

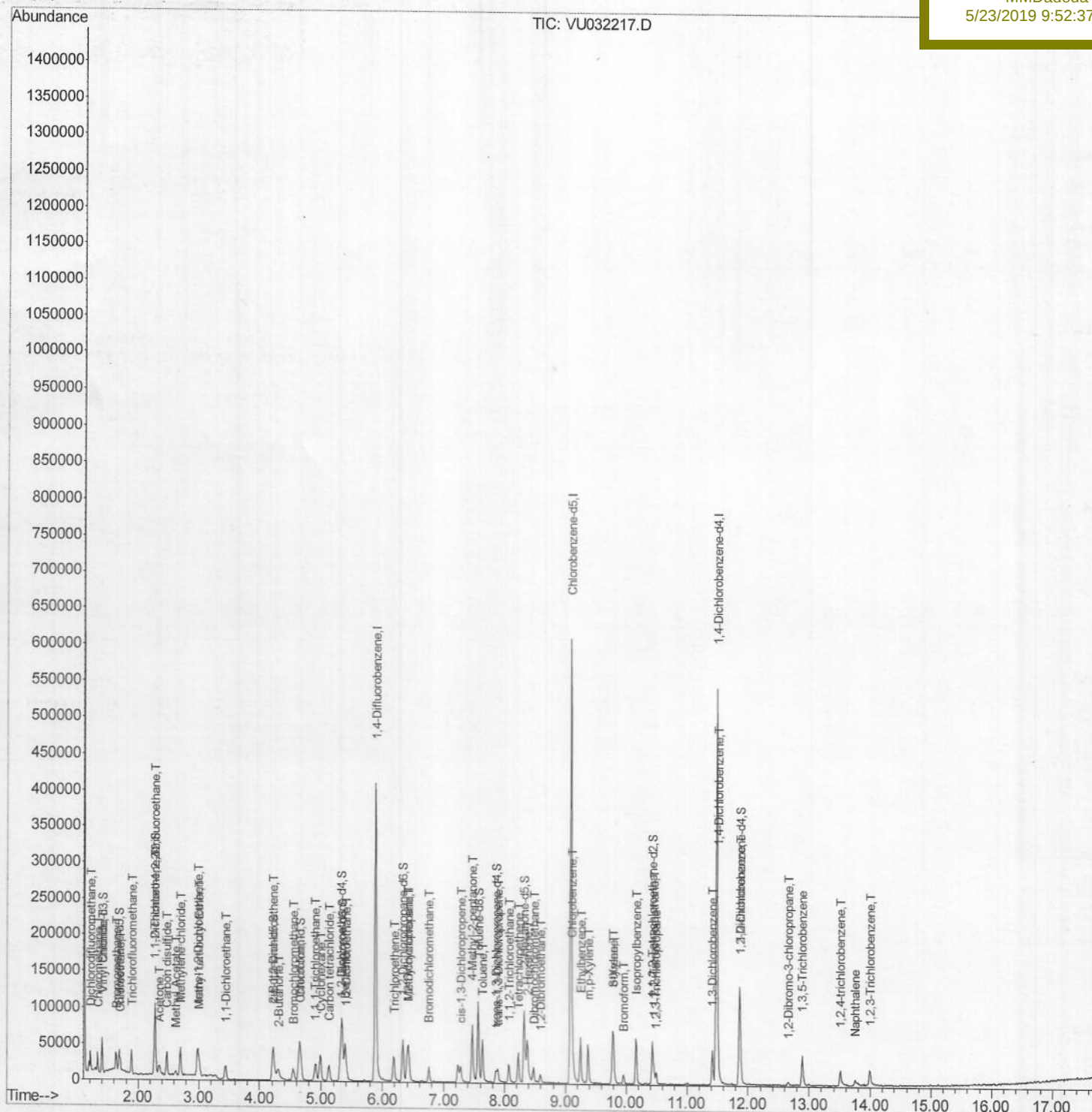
Data File : VU032217.D
Acq On : 22 May 2019 12:57
Operator : JC/SP
Sample : VSTD00108
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 23 01:13:59 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu May 23 01:03:28 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
Client Sample ID :
VSTD00108

