

**Instrument :**  
MSVOA\_X  
**ClientSampleId :**  
VSTD100627

Reviewed By :John Carlone 11/09/2021  
Supervised By :Mahesh Dadoda 11/09/2021

TIC: VX025091.D\data.ms

Abundance

Time-->

Chloromethane, T  
Dichloromethane, T  
Vinyl chloride, T  
Trichlorofluoromethane, T  
Acetone, T  
Carbon disulfide, T  
Methyl acetate, T  
Methylene chloride, T  
trans-1,2-Dichloroethane, T  
1,1-Dichloroethane, T  
2-Butanone, T  
1,2-Dichloroethane, T  
Bromochloromethane, T  
Chloroform, T  
1,1,1-Trichloroethane, T  
Carbon tetrachloride, T  
1,2-Dichloroethane, T  
Benzene, T  
1,4-Difluorobenzene, T  
Trichloroethene, T  
1,2-Dichloropropane, T  
1,2-Dichlorohexane, T  
Bromodichloromethane, T  
cis-1,3-Dichloropropene, T  
4-Methyl-2-pentene, T  
trans-1,3-Dichloropropene, T  
1,2-Trichloroethane, T  
1,2-Dichloroethane, T  
1,2-Dibromopropane, T  
Chlorobenzene, T  
Bromoform, T  
Styrene, T  
Isopropylbenzene  
1,3,5-Trimethylbenzene  
1,2,4-Trimethylbenzene  
1,3-Dichlorobenzene, T  
1,4-Dichlorobenzene, T  
1,2-Dibromobenzene, T  
1,2-Dibromo-3-chloropropane, T  
1,3,5-Trichlorobenzene  
1,2,4-Trichlorobenzene, T  
Naphthalene  
1,2,3-Trichlorobenzene, T

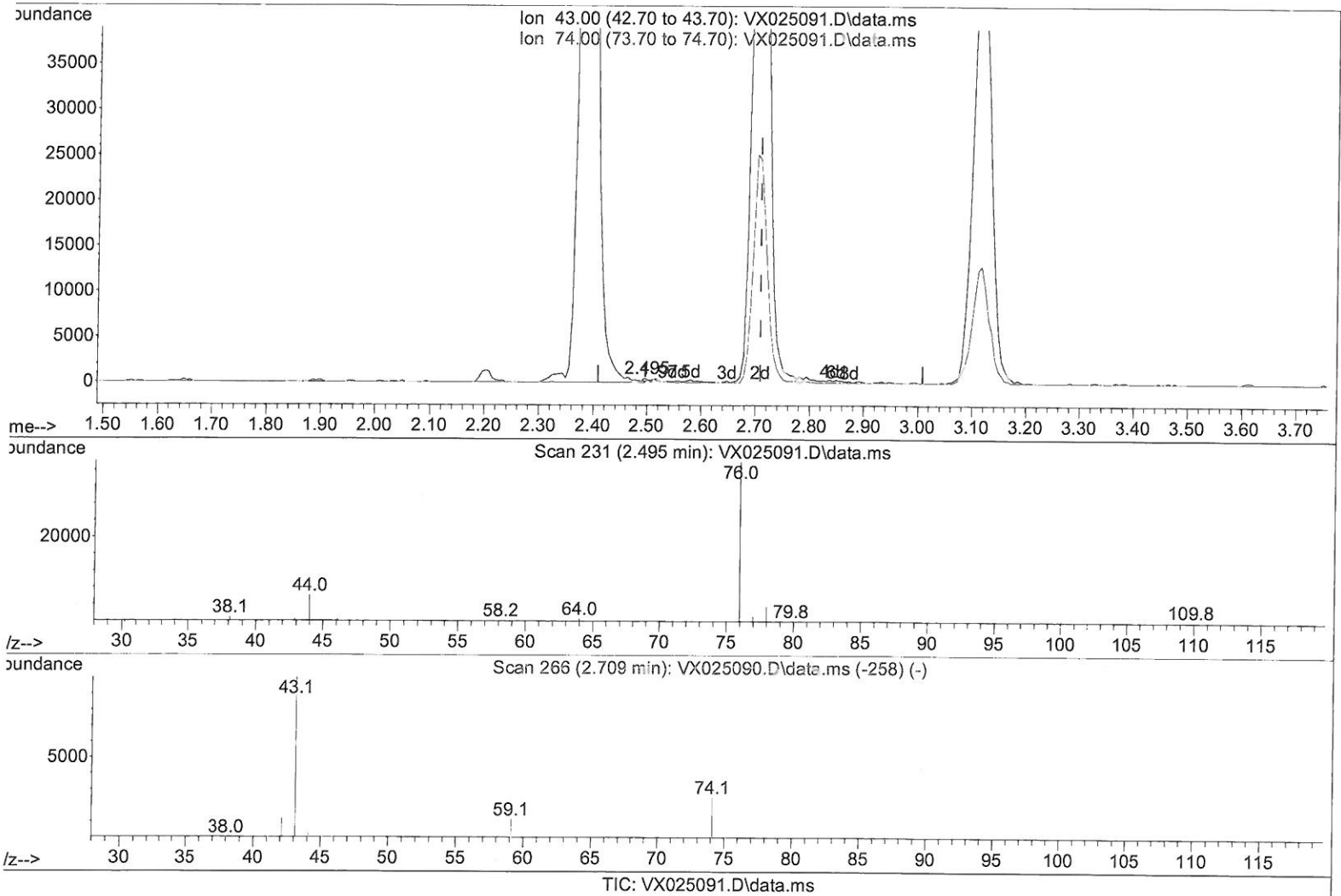
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110821\  
 Data File : VX025091.D  
 Acq On : 08 Nov 2021 10:36  
 Operator : JC/MD  
 Sample : VSTD10027  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

