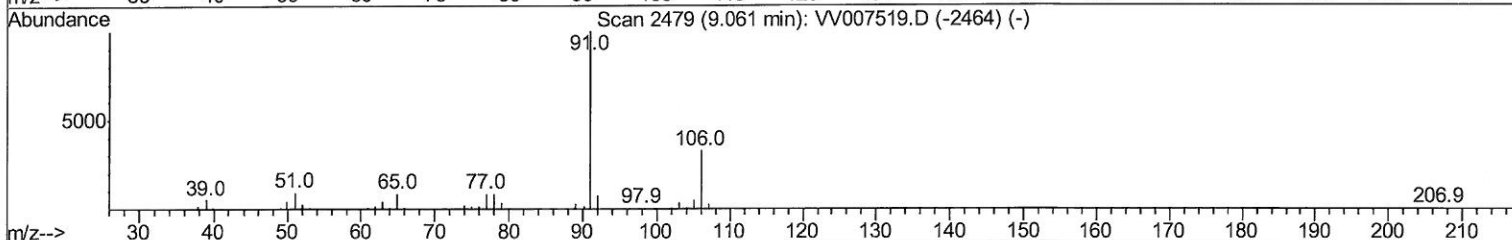
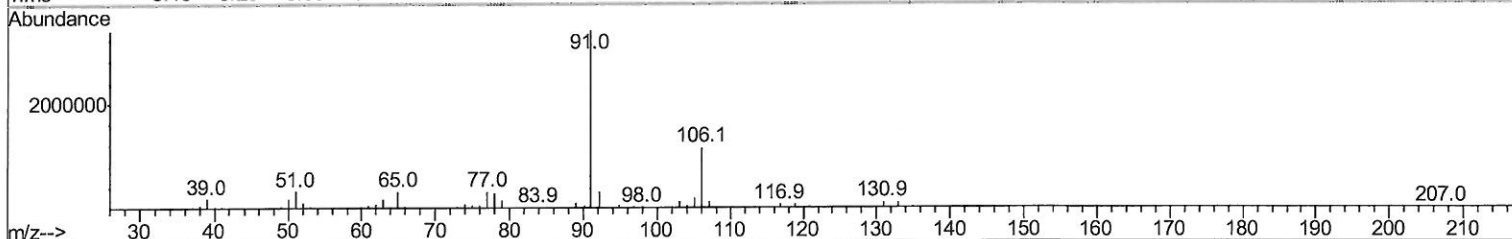
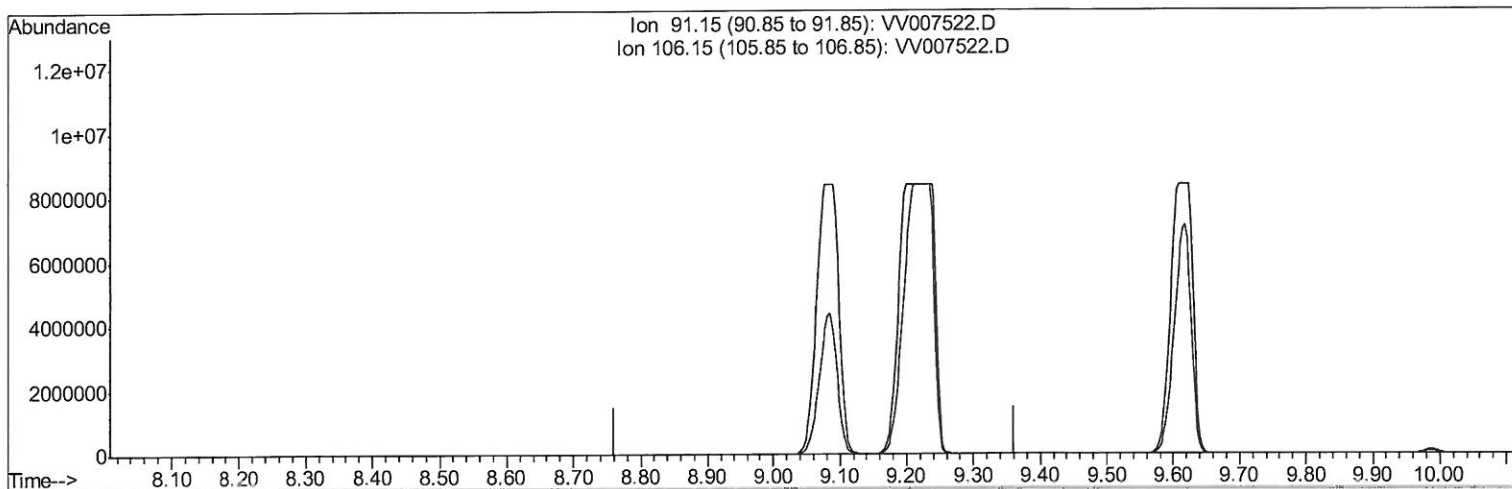
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091318\
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Instrument :
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Manual Integrations
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TIC: VV007522.D

(52) Ethylbenzene (T)

9.061min (-9.061) 0.00ug/L

response 0

Ion	Exp%	Act%
91.15	100	0.00
106.15	31.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