Manual Integrations
APPROVED

MMDadoda
5/23/2019 9:52:37 AM



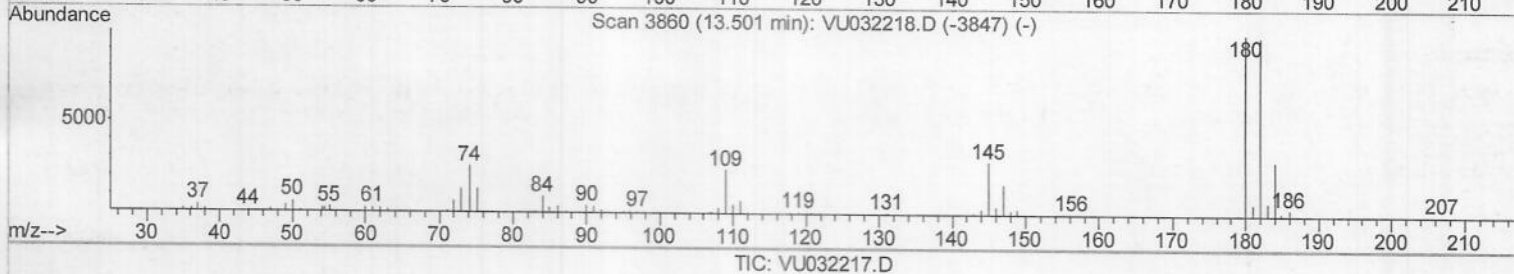
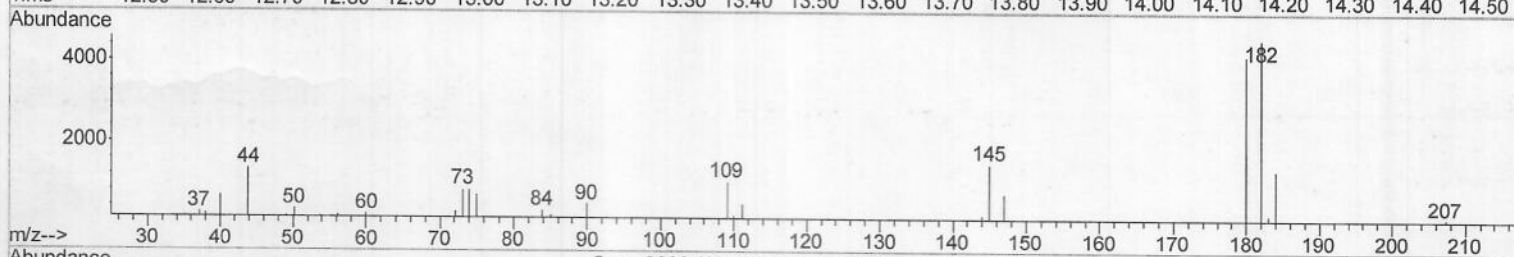
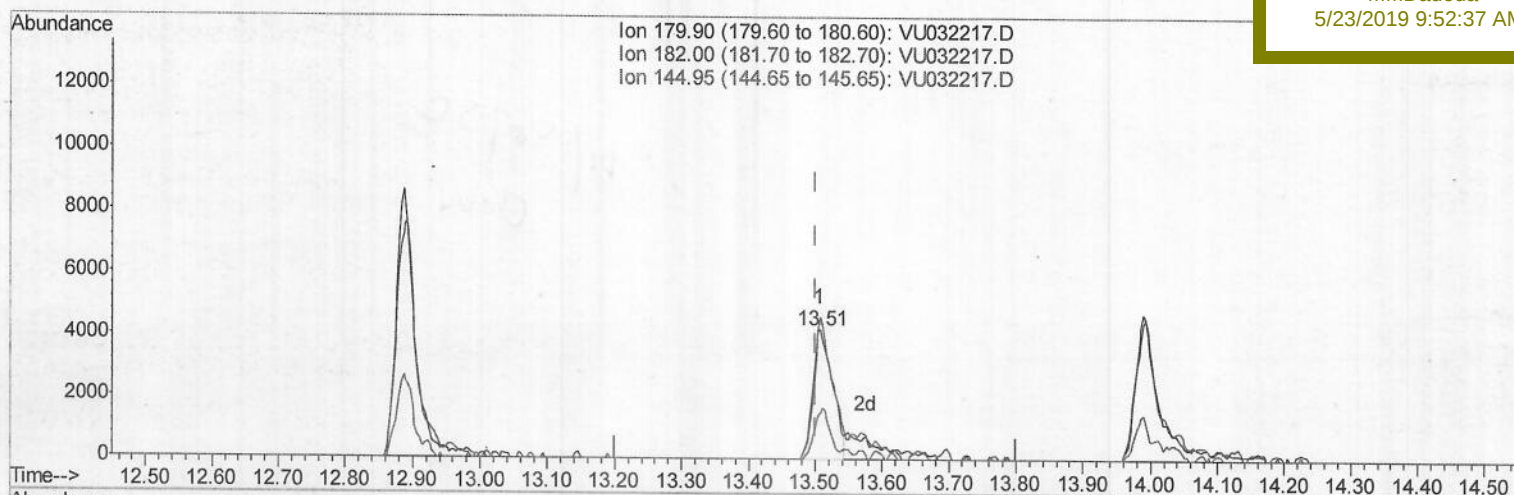
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(68) 1,2,4-trichlorobenzene (T)

