LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091118\
Data File : VW005278.D
Acq On : 11 Sep 2018 16:19
Operator : SY/AP
Sample : J4724-16
Misc : 5.33G/5ML/MSVOA W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EP1-SUT-4USTS-S

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.M
Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	9.970	1316	1323	1337	rVB2	1170288	4438870	1.57%	0.129%
2	10.110	1337	1346	1360	rVB2	1467988	5305820	1.87%	0.154%
3	10.329	1375	1382	1398	rBV	5079458	17271366	6.10%	0.501%
4	10.512	1404	1412	1423	rVB5	2465676	8117081	2.87%	0.236%
5	10.671	1425	1438	1449	rBV2	5633932	18744182	6.62%	0.544%
6	10.774	1449	1455	1458	rBV	3245446	7408470	2.62%	0.215%
7	10.866	1464	1470	1477	rVB2	4310311	10393796	3.67%	0.302%
8	10.963	1478	1486	1497	rBV	24029671	88049058	31.10%	2.556%
9	11.067	1497	1503	1509	rBV	11306389	34007942	12.01%	0.987%
10	11.195	1518	1524	1527	rBV	18066264	39737048	14.03%	1.154%
11	11.250	1527	1533	1545	rVB3	48137224	162876395	57.52%	4.729%
12	11.366	1545	1552	1556	rBV4	29794926	84005173	29.67%	2.439%
13	11.451	1558	1566	1574	rVB6	49147296	185612731	65.55%	5.389%
14	11.542	1574	1581	1599	rVB2	53252462	219943621	77.67%	6.385%
15	11.744	1601	1614	1616	rBV7	13080950	39208644	13.85%	1.138%
16	11.859	1617	1633	1634	rBV5	54523488	202597636	71.55%	5.882%
17	12.176	1677	1685	1693	rBV8	44588056	199724724	70.53%	5.798%
18	12.701	1761	1771	1774	rBV4	36855092	120162407	42.44%	3.489%
19	12.823	1783	1791	1798	rVB7	80371552	283159279	100.00%	8.221%
20	12.902	1798	1804	1808	rBV4	73488392	221199958	78.12%	6.422%
21	13.121	1834	1840	1848	rBV9	46365344	162155856	57.27%	4.708%
22	13.201	1849	1853	1860	rVV7	44913842	113321866	40.02%	3.290%
23	13.298	1860	1869	1877	rVB7	49471368	190100937	67.14%	5.519%
24	13.371	1878	1881	1884	rBV3	24363360	36221047	12.79%	1.052%
25	13.469	1891	1897	1902	rBV6	66747760	184115429	65.02%	5.345%
26	13.573	1911	1914	1916	rBV	7426618	8046094	2.84%	0.234%
27	13.609	1916	1920	1933	rVB4	74954620	190071853	67.13%	5.518%
28	13.731	1933	1940	1942	rBV4	38705060	70515167	24.90%	2.047%
29	13.768	1942	1946	1949	rVV3	42396344	66064593	23.33%	1.918%
30	13.810	1949	1953	1962	rVB3	52653002	128142334	45.25%	3.720%
31	13.896	1962	1967	1974	rBV4	63280610	120966639	42.72%	3.512%
32	13.963	1974	1978	1984	rVB	17280612	25205298	8.90%	0.732%
33	14.024	1984	1988	1990	rBV2	17916956	24300930	8.58%	0.705%
34	14.109	1998	2002	2009	rVB	29470020	48248435	17.04%	1.401%

LSC Area Percent Report

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Operator : SY/AP
Sample : J4724-16
Misc : 5.33G/5ML/MSVOA W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EP1-SUT-4USTS-S

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.M
Title : SW846 8260

35	14.170	2009	2012	2014	rVV	4721659	6525064	2.30%	0.189%
36	14.213	2014	2019	2025	rVV2	24476052	44011198	15.54%	1.278%
37	14.280	2025	2030	2036	rVB7	5858456	12875831	4.55%	0.374%
38	14.347	2036	2041	2045	rBV2	8696638	14122401	4.99%	0.410%
39	14.396	2045	2049	2052	rVV2	8737853	13433753	4.74%	0.390%
40	14.426	2052	2054	2058	rVV2	5709128	8354914	2.95%	0.243%
41	14.463	2058	2060	2064	rVB	5843989	7383499	2.61%	0.214%
42	14.554	2071	2075	2081	rVB4	3760900	7123063	2.52%	0.207%
43	14.804	2110	2116	2123	rBV3	3112039	7216658	2.55%	0.210%
44	14.969	2137	2143	2148	rVB	2499662	4021421	1.42%	0.117%

Sum of corrected areas: 3444508481

LSC Report - Integrated Chromatogram

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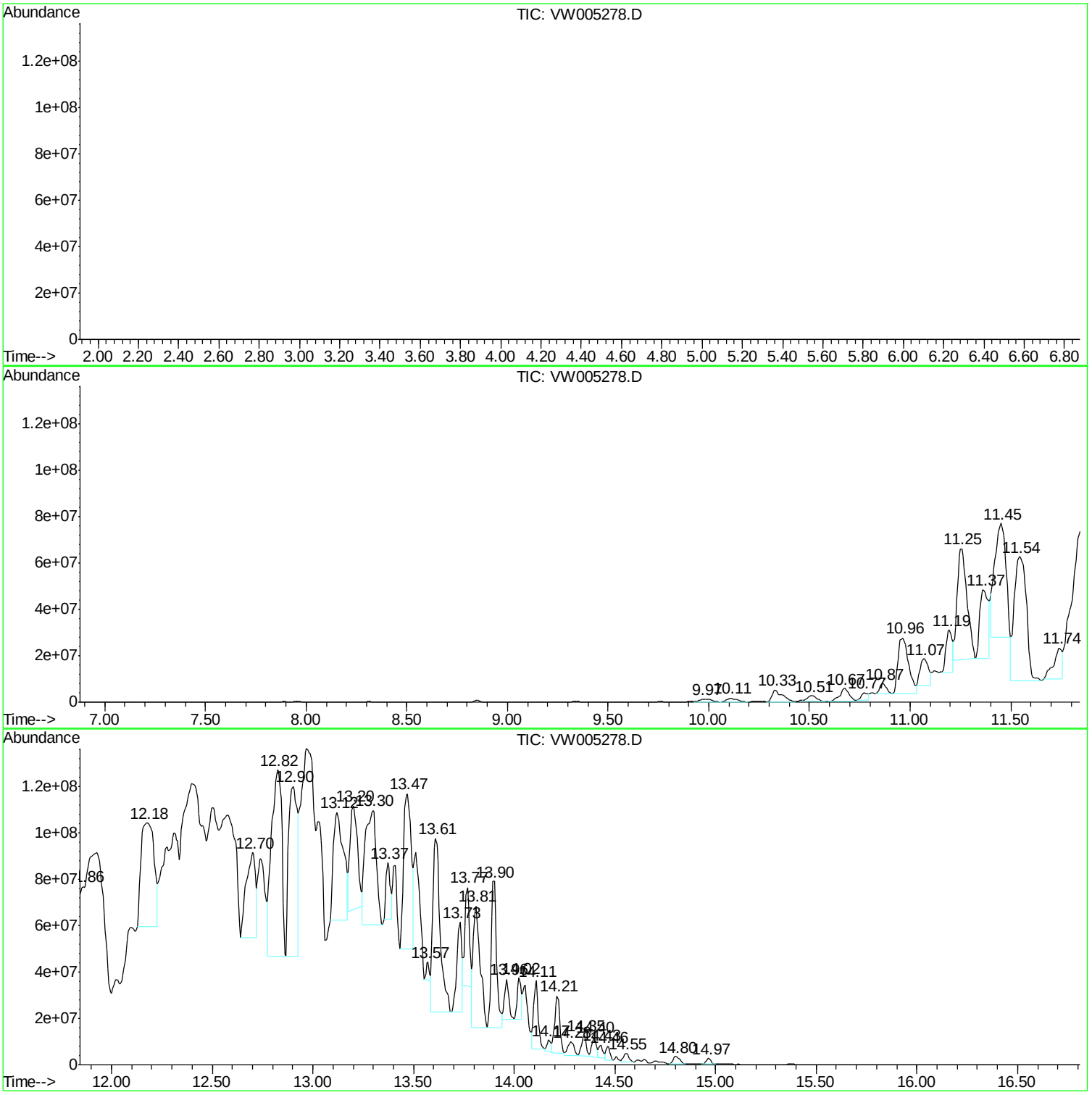
Data File : VW005278.D
Acq On : 11 Sep 2018 16:19
Operator : SY/AP
Sample : J4724-16
Misc : 5.33G/5ML/MSVOA W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EP1-SUT-4USTS-S