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Manual IntegrationsAPPROVED

Quant Time: Nov 09 03:36:34 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML110821WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Nov 09 03:33:09 2021  
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(15) Methyl Acetate (T)

2.495min (-0.213) 0.12 ug/L

response 191

Ion	Exp%	Act%
43.00	100.00	100.00
74.00	35.70	32.46
0.00	0.00	0.00
0.00	0.00	0.00

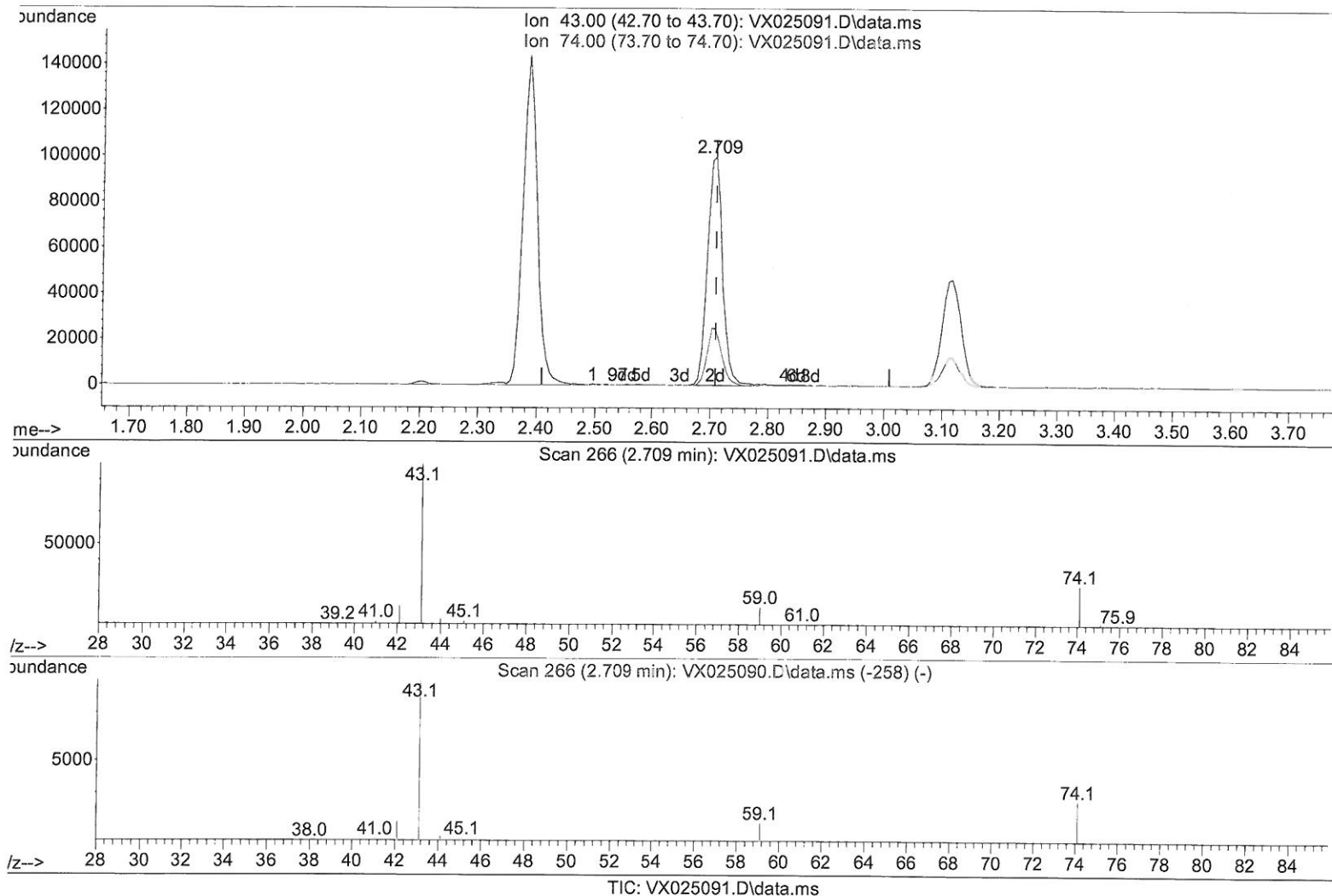
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(15) Methyl Acetate (T)

2.709min (-0.000) 112.30 ug/L m > MD  
 11/09/21

response 180331

Ion	Exp%	Act%
43.00	100.00	100.00
74.00	35.70	0.03#
0.00	0.00	0.00
0.00	0.00	0.00