13.508min (+0.007) 0.66ug/L

response 8650

Ion	Exp%	Act%
179.90	100	100
182.00	94.90	103.49
144.95	27.10	31.12
0.00	0.00	0.00

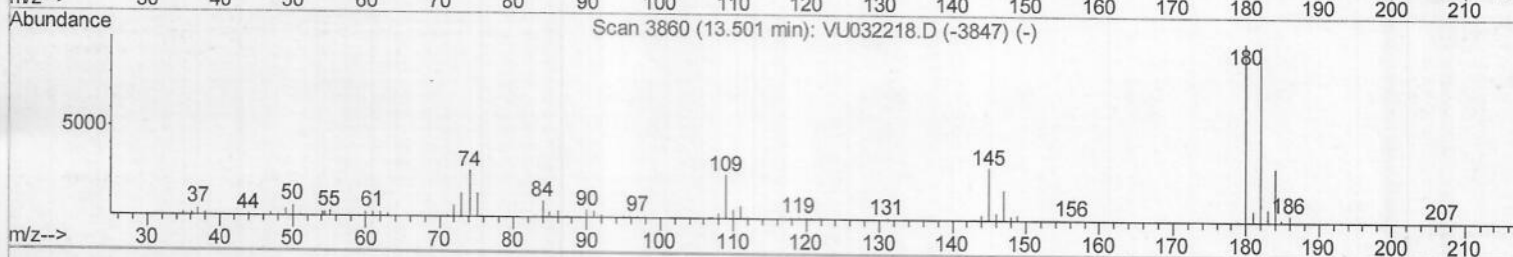
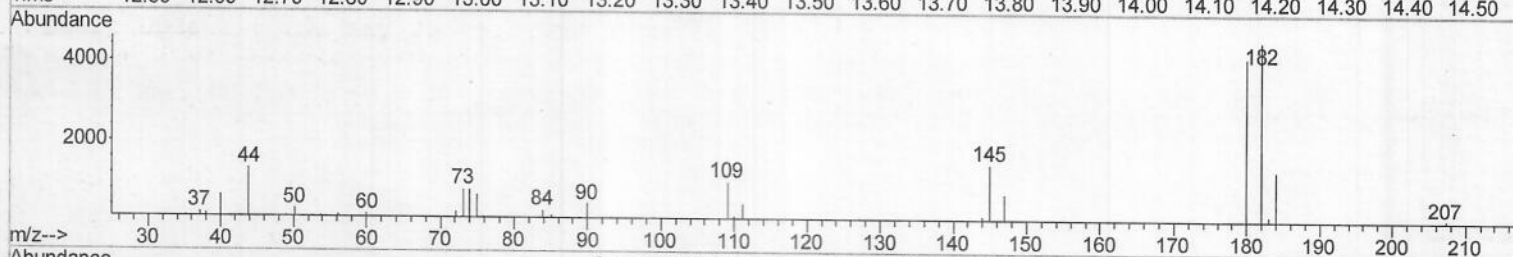
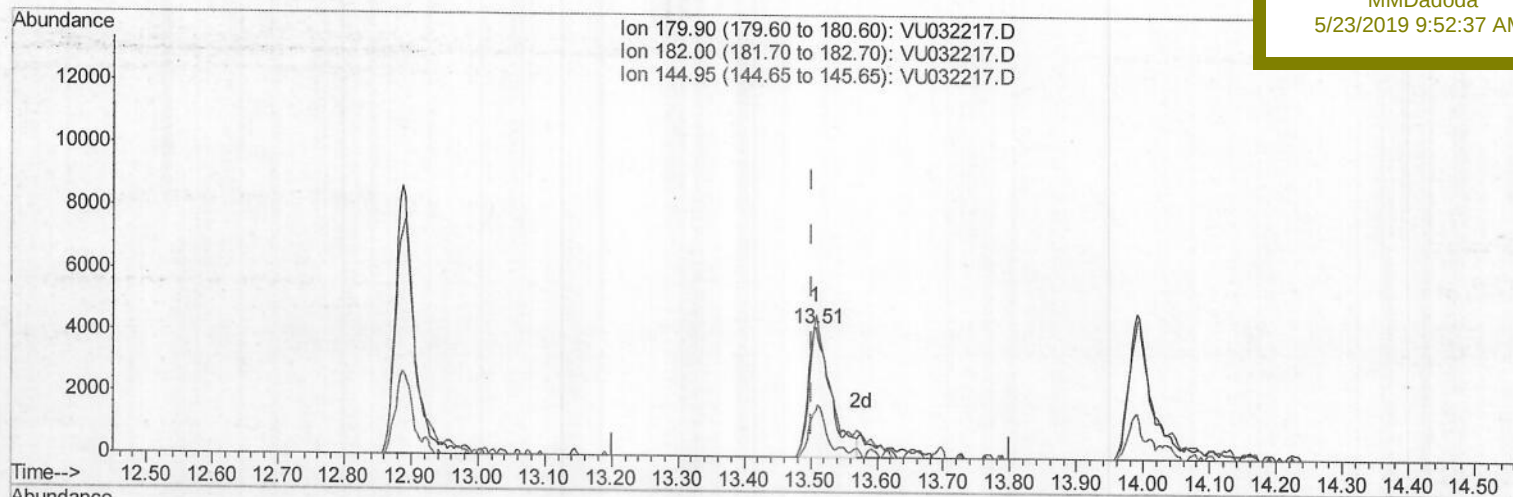
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Manual Integrations
APPROVED

MMDadoda
5/23/2019 9:52:37 AM



TIC: VU032217.D

(68) 1,2,4-trichlorobenzene (T)

13.508min (+0.007) 0.74ug/L m

response 9755

Ion	Exp%	Act%
179.90	100	100
182.00	94.90	91.77
144.95	27.10	27.60
0.00	0.00	0.00

M.D
05/23/19

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052219\
Quantitation Report (Qedit)