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091118\
Data File : VW005278.D
Acq On : 11 Sep 2018 16:19
Operator : SY/AP
Sample : J4724-16
Misc : 5.33G/5ML/MSVOA W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EP1-SUT-4USTS-S

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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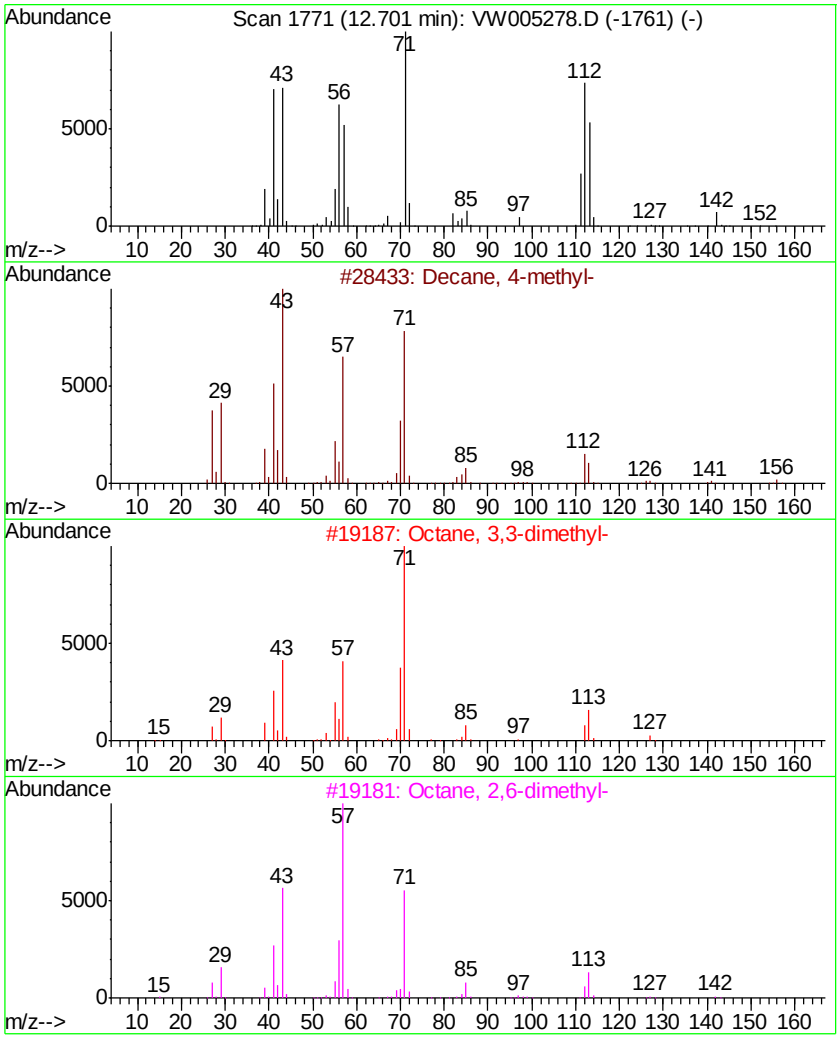
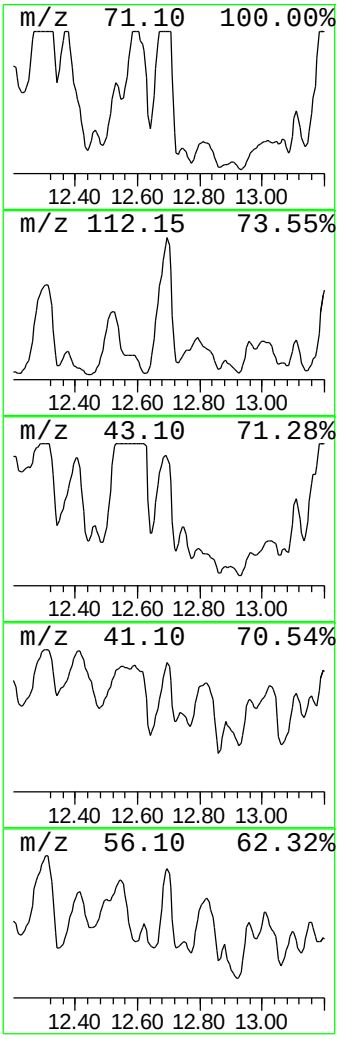
Peak Number 1 unknown12.70 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	746.71 ug/l	120162000	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	45
2	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	35
3	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	25
4	Cyclohexanol, 1-methyl-	114	C7H14O	000590-67-0	22
5	2,5-Pyrrolidinedione, 1-methyl-	113	C5H7NO2	001121-07-9	18





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091118\
Data File : VW005278.D
Acq On : 11 Sep 2018 16:19
Operator : SY/AP
Sample : J4724-16
Misc : 5.33G/5ML/MSVOA W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EP1-SUT-4USTS-S