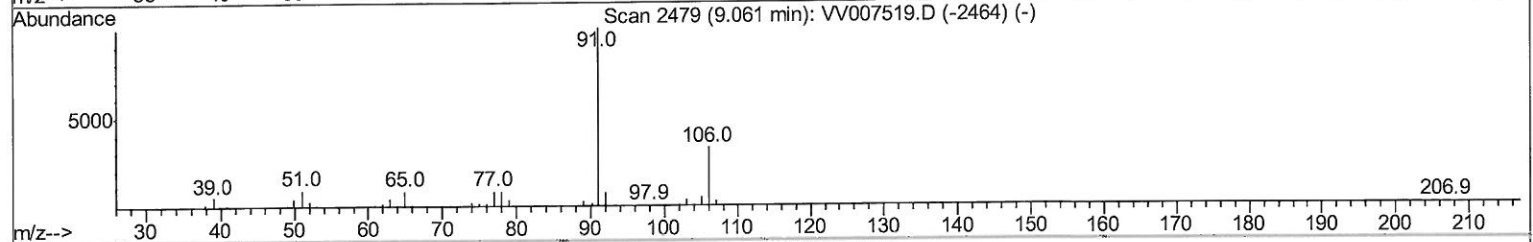
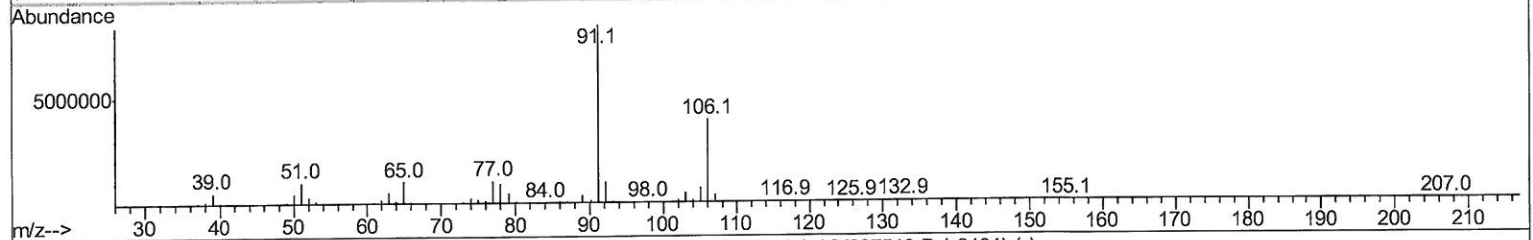
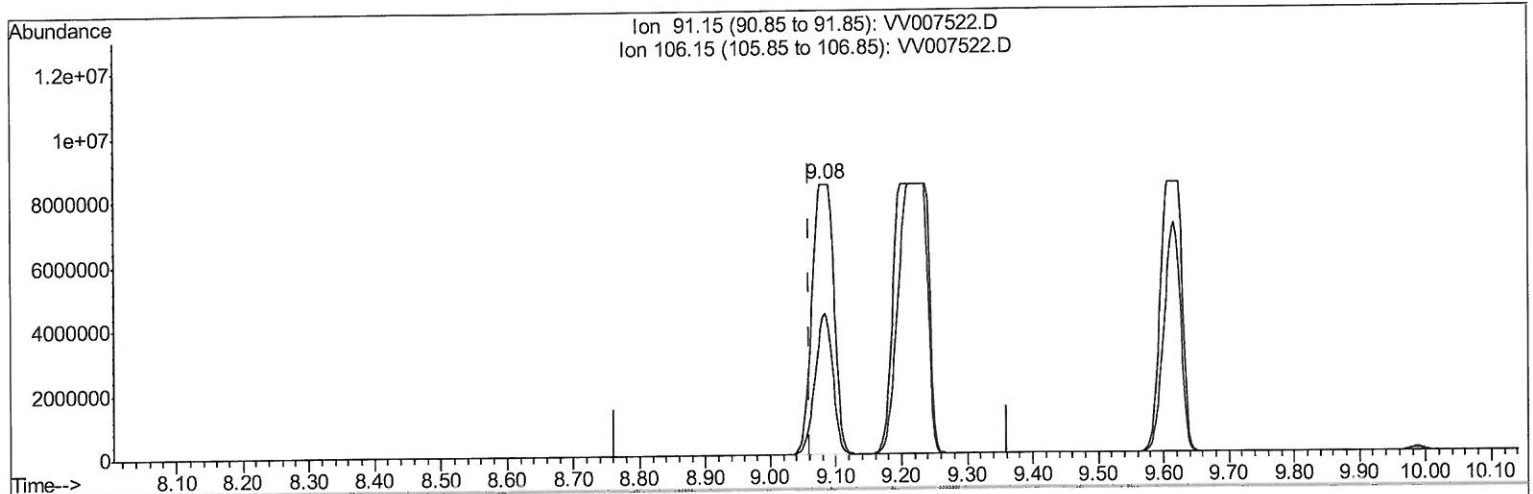
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 Response via : Initial Calibration



TIC: VV007522.D

(52) Ethylbenzene (T)

9.077min (+0.016) 513.58ug/L m

response 19429906

Ion	Exp%	Act%
91.15	100	100
106.15	31.50	46.57#
0.00	0.00	0.00
0.00	0.00	0.00

7 MD
 29/11/18

Quantitation Report (Qedit)