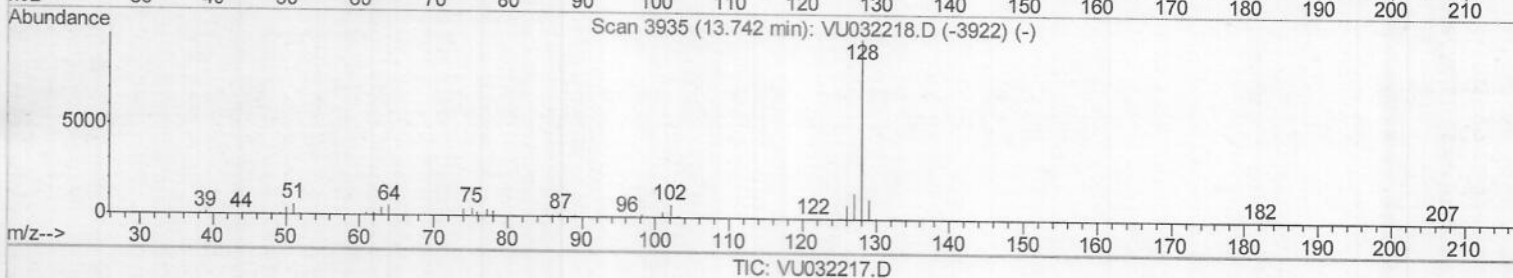
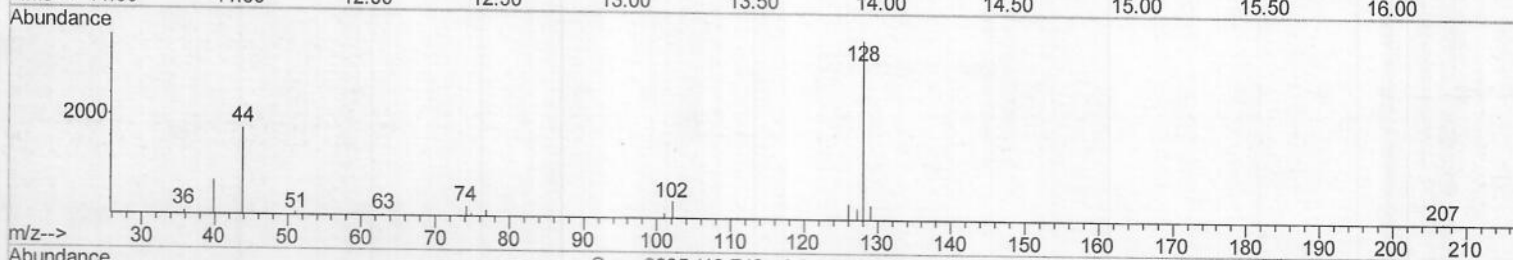
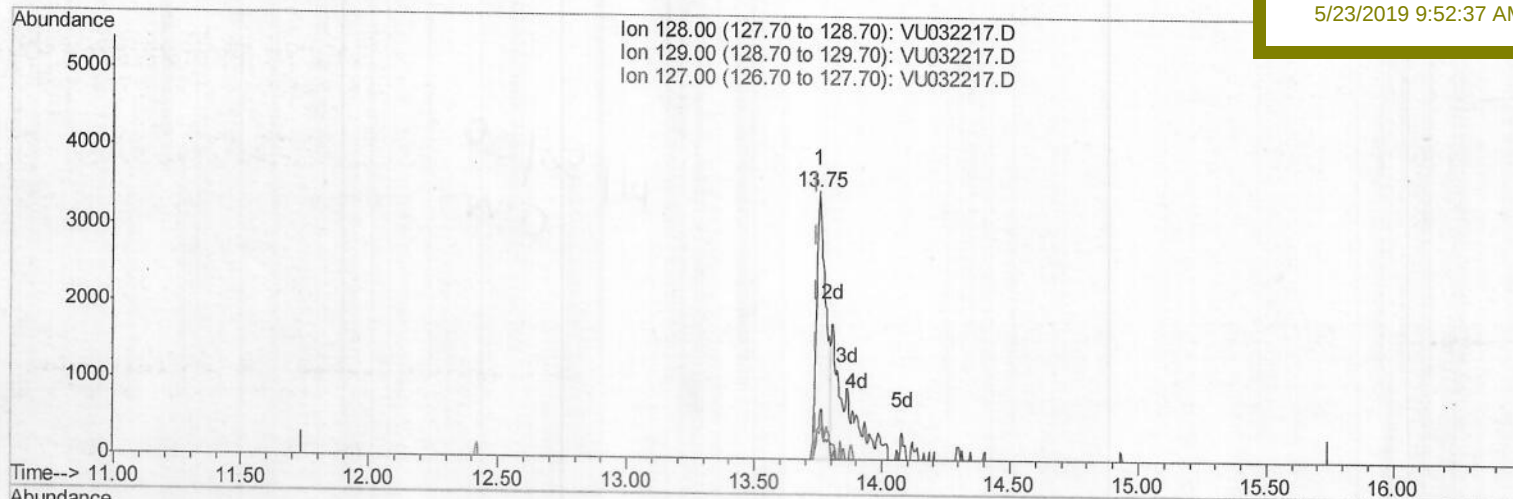
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Instrument :
MSVOA_U
ClientSampleId :
VSTD00108