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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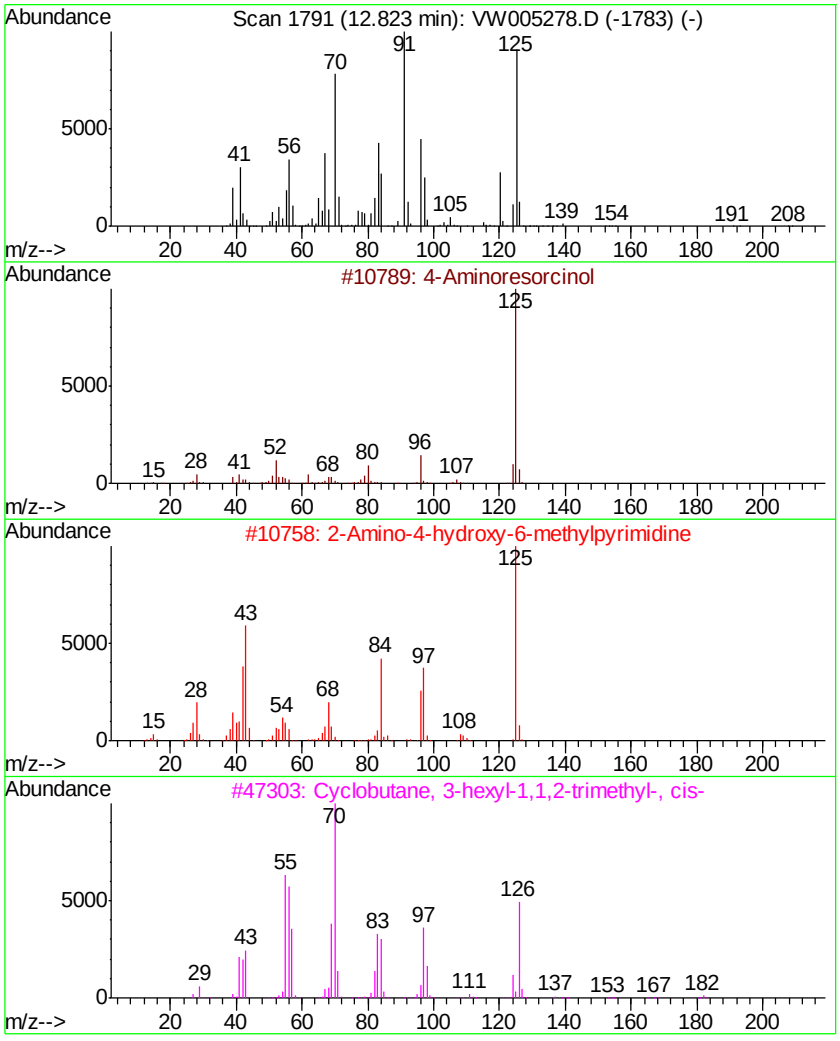
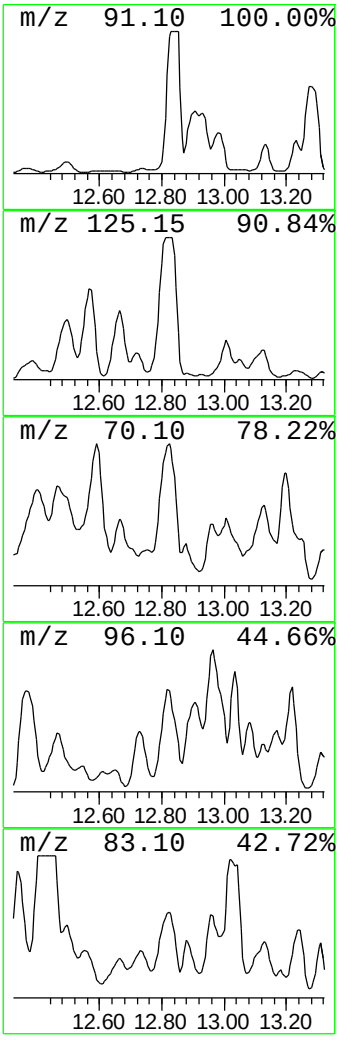
Peak Number 2 unknown12.82 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.82	1759.61 ug/l	283159000	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Aminoresorcinol	125	C6H7NO2	013066-95-0	30
2	2-Amino-4-hydroxy-6-methylpyrimi...	125	C5H7N3O	003977-29-5	27
3	Cyclobutane, 3-hexyl-1,1,2-trime...	182	C13H26	049622-21-1	25
4	2-Amino-5-methyl-4-oxo-3,4-dihyd...	125	C5H7N3O	015981-91-6	25
5	2-Dodecenal	182	C12H22O	004826-62-4	23





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091118\
Data File : VW005278.D
Acq On : 11 Sep 2018 16:19
Operator : SY/AP
Sample : J4724-16
Misc : 5.33G/5ML/MSVOA W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EP1-SUT-4USTS-S

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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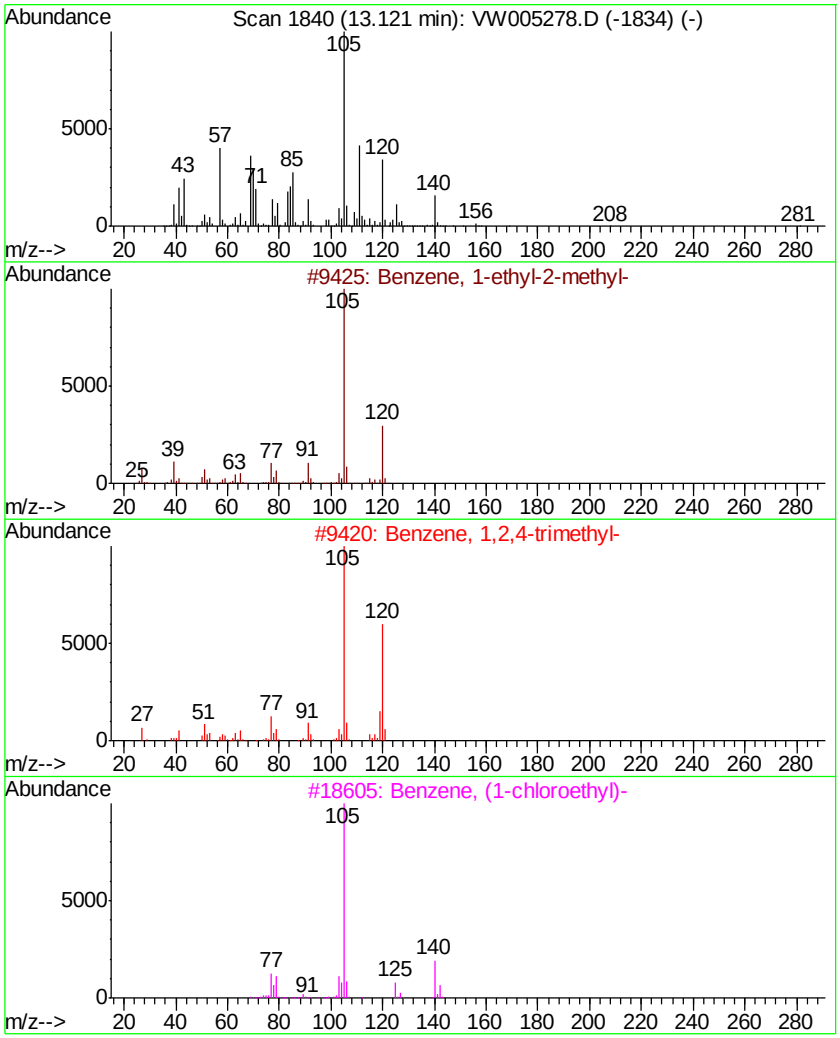
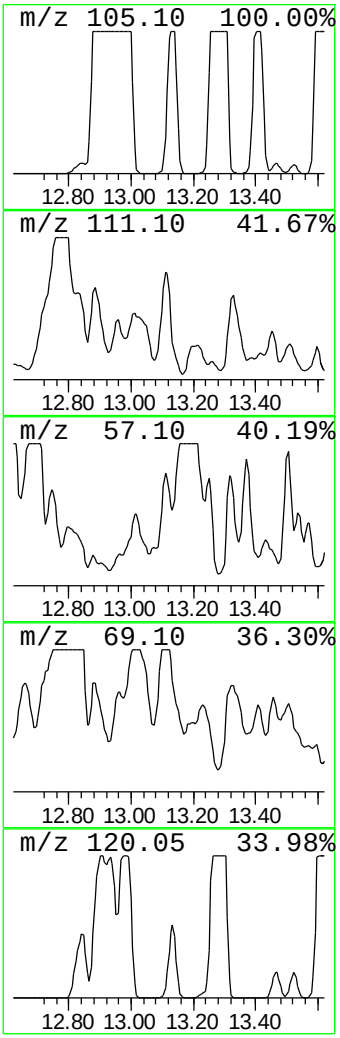
Peak Number 3 Benzene, 1-ethyl-2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	1007.67 ug/l	162156000	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	64
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	35
3	Benzene, (1-chloroethyl)-	140	C8H9Cl	000672-65-1	35
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	35
5	Mesitylene	120	C9H12	000108-67-8	35