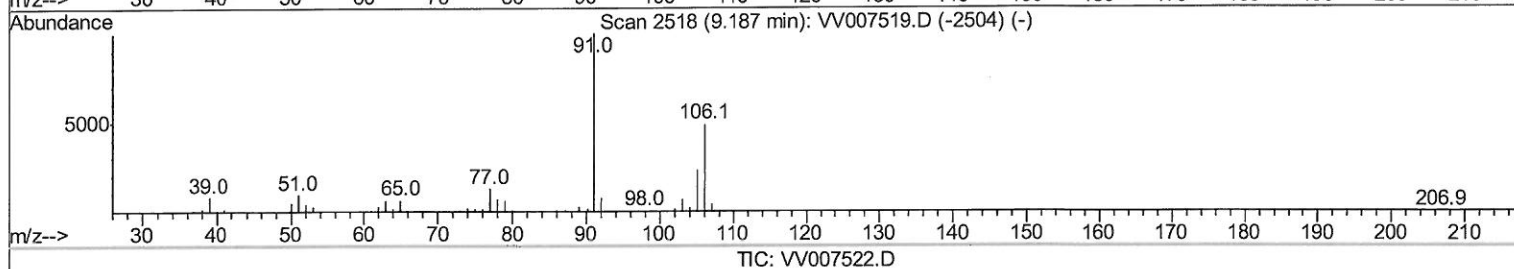
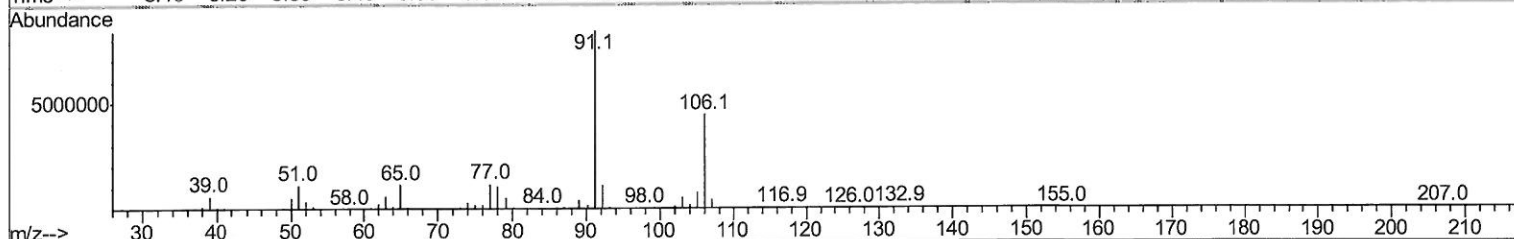
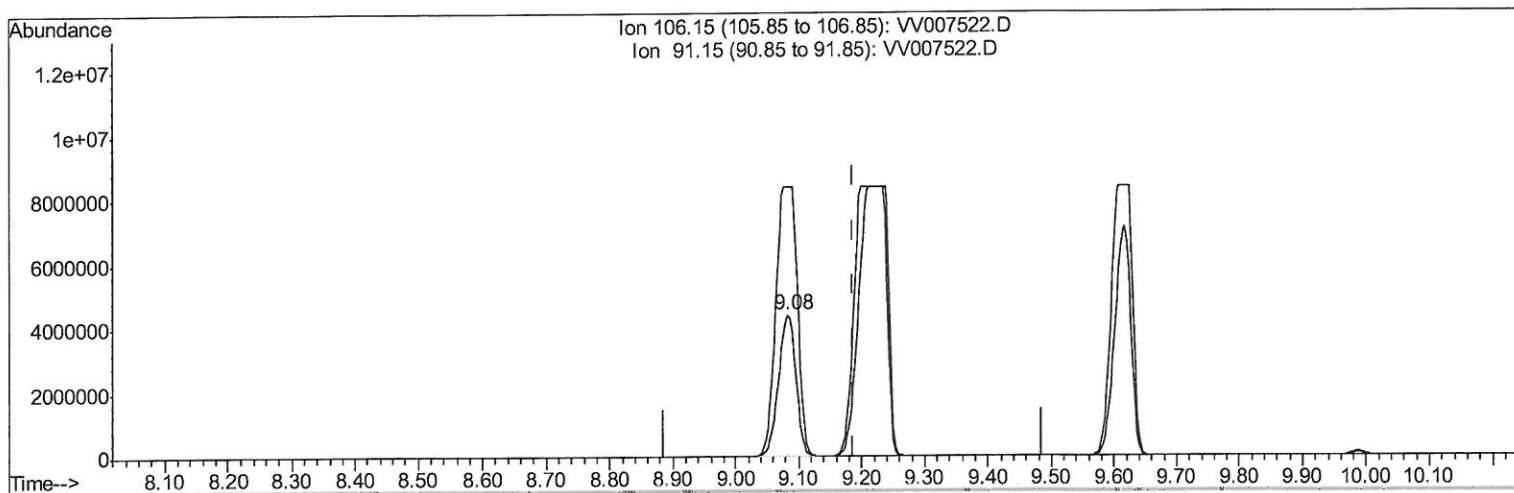
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Manual Integrations
APPROVED

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Response via : Initial Calibration



(53) m,p-xylene (T)

9.084min (-0.103) 563.44ug/L

response 8258597

Ion	Exp%	Act%
106.15	100	100
91.15	196.00	190.48
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