Manual Integrations
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5/23/2019 9:52:37 AM



(69) Naphthalene

13.752min (+0.010) 0.44ug/L

response 8790

Ion	Exp%	Act%
128.00	100	100
129.00	11.50	0.00#
127.00	13.90	3.33#
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052219\
Quantitation Report (Qedit)

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Operator : JC/SP

Sample : VSTD00108

Misc : 25.0mL/MSVOA_U/WATER

ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 23 01:07:01 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Thu May 23 01:03:28 2019

Response via : Initial Calibration

Instrument :

MSVOA_U

ClientSampleId :

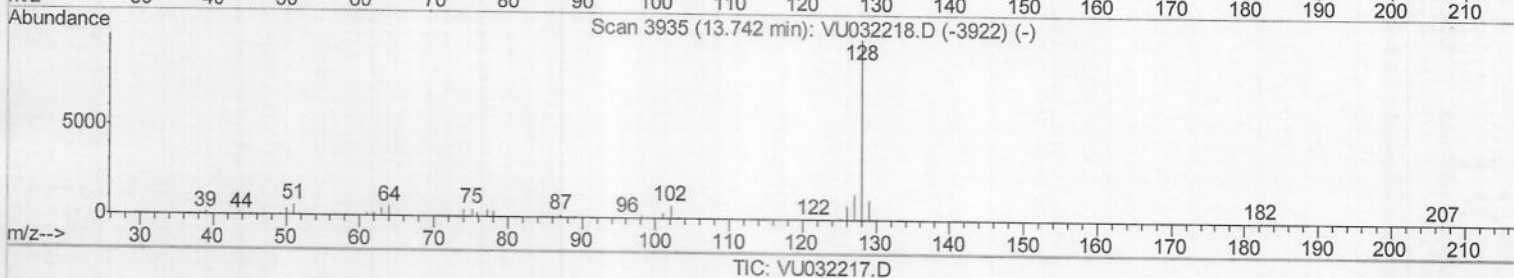
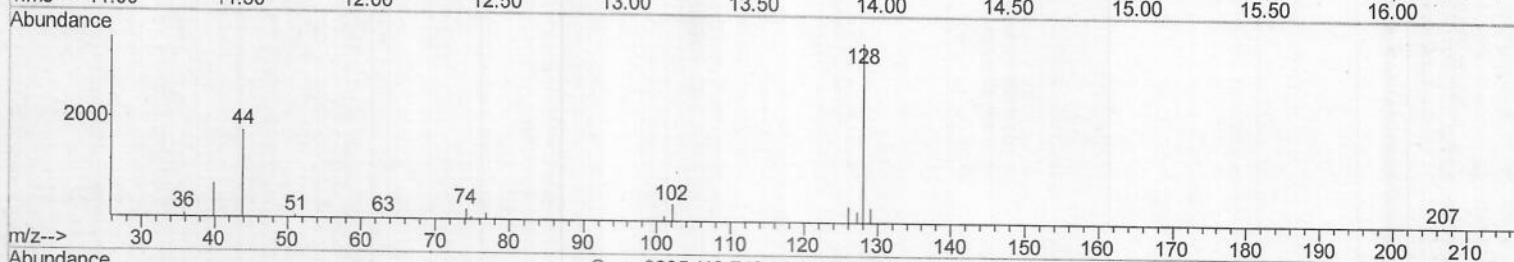
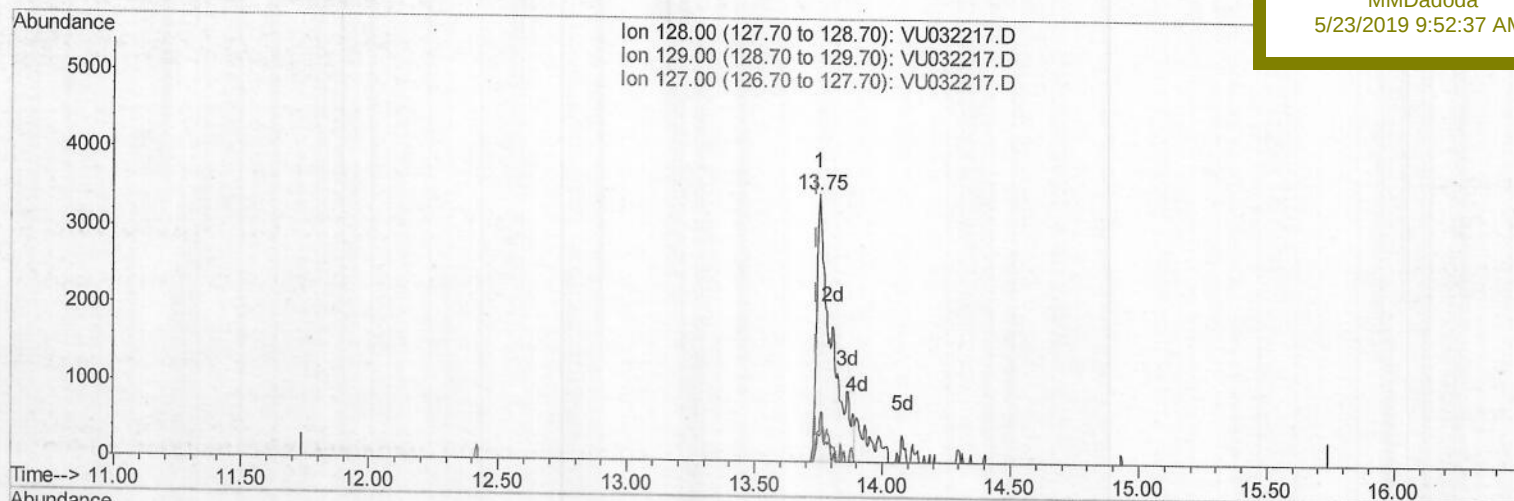
VSTD00108