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091118\
Data File : VW005278.D
Acq On : 11 Sep 2018 16:19
Operator : SY/AP
Sample : J4724-16
Misc : 5.33G/5ML/MSVOA_W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EP1-SUT-4USTS-S

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.M
Quant Title : SW846 8260

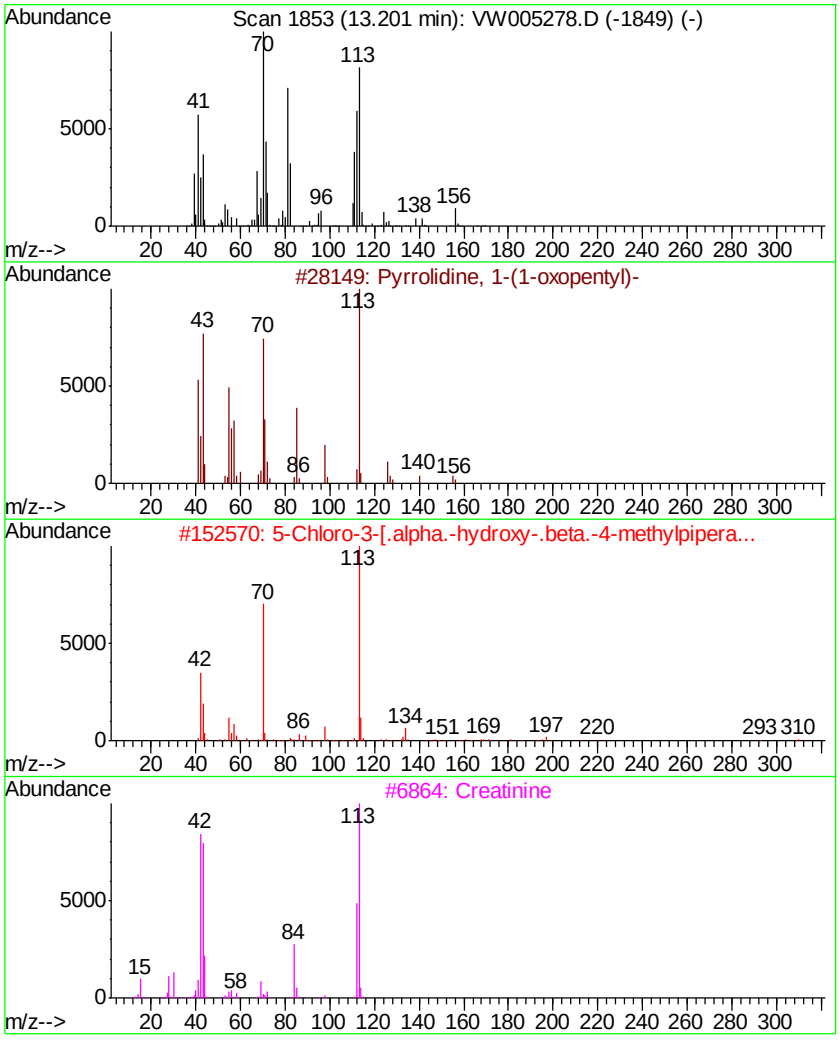
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

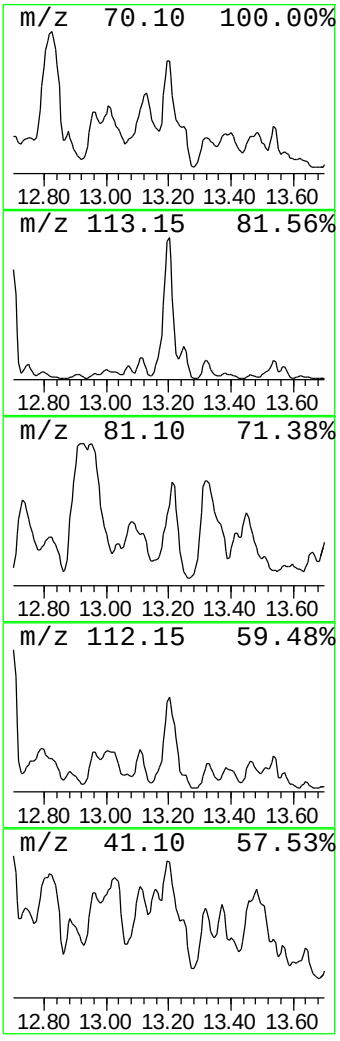
****

Peak Number 4 unknown13.20 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.20	704.20 ug/l	113322000	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrrolidine, 1-(1-oxopentyl)-	155	C9H17NO	004419-57-2	42
2	5-Chloro-3-[.alpha.-hydroxy-.bet...	310	C15H19ClN2OS	1000251-01-6	37
3	Creatinine	113	C4H7N3O	000060-27-5	27
4	Thiazole, 4,5-dimethyl-	113	C5H7NS	003581-91-7	25
5	3,7-Dimethyloctyl acetate	200	C12H24O2	020780-49-8	25





Library Search Compound Report

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Misc : 5.33G/5ML/MSVOA W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EP1-SUT-4USTS-S