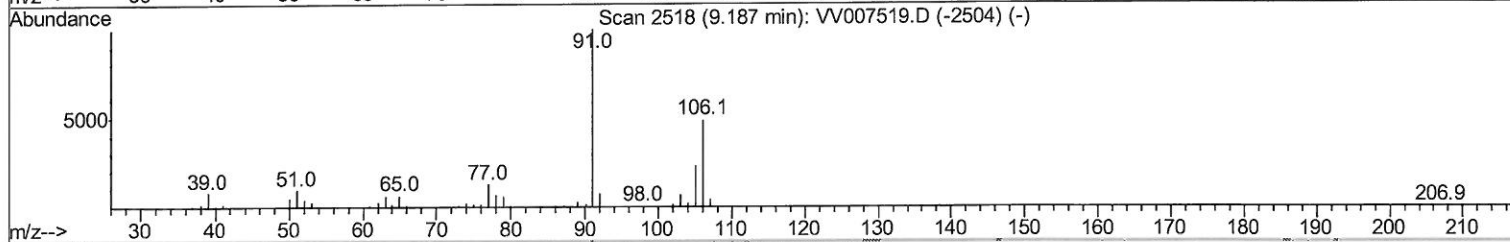
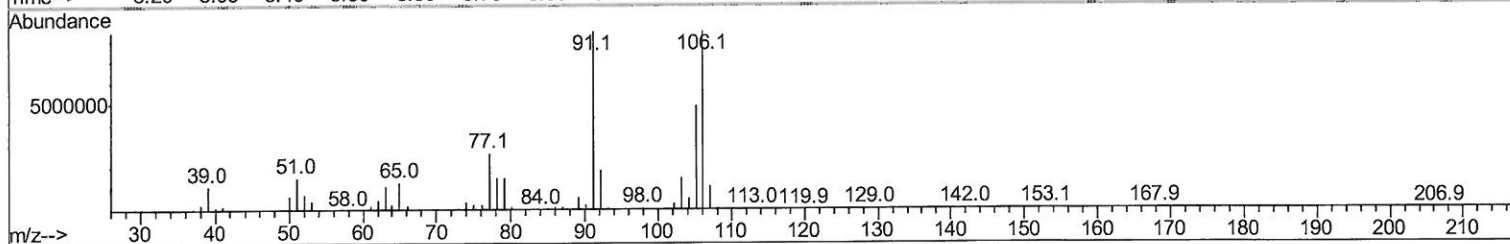
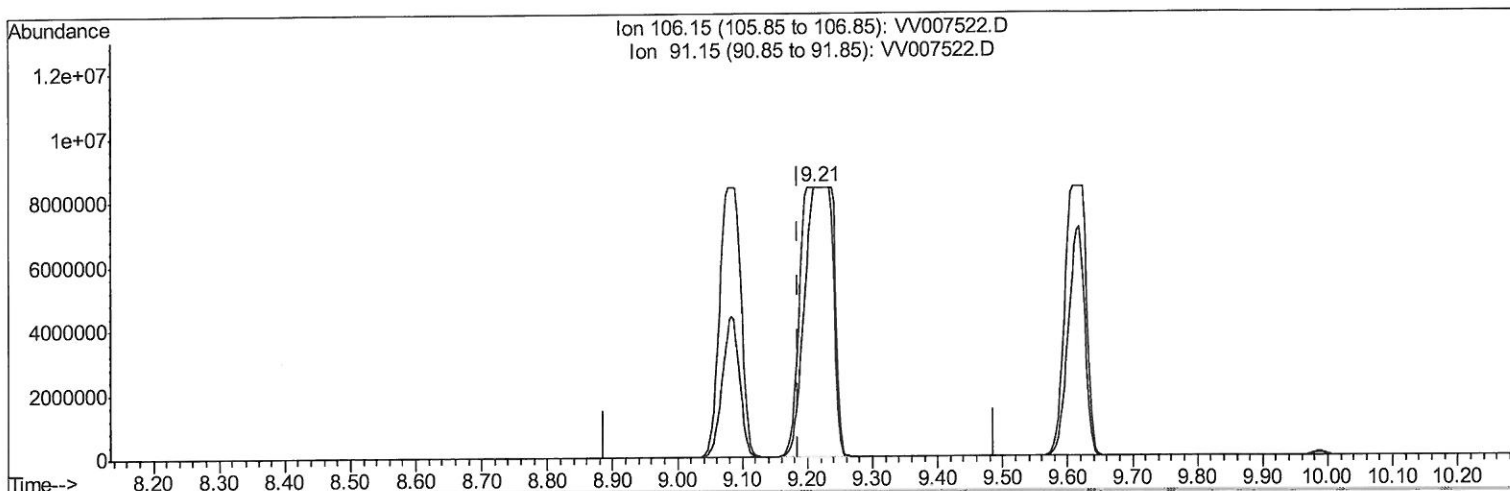
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091318\
Data File : VV007522.D
Acq On : 13 Sep 2018 21:04
Operator : SY/MD
Sample : J4864-01
Misc : 25.0 mL/MSVOA V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0D07

Manual Integrations
APPROVED

MMDadoda
9/17/2018 12:29:15 PM

Quant Time: Sep 14 05:45:30 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091318WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Sep 14 05:10:24 2018
Response via : Initial Calibration



TIC: VV007522.D

(53) m,p-xylene (T)

9.212min (+0.026) 1733.25ug/L m

response 25404883

Ion	Exp%	Act%
106.15	100	100
91.15	196.00	100.00#
0.00	0.00	0.00
0.00	0.00	0.00

> MD
09/18/18

Quantitation Report (Qedit)

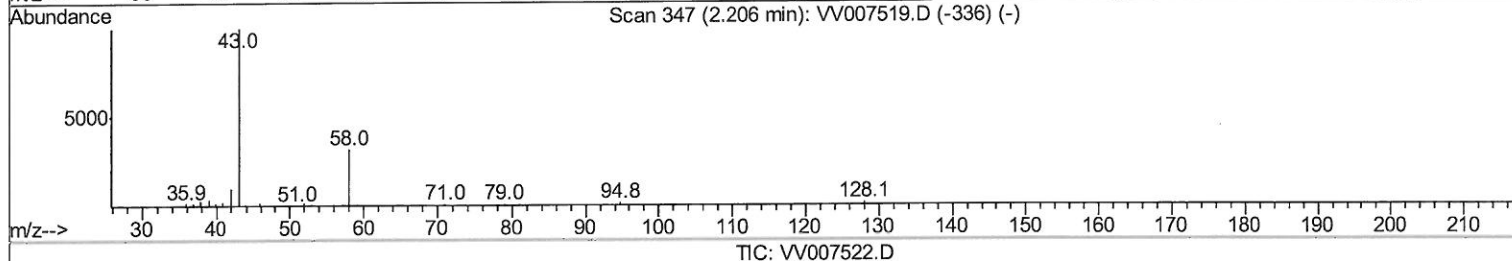
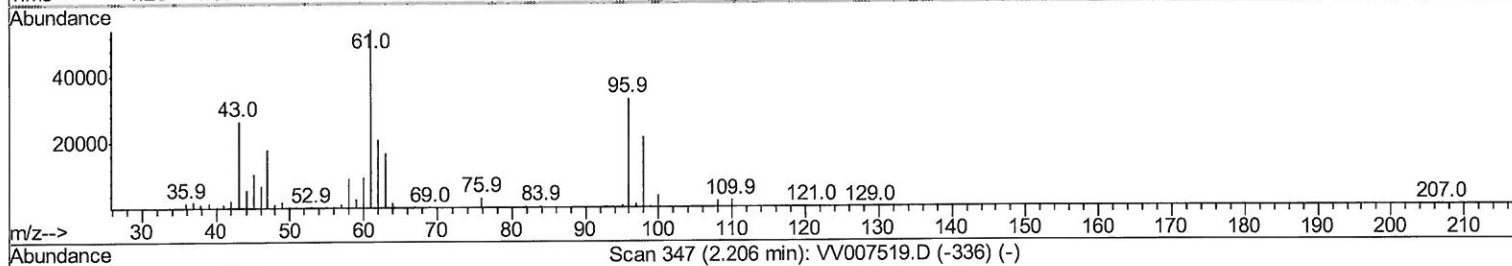
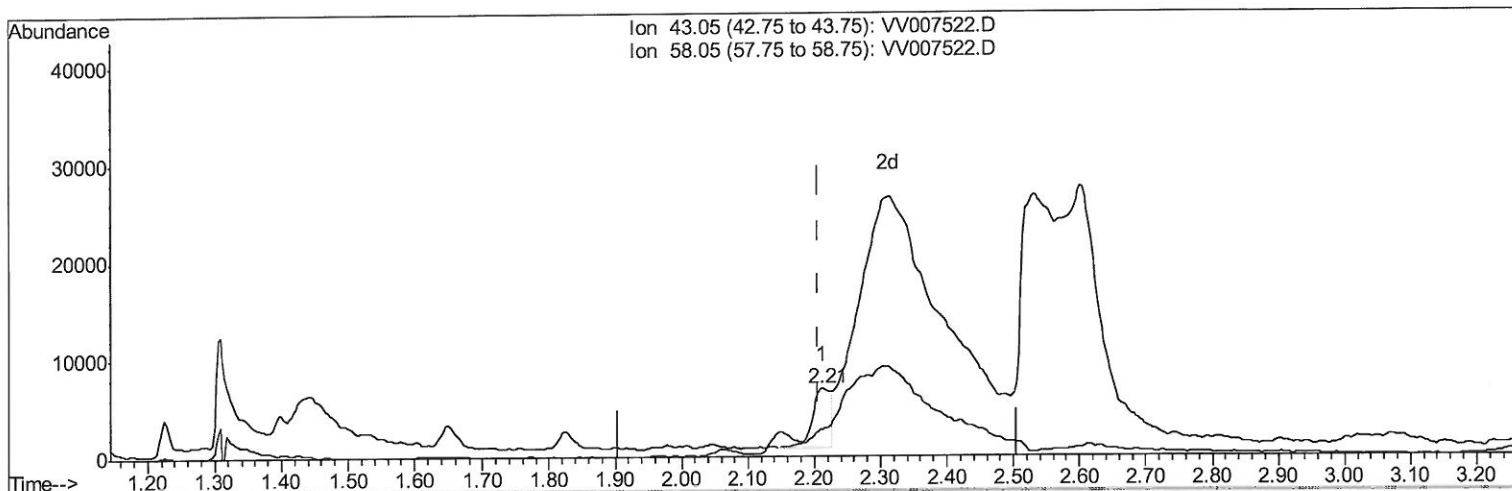
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091318\
 Data File : VV007522.D
 Acq On : 13 Sep 2018 21:04
 Operator : SY/MD
 Sample : J4864-01
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0D07