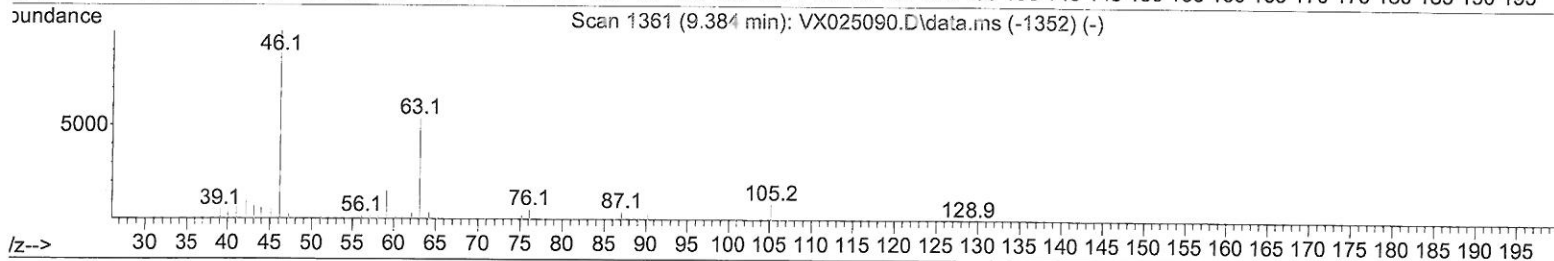
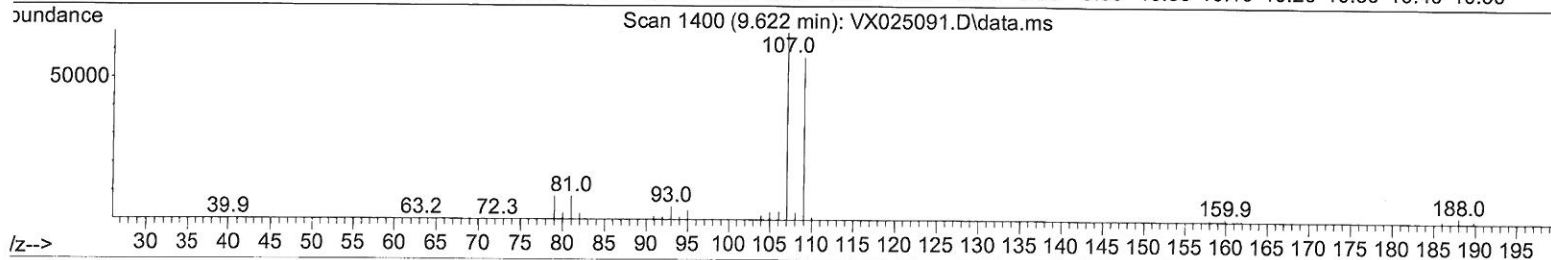
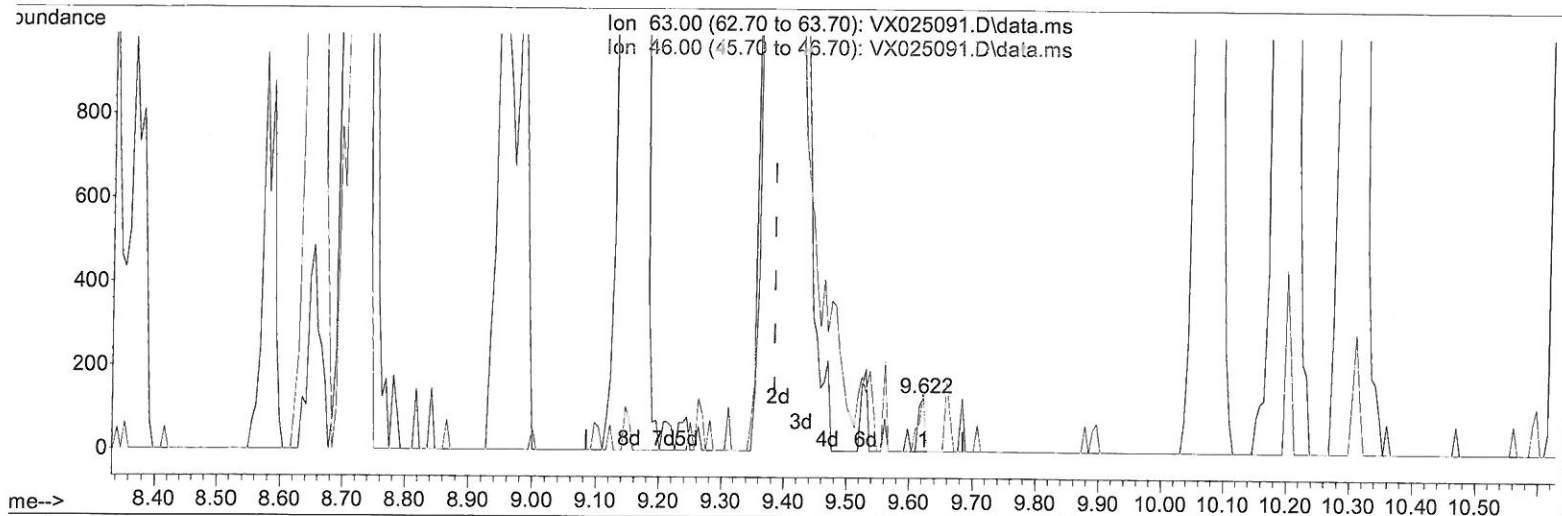
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(47) 2-Hexanone-d5 (S)