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.M
Quant Title : SW846 8260

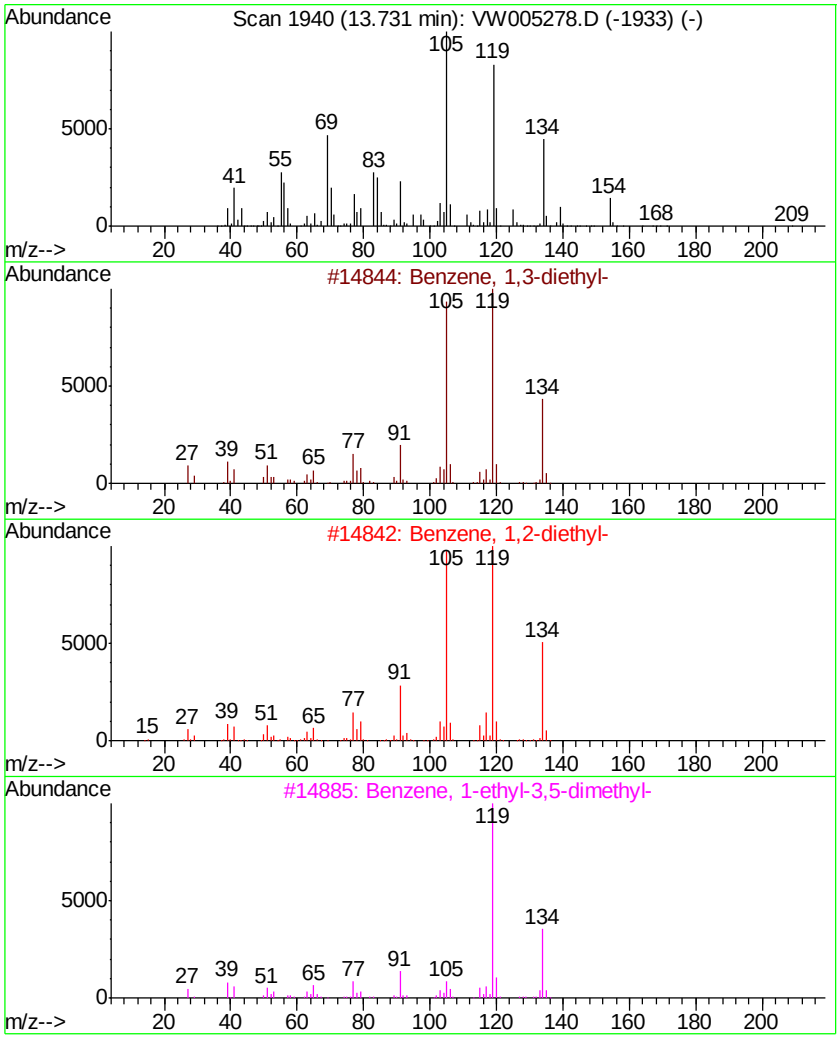
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

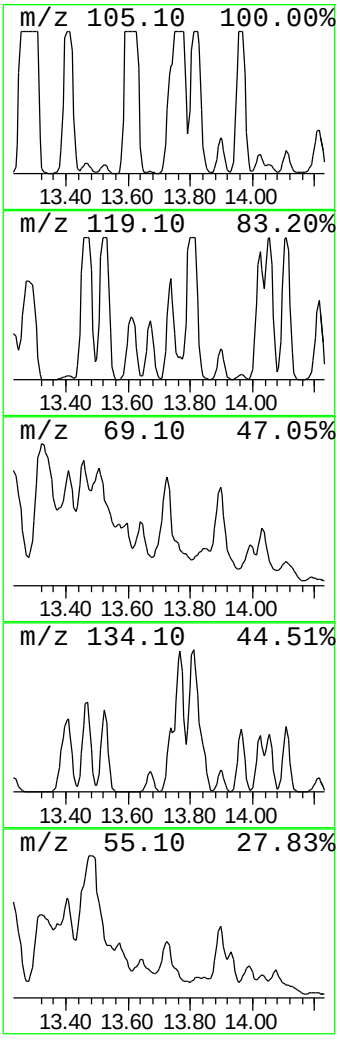
****

Peak Number 5 Benzene, 1,3-diethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.73	438.20 ug/l	70515200	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	96
2	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	95
3	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	70
4	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	70
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	62





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Misc : 5.33G/5ML/MSVOA_W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EP1-SUT-4USTS-S

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.M
Quant Title : SW846 8260

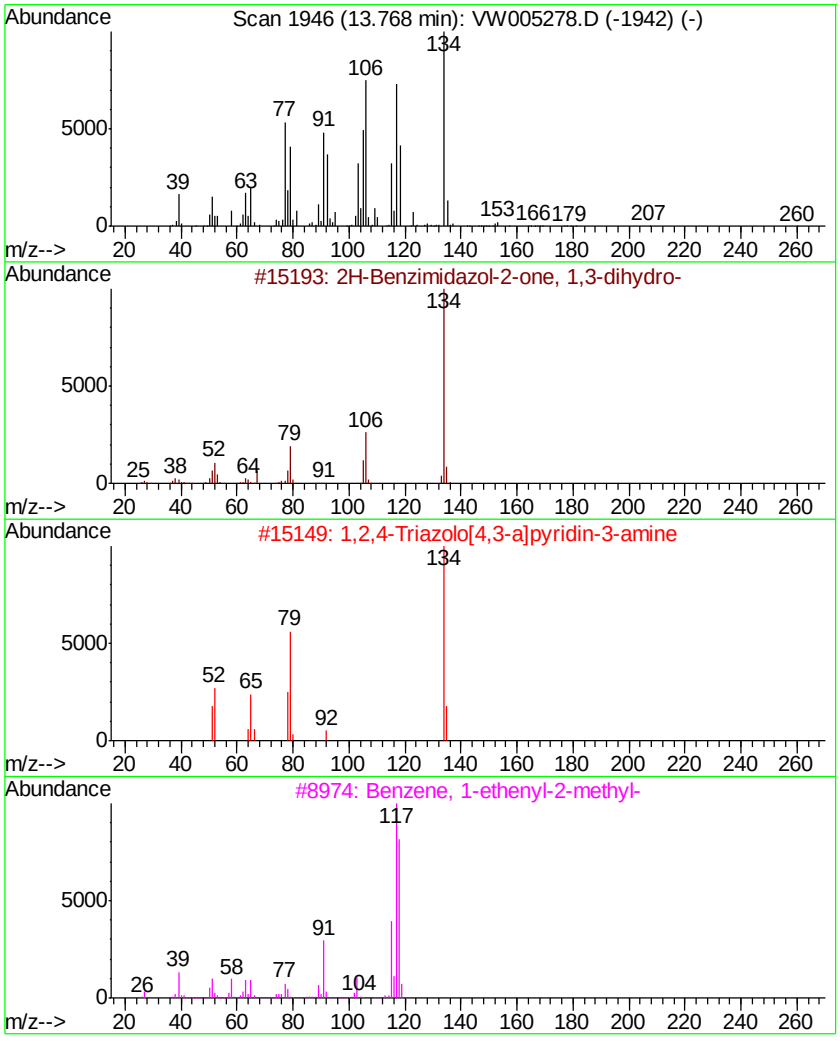
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