Manual Integrations
 APPROVED

MMDadoda
 9/17/2018 12:29:15 PM

Quant Time: Sep 14 05:53:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091318WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Sep 14 05:10:24 2018
 Response via : Initial Calibration



(13) Acetone (T)

2.212min (+0.006) 16.47ug/L

response 11458

Ion	Exp%	Act%
43.05	100	100
58.05	31.70	50.27
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

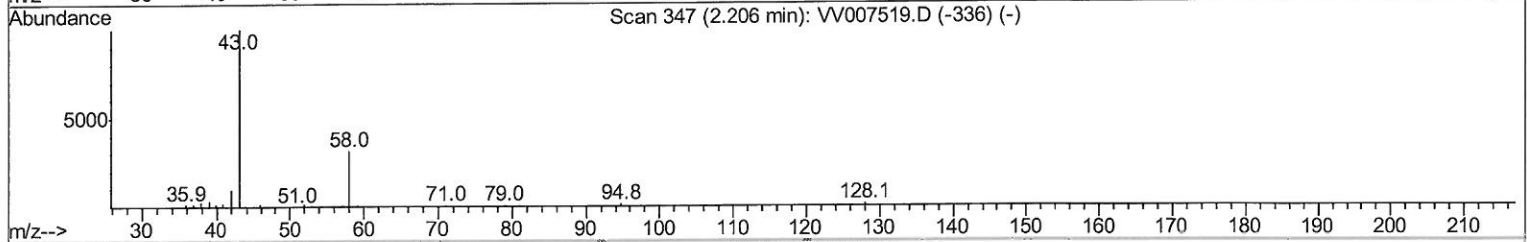
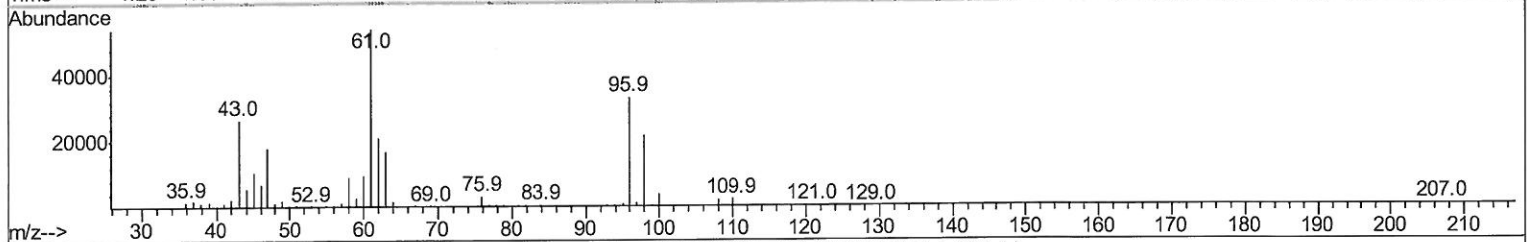
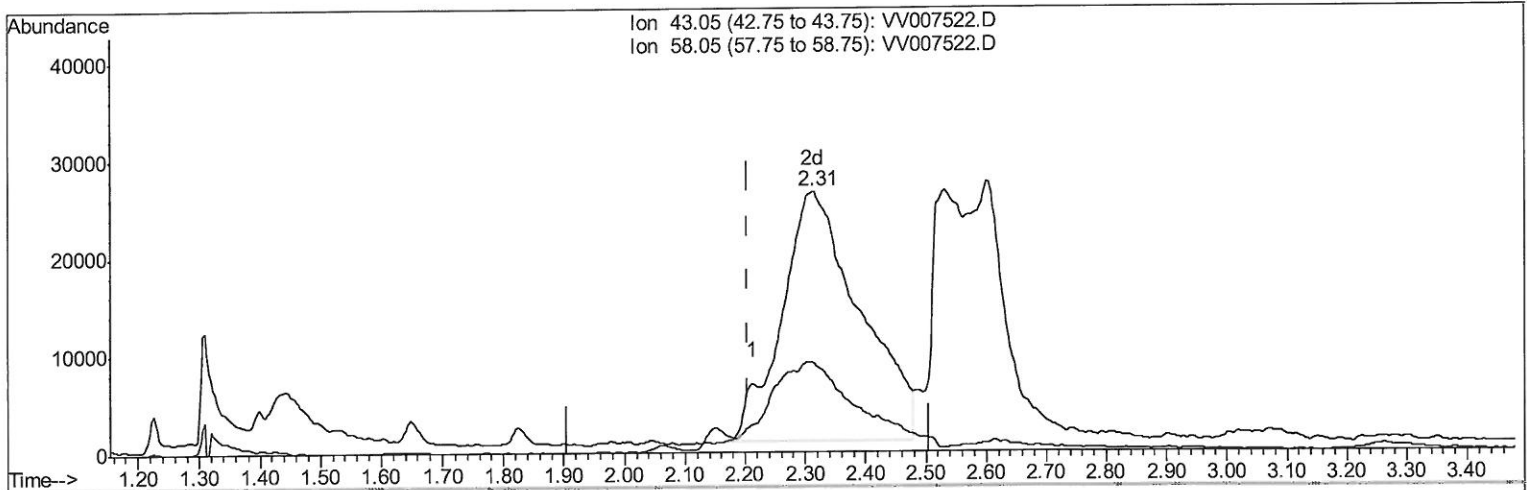
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091318\
 Data File : VV007522.D
 Acq On : 13 Sep 2018 21:04
 Operator : SY/MD
 Sample : J4864-01
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0D07