9.622min (+ 0.238) 0.10 ug/L

response 87

Ion	Exp%	Act%
63.00	100.00	100.00
46.00	140.40	109.20
0.00	0.00	0.00
0.00	0.00	0.00

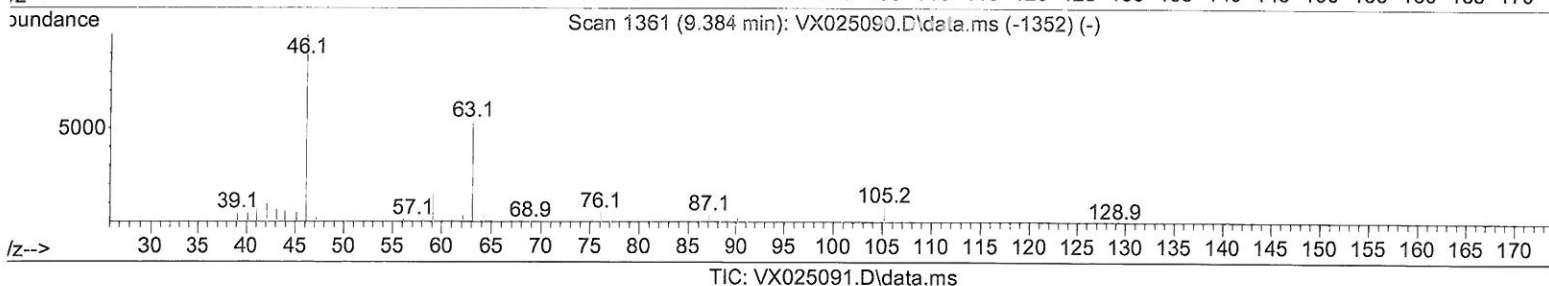