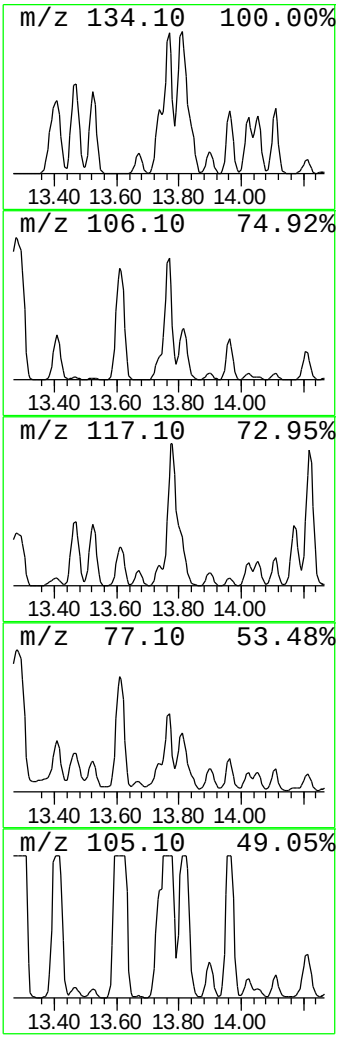
****

Peak Number 6 unknown13.77 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.77	410.54 ug/l	66064600	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Benzimidazol-2-one, 1,3-dihydro-	134	C7H6N2O	000615-16-7	45
2	1,2,4-Triazolo[4,3-a]pyridin-3-a...	134	C6H6N4	000767-62-4	30
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	25
4	4-Azaindol-2(3H)-one	134	C7H6N2O	032501-05-6	25
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	25





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ClientSampleId : EP1-SUT-4USTS-S

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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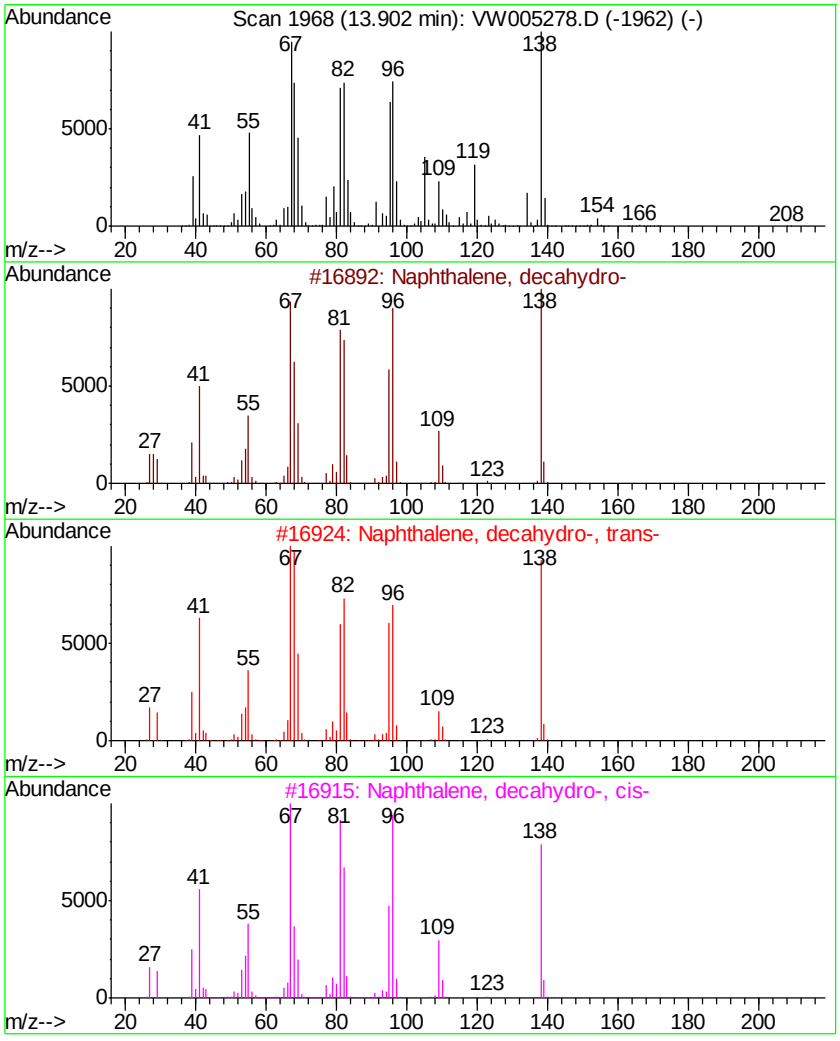
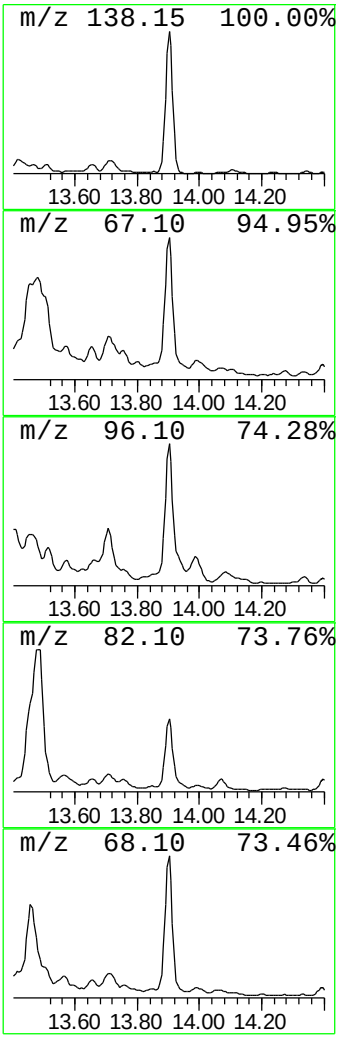
Peak Number 7 Naphthalene, decahydro- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.90	751.71 ug/l	120967000	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-	138	C10H18	000091-17-8	96
2	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	94
3	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	76
4	Spiro[4.5]decane	138	C10H18	000176-63-6	76
5	Cyclodecene, (Z)-	138	C10H18	000935-31-9	52





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091118\
Data File : VW005278.D
Acq On : 11 Sep 2018 16:19
Operator : SY/AP
Sample : J4724-16
Misc : 5.33G/5ML/MSVOA W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EP1-SUT-4USTS-S