Manual Integrations
 APPROVED

MMDadoda
 9/17/2018 12:29:15 PM

Quant Time: Sep 14 05:53:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091318WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Sep 14 05:10:24 2018
 Response via : Initial Calibration



TIC: VV007522.D

(13) Acetone (T)

2.312min (+0.106) 330.17ug/L m

response 229662

Ion	Exp%	Act%
43.05	100	100
58.05	31.70	2.51
0.00	0.00	0.00
0.00	0.00	0.00

7 MD
 09/18/18

Quantitation Report (Qedit)

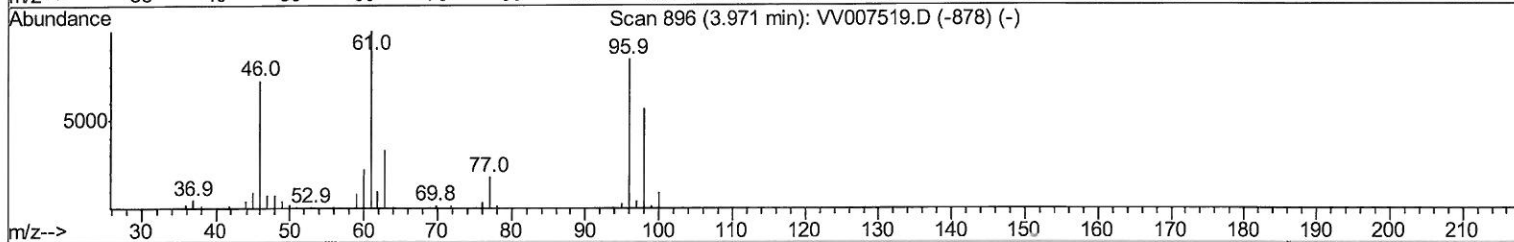
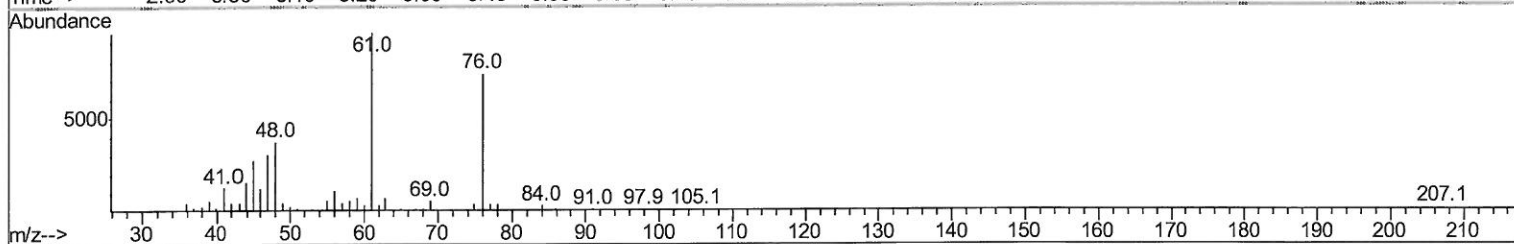
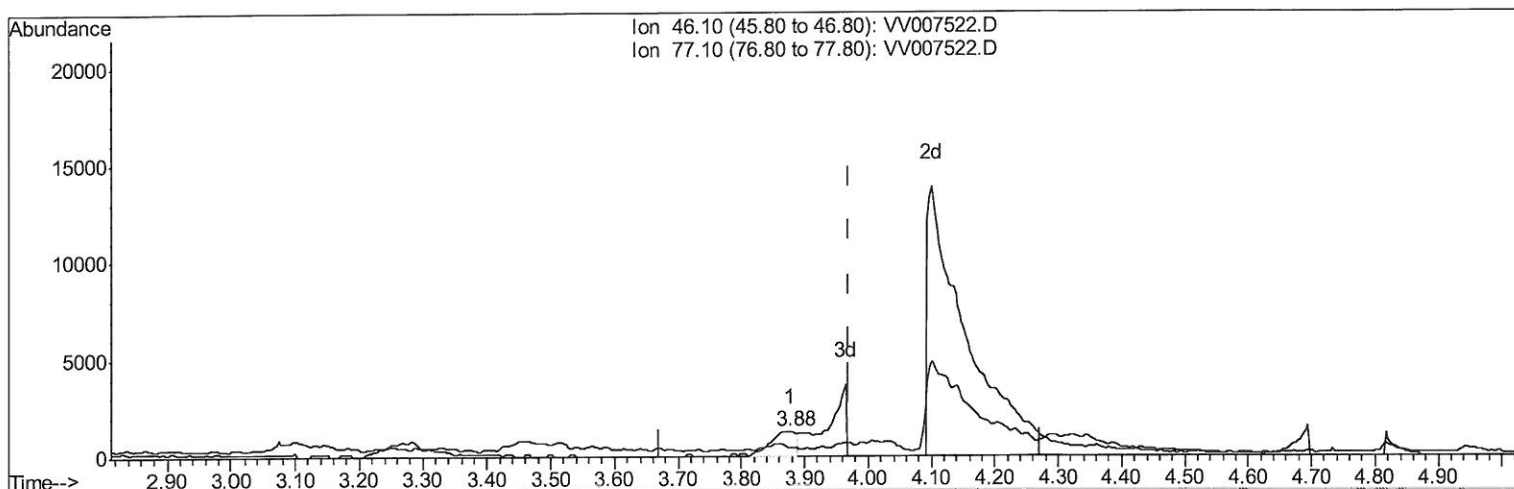
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091318\
Data File : VV007522.D
Acq On : 13 Sep 2018 21:04
Operator : SY/MD
Sample : J4864-01
Misc : 25.0 mL/MSVOA V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0D07