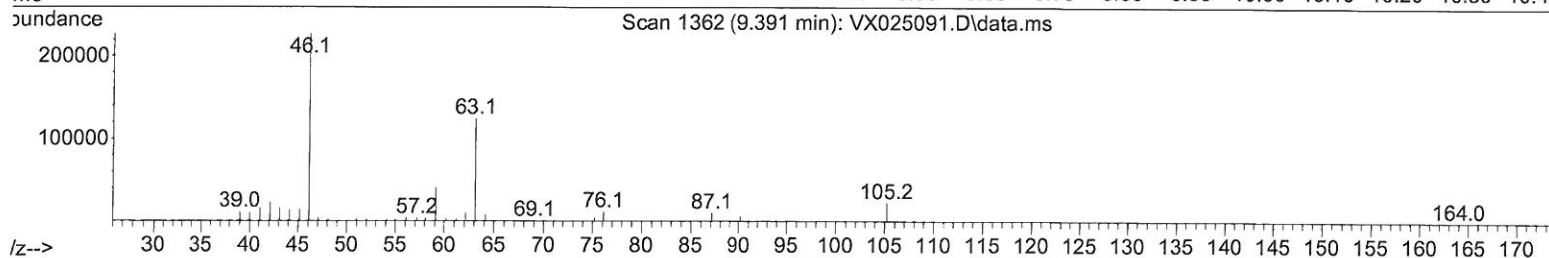
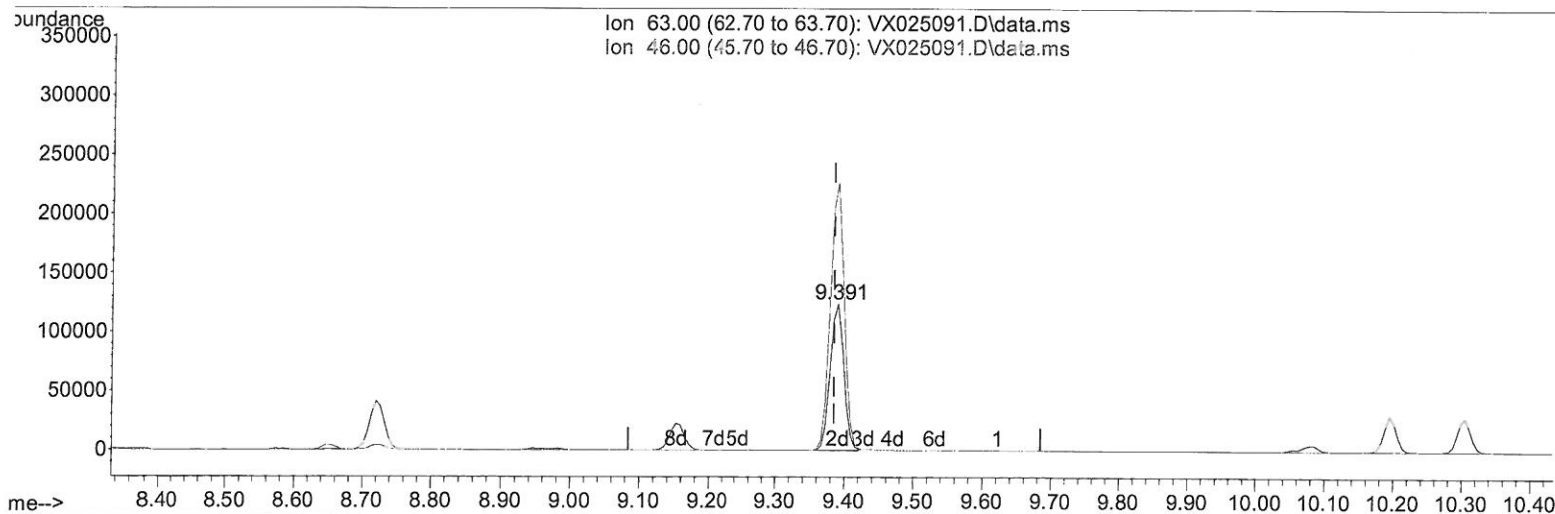
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(47) 2-Hexanone-d5 (S)