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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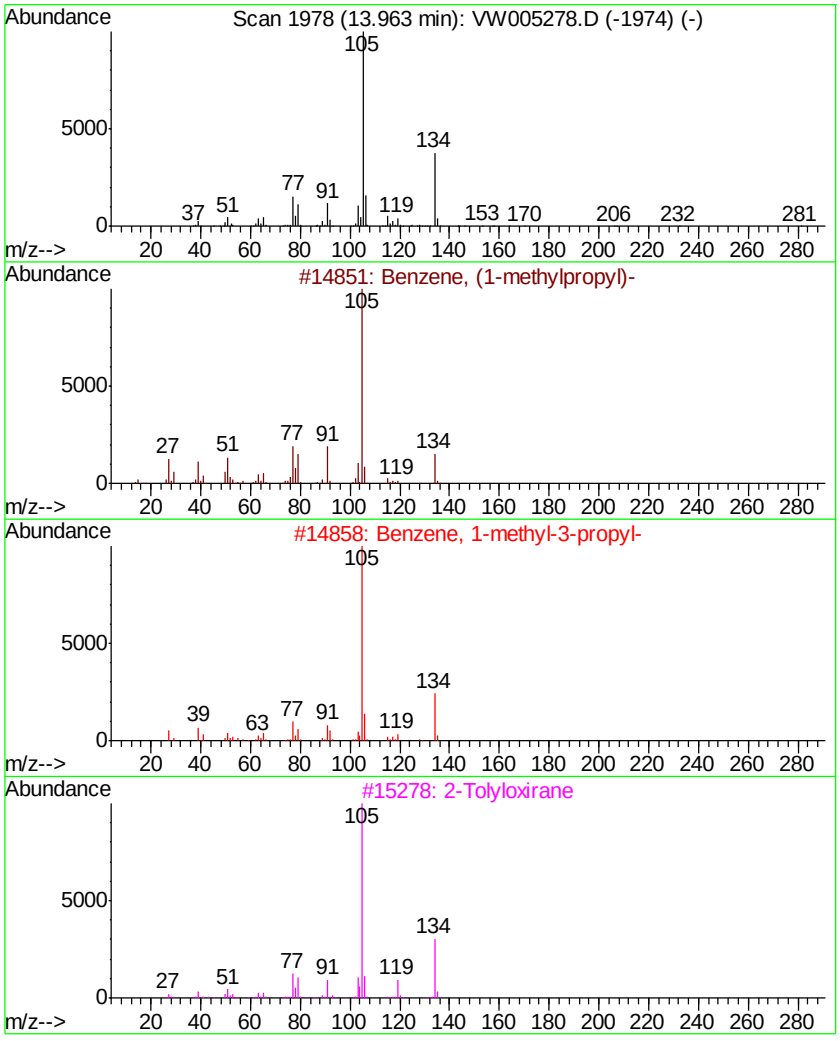
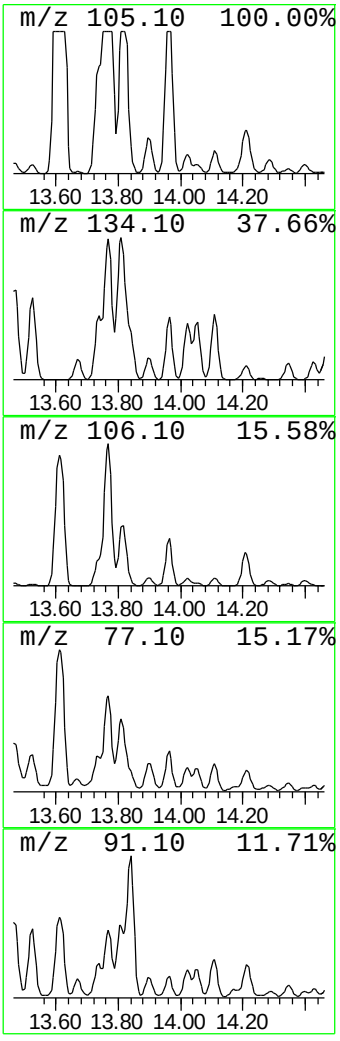
Peak Number 8 Benzene, (1-methylpropyl)- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.96	156.63 ug/l	25205300	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	91
2	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	91
3	2-Tolyloxirane	134	C9H10O	002783-26-8	90
4	Oxirane, 2-methyl-2-phenyl-	134	C9H10O	002085-88-3	86
5	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	86





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091118\
Data File : VW005278.D
Acq On : 11 Sep 2018 16:19
Operator : SY/AP
Sample : J4724-16
Misc : 5.33G/5ML/MSVOA_W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EP1-SUT-4USTS-S

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.M
Quant Title : SW846 8260

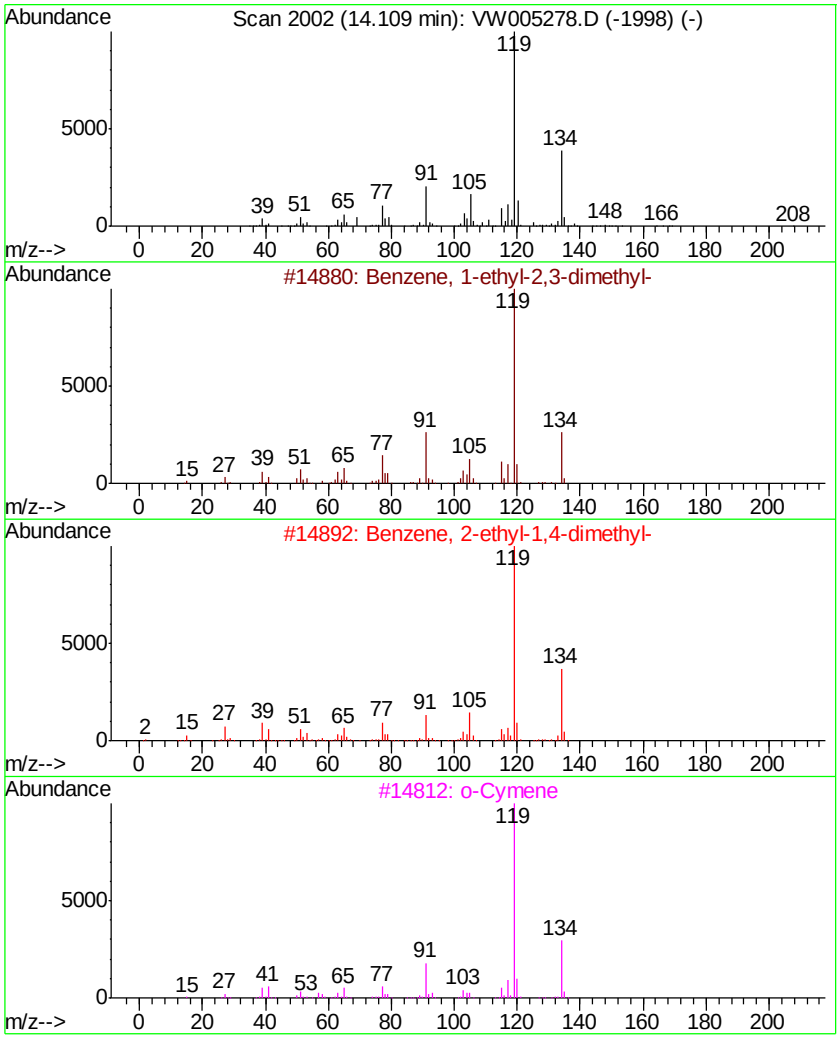
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