Manual Integrations
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MMDadoda
9/17/2018 12:29:15 PM

Quant Time: Sep 14 05:53:54 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091318WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Sep 14 05:10:24 2018
Response via : Initial Calibration



TIC: VV007522.D

(20) 2-Butanone-d5 (S)

3.878min (-0.093) 3.39ug/L

response 3611

Ion	Exp%	Act%
46.10	100	100
77.10	22.10	19.58
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

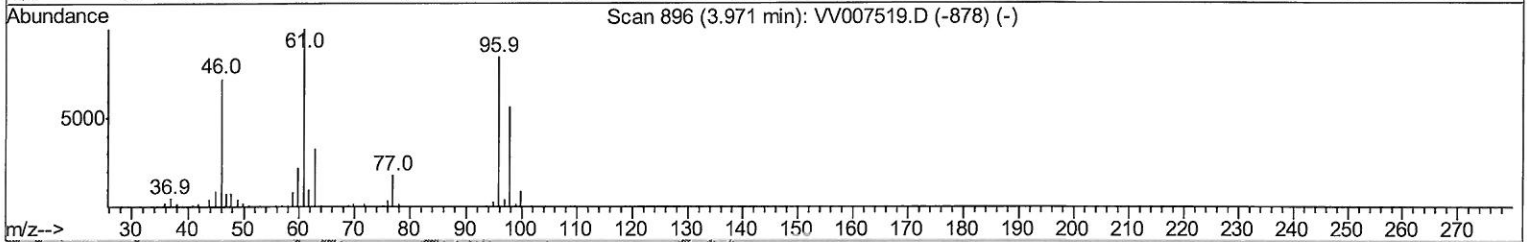
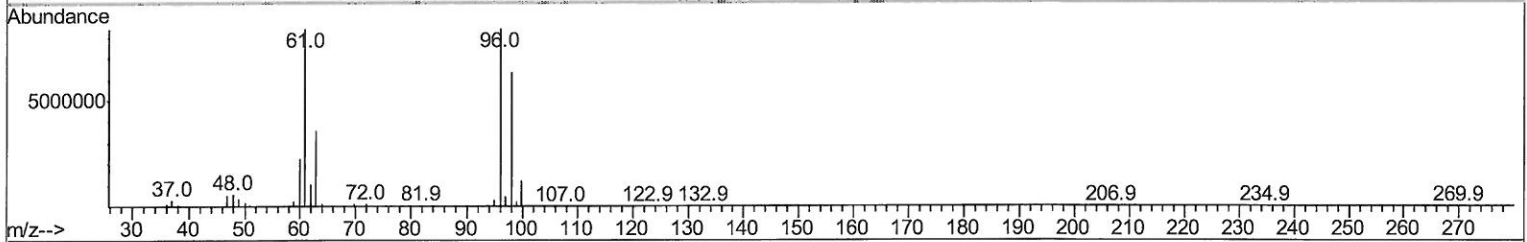
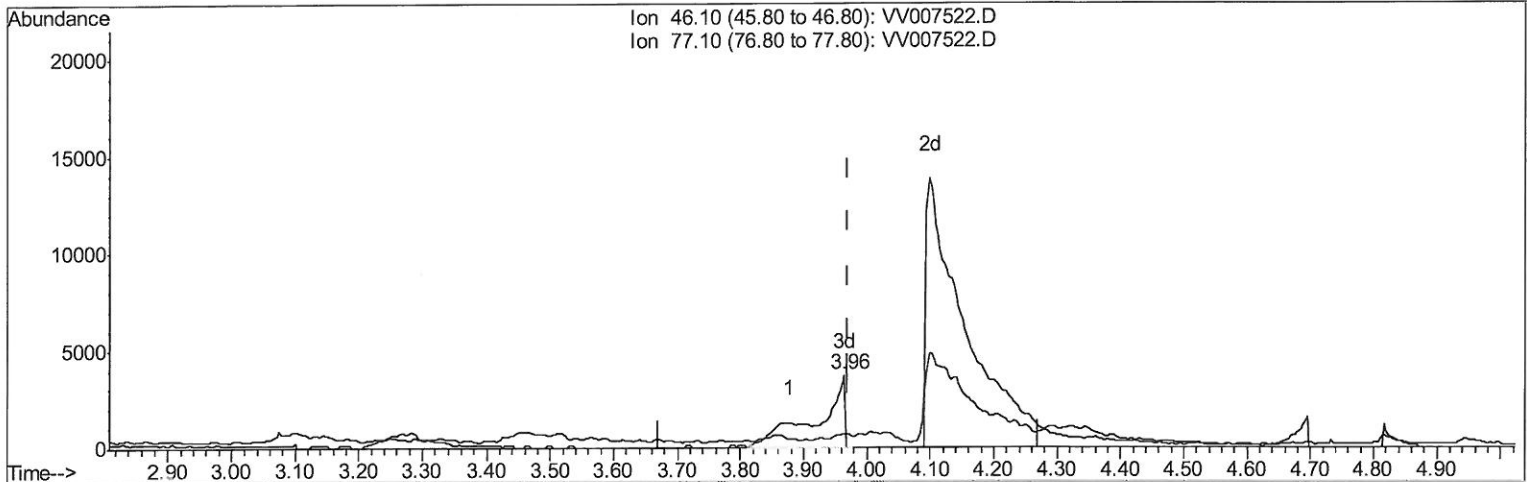
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091318\
 Data File : VV007522.D
 Acq On : 13 Sep 2018 21:04
 Operator : SY/MD
 Sample : J4864-01
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampled :
 C0D07