9.391min (+ 0.006) 200.18 ug/L m

response 169525

Ion	Exp%	Act%
63.00	100.00	100.00
46.00	140.40	0.06#
0.00	0.00	0.00
0.00	0.00	0.00

MD  
 11/09/21

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Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Difluorobenzene	6.763	114	187358	50.000 ug/L	# 0.00
28) Chlorobenzene-d5	10.055	117	175495	50.000 ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	87880	50.000 ug/L	0.00

System Monitoring Compounds					
4) Vinyl Chloride-d3	1.368	65	193542	151.803 ug/L	0.00
7) Chloroethane-d5	1.666	69	100847	115.426 ug/L	0.00
11) 1,1-Dichloroethene-d2	2.313	63	376839	127.450 ug/L	0.00
21) 2-Butanone-d5	4.459	46	267248	228.035 ug/L	0.00
24) Chloroform-d	5.062	84	401063	128.215 ug/L	0.00
26) 1,2-Dichloroethane-d4	5.964	65	228176	101.130 ug/L	0.00
32) Benzene-d6	5.977	84	532343	100.475 ug/L	0.00
36) 1,2-Dichloropropane-d6	7.312	67	173272	103.478 ug/L	0.00
41) Toluene-d8	8.653	98	499857	105.235 ug/L	0.00
43) trans-1,3-Dichloroprop...	8.952	79	102668	105.798 ug/L	0.00
47) 2-Hexanone-d5	9.391	63	169525m	200.179 ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	11.195	84	239726	107.390 ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.323	152	171014	100.790 ug/L	0.00