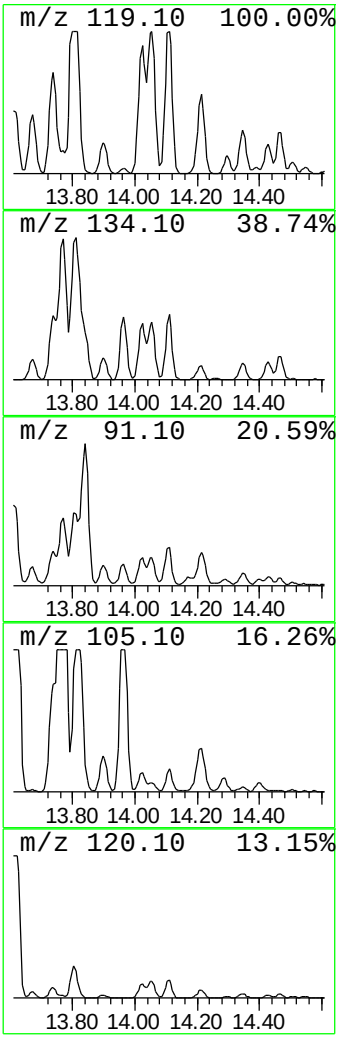
****

Peak Number 9 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.11	299.83 ug/l	48248400	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091118\
Data File : VW005278.D
Acq On : 11 Sep 2018 16:19
Operator : SY/AP
Sample : J4724-16
Misc : 5.33G/5ML/MSVOA W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EP1-SUT-4USTS-S

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.M
Quant Title : SW846 8260

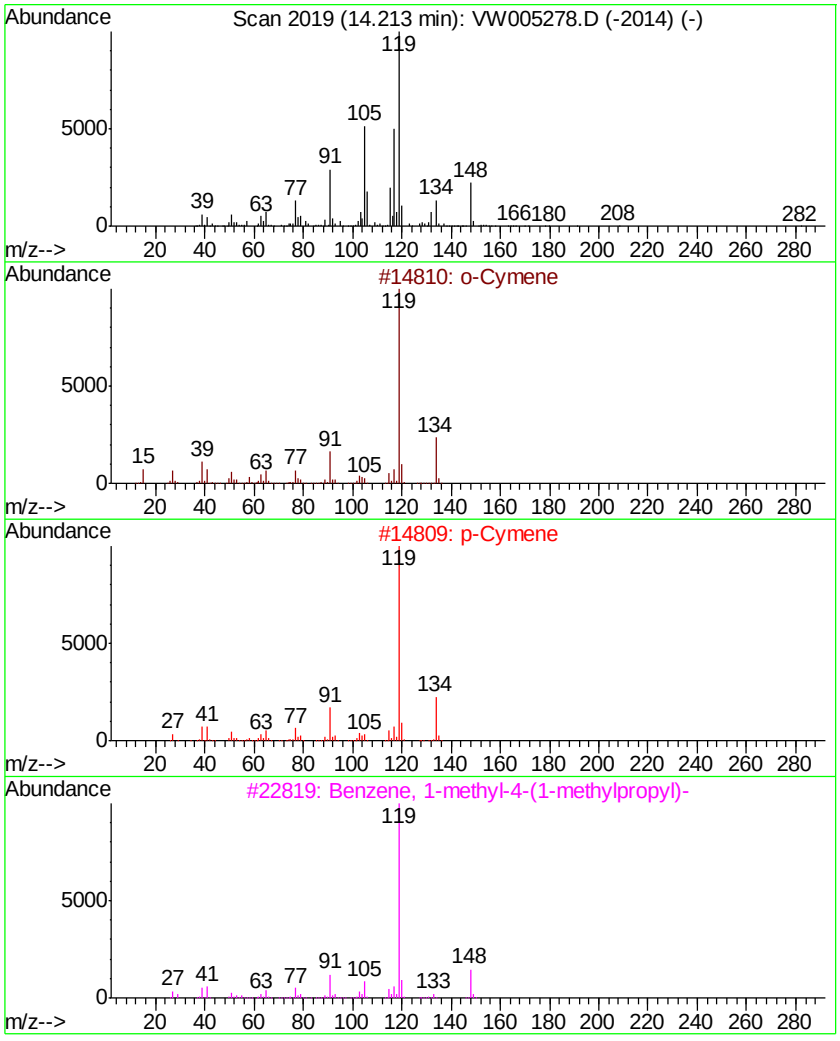
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

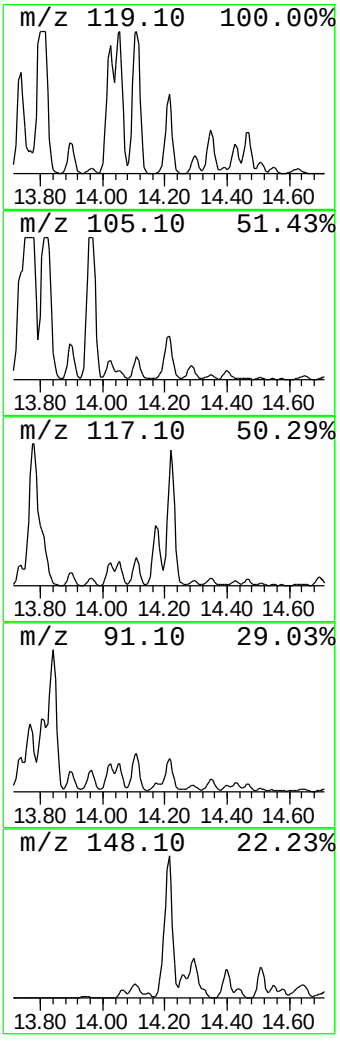
****

Peak Number 10 o-Cymene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	273.49 ug/l	44011200	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	55
2	p-Cymene	134	C10H14	000099-87-6	49
3	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	49
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	49
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	46





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091118\
Data File : VW005278.D
Acq On : 11 Sep 2018 16:19
Operator : SY/AP
Sample : J4724-16
Misc : 5.33G/5ML/MSVOA_W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EP1-SUT-4USTS-S

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown12.70	12.70	746.7	ug/l	120162000	4	13.57	8046090	50.0
unknown12.82	12.82	1759.6	ug/l	283159000	4	13.57	8046090	50.0
Benzene, 1-ethyl-...	13.12	1007.7	ug/l	162156000	4	13.57	8046090	50.0
unknown13.20	13.20	704.2	ug/l	113322000	4	13.57	8046090	50.0
Benzene, 1,3-diet...	13.73	438.2	ug/l	70515200	4	13.57	8046090	50.0
unknown13.77	13.77	410.5	ug/l	66064600	4	13.57	8046090	50.0
Naphthalene, deca...	13.90	751.7	ug/l	120967000	4	13.57	8046090	50.0
Benzene, (1-methy...	13.96	156.6	ug/l	25205300	4	13.57	8046090	50.0
Benzene, 1-ethyl-...	14.11	299.8	ug/l	48248400	4	13.57	8046090	50.0
o-Cymene	14.21	273.5	ug/l	44011200	4	13.57	8046090	50.0