Manual Integrations

APPROVED

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5/23/2019 9:52:37 AM



(69) Naphthalene

13.752min (+0.010) 0.70ug/L m

response 13823

Ion Exp% Act%

128.00 100 100

129.00 11.50 0.00#

127.00 13.90 2.12#

0.00 0.00 0.00

M.D
05/23/19

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Instrument :
MSVOA_U
Client Sampled :
VSTD00108

Manual Integrations
APPROVED

MMDadoda
5/23/2019 9:52:37 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Difluorobenzene	5.88	114	367165	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	368431	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	161978	5.00	ug/L	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev (Min)
4) Vinyl Chloride-d3	1.40	65	17861	0.62	ug/L	0.00
7) Chloroethane-d5	1.68	69	18629	0.74	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	34264	0.73	ug/L	0.00
20) 2-Butanone-d5	4.22	46	50700	8.47	ug/L	0.02
24) Chloroform-d	4.64	84	47567	0.88	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	25748	0.91	ug/L	0.00
32) Benzene-d6	5.33	84	91154	0.82	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	29494	0.89	ug/L	0.00
41) Toluene-d8	7.56	98	83156	0.83	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.86	79	11262	0.92	ug/L	0.00
46) 2-Hexanone-d5	8.32	63	34552	6.55	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	29699	1.05	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	38594	1.06	ug/L	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	15727	0.883	ug/L	98
3) Chloromethane	1.32	50	16693	0.964	ug/L	100
5) Vinyl chloride	1.40	62	15838	0.871	ug/L	99
6) Bromomethane	1.63	94	10394	0.982	ug/L	92
8) Chloroethane	1.70	64	10339	0.917	ug/L	# 81
9) Trichlorofluoromethane	1.88	101	20286	0.905	ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	12022	0.815	ug/L	94
12) 1,1-Dichloroethene	2.28	96	13183	0.913	ug/L	83
13) Acetone	2.34	43	19132	9.746	ug/L	88
14) Carbon disulfide	2.48	76	40642	0.882	ug/L	99
15) Methyl Acetate	2.63	43	5817	1.041	ug/L	90
16) Methylene chloride	2.70	84	18234	1.057	ug/L	91
17) Methyl tert-butyl Ether	3.00	73	29694	0.876	ug/L	99
18) trans-1,2-Dichloroethene	2.97	96	13847	0.900	ug/L	94
19) 1,1-Dichloroethane	3.44	63	21800	0.888	ug/L	94
21) 2-Butanone	4.31	43	27007	9.549	ug/L	76
22) cis-1,2-Dichloroethene	4.22	96	13119	0.862	ug/L	93
23) Bromochloromethane	4.55	128	6624	0.998	ug/L	# 87
25) Chloroform	4.67	83	22998	0.874	ug/L	90
27) 1,2-Dichloroethane	5.41	62	13731	0.908	ug/L	97
29) 1,1,1-Trichloroethane	4.91	97	19069	0.898	ug/L	98
30) Cyclohexane	4.99	56	16280	0.835	ug/L	97
31) Carbon tetrachloride	5.13	117	16689	0.924	ug/L	94
33) Benzene	5.39	78	46621	0.840	ug/L	100
34) Trichloroethene	6.19	95	13024	0.869	ug/L	97
35) Methylcyclohexane	6.41	83	17664	0.813	ug/L	95
37) 1,2-Dichloropropane	6.43	63	11832	0.874	ug/L	# 95
38) Bromodichloromethane	6.76	83	15178	0.875	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	15891	0.845	ug/L	93
40) 4-Methyl-2-pentanone	7.47	43	51425	8.085	ug/L	98

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5/23/2019 9:52:37 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
42) Toluene	7.64	91	46665	0.798	ug/L	87
44) trans-1,3-Dichloropropene	7.88	75	11841	0.809	ug/L	85
45) 1,1,2-Trichloroethane	8.07	97	8521	0.851	ug/L	93
47) Tetrachloroethene	8.22	164	11046	0.971	ug/L	92
48) 2-Hexanone	8.37	43	37926	7.726	ug/L	98
49) Dibromochloromethane	8.47	129	10496	0.900	ug/L	98
50) 1,2-Dibromoethane	8.59	107	8438	0.880	ug/L #	95
51) Chlorobenzene	9.12	112	32418	0.876	ug/L	98
52) Ethylbenzene	9.25	91	45987	0.787	ug/L	93
53) m,p-Xylene	9.37	106	17067	0.766	ug/L	86
54) o-Xylene	9.78	106	17143	0.802	ug/L	92
55) Styrene	9.79	104	25744	0.711	ug/L	99
56) Isopropylbenzene	10.16	105	41466	0.760	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	10713	0.862	ug/L	95
59) 1,2,3-Trichloropropane	10.49	75	7495	0.871	ug/L	91
61) Bromoform	9.95	173	6046	0.999	ug/L #	97
62) 1,3-Dichlorobenzene	11.42	146	22568	0.897	ug/L	93
63) 1,4-Dichlorobenzene	11.50	146	23130	0.875	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	22735	0.884	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.66	75	1604	0.973	ug/L #	81
67) 1,3,5-Trichlorobenzene	12.89	180	15863	0.838	ug/L	98
68) 1,2,4-trichlorobenzene	13.51	180	9755m	0.745	ug/L	
69) Naphthalene	13.75	128	13823m	0.696	ug/L	
70) 1,2,3-Trichlorobenzene	13.99	180	10437	0.786	ug/L #	95

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

Ym.P
05/23/19