Manual Integrations
 APPROVED

MMDadoda
 9/17/2018 12:29:15 PM

Quant Time: Sep 14 05:53:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091318WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Sep 14 05:10:24 2018
 Response via : Initial Calibration



TIC: VV007522.D

(20) 2-Butanone-d5 (S)

3.965min (-0.006) 10.60ug/L m

response 11285

Ion	Exp%	Act%
46.10	100	100
77.10	22.10	6.26#
0.00	0.00	0.00
0.00	0.00	0.00

Handwritten: 7 mg / 09/15/18

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV091318\
Data File : VV007522.D
Acq On : 13 Sep 2018 21:04
Operator : SY/MD
Sample : J4864-01
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0D07

Manual Integrations
APPROVED

MMDadoda
9/17/2018 12:29:15 PM

Quant Time: Sep 14 05:56:16 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091318WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Sep 14 05:10:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.69	114	146176m	5.00	ug/L	0.02
28) Chlorobenzene-d5	8.92	117	140788	5.00	ug/L	0.02
60) 1,4-Dichlorobenzene-d4	11.30	152	88813	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	306214	40.11	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	802.20%#
7) Chloroethane-d5	1.59	69	23093	3.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	72.20%
11) 1,1-Dichloroethene-d2	2.15	63	11743529	739.02	ug/L	0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	14780.40%#
20) 2-Butanone-d5	3.96	46	11285m	10.60	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	21.20%#
24) Chloroform-d	4.45	84	81825	5.22	ug/L	0.04
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.40%
26) 1,2-Dichloroethane-d4	5.14	65	31040	4.04	ug/L	0.05
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.80%
32) Benzene-d6	5.16	84	129136	4.04	ug/L	0.06
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.80%
36) 1,2-Dichloropropane-d6	6.30	67	31733	3.33	ug/L	0.17
Spiked Amount	5.000	Range	60 - 140	Recovery	=	66.60%
41) Toluene-d8	7.39	98	135627	4.08	ug/L	0.03
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.60%
43) trans-1,3-Dichloropropene-	7.69	79	18823	4.28	ug/L	0.02
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.60%
46) 2-Hexanone-d5	8.16	63	57920	82.36	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	164.72%#
57) 1,1,2,2-Tetrachloroethane-	10.27	84	34651	5.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.20%
64) 1,2-Dichlorobenzene-d4	11.68	152	66303	4.08	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	81.60%

Target Compounds

					Qvalue
3) Chloromethane	1.25	50	8352	1.214	ug/L 98
5) Vinyl chloride	1.31	62	26065791m	3394.514	ug/L 98
8) Chloroethane	1.60	64	2764425	590.696	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.15	101	66298	8.022	ug/L # 23
12) 1,1-Dichloroethene	2.15	96	24808488	3343.864	ug/L # 53
13) Acetone	2.31	43	229662m	330.171	ug/L 97
14) Carbon disulfide	2.33	76	18394	0.847	ug/L 97
16) Methylene chloride	2.52	84	59248040	7388.152	ug/L 85
18) trans-1,2-Dichloroethene	2.82	96	434820	53.871	ug/L 99
19) 1,1-Dichloroethane	3.27	63	38725151	3290.765	ug/L 89
22) cis-1,2-Dichloroethene	3.96	96	90886659m	11424.374	ug/L 95
23) Bromochloromethane	4.37	128	34961	10.025	ug/L 99
25) Chloroform	4.47	83	430586	32.019	ug/L 100
27) 1,2-Dichloroethane	5.24	62	816114	105.412	ug/L 100
29) 1,1,1-Trichloroethane	4.69	97	84590077m	6177.970	ug/L 100
33) Benzene	5.21	78	231483	7.962	ug/L 99
34) Trichloroethene	6.16	95	143381282m	16080.576	ug/L 99
40) 4-Methyl-2-pentanone	7.32	43	201583	50.964	ug/L 99

42) Toluene	7.47	91	8283632	246.639	ug/L	96
45) 1,1,2-Trichloroethane	7.91	97	1123462	210.003	ug/L	98
47) Tetrachloroethene	8.05	164	216693	27.065	ug/L	98
48) 2-Hexanone	8.22	43	17547	5.843	ug	
51) Chlorobenzene	8.95	112	5527	0.245	ug	
52) Ethylbenzene	9.08	91	19429906m	513.577	ug	
53) m,p-xylene	9.21	106	25404883m	1733.250	ug	
54) o-xylene	9.62	106	12711628	885.591	ug	
56) Isopropylbenzene	9.99	105	1965316	50.427	ug	
58) 1,1,2,2-Tetrachloroethane	10.30	83	21100	4.027	ug	
62) 1,3-Dichlorobenzene	11.23	146	5239	0.233	ug	
63) 1,4-Dichlorobenzene	11.32	146	6097	0.272	ug	
65) 1,2-Dichlorobenzene	11.70	146	2543	0.122	ug	
68) 1,2,4-trichlorobenzene	13.31	180	6581	0.522	ug/L #	82

Instrument :

MSVOA_V

ClientSampleId :

C0D07

Manual Integrations

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9/17/2018 12:29:15 PM

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