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 11/09/21

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.166	85	213089	120.827 ug/L	98
3) Chloromethane	1.288	50	147754	120.278 ug/L	90
5) Vinyl chloride	1.374	62	182746	129.531 ug/L	99
6) Bromomethane	1.611	94	97828	107.769 ug/L	95
8) Chloroethane	1.685	64	103560	140.180 ug/L	99
9) Trichlorofluoromethane	1.886	101	327207	108.593 ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	171326	123.698 ug/L	92
12) 1,1-Dichloroethene	2.319	96	152797	128.828 ug/L	72
13) Acetone	2.386	43	243076	216.568 ug/L	98
14) Carbon disulfide	2.514	76	402345	127.143 ug/L	99
15) Methyl Acetate	2.709	43	180331m	112.300 ug/L	99
16) Methylene chloride	2.794	84	174751	129.853 ug/L	86
17) trans-1,2-Dichloroethene	3.093	96	157706	131.218 ug/L	94
18) Methyl tert-butyl Ether	3.117	73	621496	126.489 ug/L	# 93
19) 1,1-Dichloroethane	3.611	63	328613	119.382 ug/L	93
20) cis-1,2-Dichloroethene	4.495	96	183764	133.900 ug/L	88
22) 2-Butanone	4.562	43	308517	224.721 ug/L	85
23) Bromochloromethane	4.910	128	86466	128.345 ug/L	# 74
25) Chloroform	5.099	83	369838	120.684 ug/L	98
27) 1,2-Dichloroethane	6.092	62	259371	97.782 ug/L	98
29) Cyclohexane	5.477	56	268938	109.920 ug/L	# 78
30) 1,1,1-Trichloroethane	5.385	97	336244	109.491 ug/L	# 93
31) Carbon tetrachloride	5.684	117	229983	88.704 ug/L	99
33) Benzene	6.044	78	539719	94.756 ug/L	100
34) Trichloroethene	7.129	95	150042	92.750 ug/L	99
35) Methylcyclohexane	7.385	83	231129	99.582 ug/L	# 87
37) 1,2-Dichloropropane	7.434	63	144913	94.976 ug/L	# 96
38) Bromodichloromethane	7.824	83	223140	94.448 ug/L	# 94
39) cis-1,3-Dichloropropene	8.372	75	243736	99.863 ug/L	98
40) 4-Methyl-2-pentanone	8.580	43	473586	202.091 ug/L	# 78
42) Toluene	8.720	91	594081	101.227 ug/L	99
44) trans-1,3-Dichloropropene	8.982	75	257071	100.321 ug/L	98

2 MD  
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	9.153	97	136660	93.360	ug/L	93
46) Tetrachloroethene	9.275	164	91345	90.134	ug/L	98
48) 2-Hexanone	9.433	43	393677	199.585	ug/L #	79
49) Dibromochloromethane	9.525	129	153559	95.392	ug/L	97
50) 1,2-Dibromoethane	9.610	107	150138	94.088	ug/L	97
51) Chlorobenzene	10.086	112	358546	100.396	ug/L	94
52) Ethylbenzene	10.195	91	699622	104.330	ug/L	100
53) m,p-Xylene	10.305	106	249717	107.184	ug/L	96
54) o-Xylene	10.646	106	238000	105.338	ug/L	95
55) Styrene	10.659	104	421299	109.690	ug/L	98
57) 1,1,2,2-Tetrachloroethane	11.213	83	231967	102.429	ug/L	97
59) Bromoform	10.805	173	99350	92.403	ug/L #	96
60) Isopropylbenzene	10.963	105	686687	100.061	ug/L	98
61) 1,2,3-Trichloropropane	11.244	75	202321	95.601	ug/L	92
62) 1,3,5-Trimethylbenzene	11.457	105	593844	103.654	ug/L	100
63) 1,2,4-Trimethylbenzene	11.756	105	605306	104.563	ug/L	98
64) 1,3-Dichlorobenzene	11.969	146	266634	103.258	ug/L	98
65) 1,4-Dichlorobenzene	12.043	146	261133	98.201	ug/L	96
67) 1,2-Dichlorobenzene	12.335	146	260520	98.454	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.945	75	64478	92.420	ug/L #	85
69) 1,3,5-Trichlorobenzene	13.116	180	179376	93.802	ug/L	99
70) 1,2,4-trichlorobenzene	13.591	180	160679	96.211	ug/L	97
71) Naphthalene	13.780	128	622858	105.810	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	160656	93.645	ug/L	95

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