LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112019\
Data File : VY000753.D
Acq On : 20 Nov 2019 15:48
Operator : SY/MD
Sample : K5957-10
Misc : 4.95G/5ML/MSVOA Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : MW-4-(16-18)

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_Y\METHODS\82Y103019S.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	7.803	974	995	1005	rBV6	945188	4151025	3.07%	0.241%
2	8.029	1022	1032	1048	rBV2	480498	2252914	1.66%	0.131%
3	8.364	1065	1087	1093	rBV4	651169	3702505	2.74%	0.215%
4	8.431	1095	1098	1118	rVB3	579563	2079885	1.54%	0.121%
5	9.205	1210	1225	1250	rBV2	6622242	32080221	23.70%	1.865%
6	9.480	1263	1270	1286	rVB4	778759	3143785	2.32%	0.183%
7	9.626	1286	1294	1311	rBV4	1088922	4711721	3.48%	0.274%
8	9.778	1311	1319	1320	rBV2	729047	1487305	1.10%	0.086%
9	9.858	1321	1332	1344	rBV4	4641187	24229717	17.90%	1.409%
10	9.980	1346	1352	1378	rVB4	3913347	22272055	16.46%	1.295%
11	10.224	1379	1392	1409	rBV3	9833498	60728520	44.87%	3.531%
12	10.376	1410	1417	1432	rVB3	3071125	13219848	9.77%	0.769%
13	10.541	1434	1444	1454	rBV2	7467864	31944606	23.60%	1.857%
14	10.839	1483	1493	1503	rBV2	8616061	45017657	33.26%	2.617%
15	10.973	1503	1515	1519	rBV3	7093679	27403393	20.25%	1.593%
16	11.053	1522	1528	1529	rBV5	13947295	24844676	18.36%	1.444%
17	11.108	1532	1537	1542	rBV5	13128874	36421876	26.91%	2.118%
18	11.223	1551	1556	1557	rBV4	10835199	17582683	12.99%	1.022%
19	11.431	1581	1590	1603	rVB3	27549162	114913709	84.91%	6.681%
20	11.632	1611	1623	1628	rBV3	31681939	135342690	100.00%	7.869%
21	11.748	1634	1642	1647	rBV4	15324856	55620552	41.10%	3.234%
22	12.034	1681	1689	1697	rBV5	29512622	111353273	82.28%	6.474%
23	12.248	1715	1724	1731	rBV6	19985812	99244110	73.33%	5.770%
24	12.510	1762	1767	1771	rVB3	15129636	25502726	18.84%	1.483%
25	12.583	1772	1779	1784	rBV4	22433486	60299163	44.55%	3.506%
26	12.674	1788	1794	1801	rVB3	47120478	125107325	92.44%	7.274%
27	12.754	1801	1807	1810	rBV5	44482078	106632273	78.79%	6.200%
28	12.827	1815	1819	1824	rVV3	51358064	124244368	91.80%	7.224%
29	12.875	1824	1827	1832	rVB3	20196139	31896067	23.57%	1.854%
30	12.961	1837	1841	1845	rVV4	10958869	17109968	12.64%	0.995%
31	13.004	1845	1848	1851	rVV3	5016191	7602398	5.62%	0.442%
32	13.046	1851	1855	1863	rVB3	22543271	44250528	32.70%	2.573%
33	13.138	1863	1870	1874	rBV2	44854889	102271856	75.57%	5.946%
34	13.253	1886	1889	1894	rVB3	11073356	17788775	13.14%	1.034%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112019\
Data File : VY000753.D
Acq On : 20 Nov 2019 15:48
Operator : SY/MD
Sample : K5957-10
Misc : 4.95G/5ML/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : MW-4-(16-18)

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_Y\METHODS\82Y103019S.M
Title : SW846 8260

35	13.321	1894	1900	1904	rVV3	20160864	40558815	29.97%	2.358%
36	13.369	1904	1908	1917	rVB3	10510883	23089560	17.06%	1.342%
37	13.461	1917	1923	1928	rBV	26825154	42285207	31.24%	2.458%
38	13.589	1937	1944	1946	rBV4	2703272	6741292	4.98%	0.392%
39	13.625	1946	1950	1953	rVV2	10670266	16289045	12.04%	0.947%
40	13.668	1953	1957	1965	rVB4	7826549	18099784	13.37%	1.052%
41	13.747	1965	1970	1975	rBV2	8521979	13969621	10.32%	0.812%
42	13.820	1979	1982	1988	rVB	2064539	2721674	2.01%	0.158%
43	13.881	1988	1992	1995	rBV	2166455	2941340	2.17%	0.171%
44	13.912	1995	1997	2002	rVB	2733534	3487256	2.58%	0.203%
45	13.967	2002	2006	2011	rVB	3212649	5026384	3.71%	0.292%
46	14.076	2019	2024	2029	rVB2	3263518	5177041	3.83%	0.301%
47	14.131	2029	2033	2040	rVB7	693986	1719880	1.27%	0.100%
48	14.211	2040	2046	2050	rBV2	864635	1440919	1.06%	0.084%

Sum of corrected areas: 1720001991

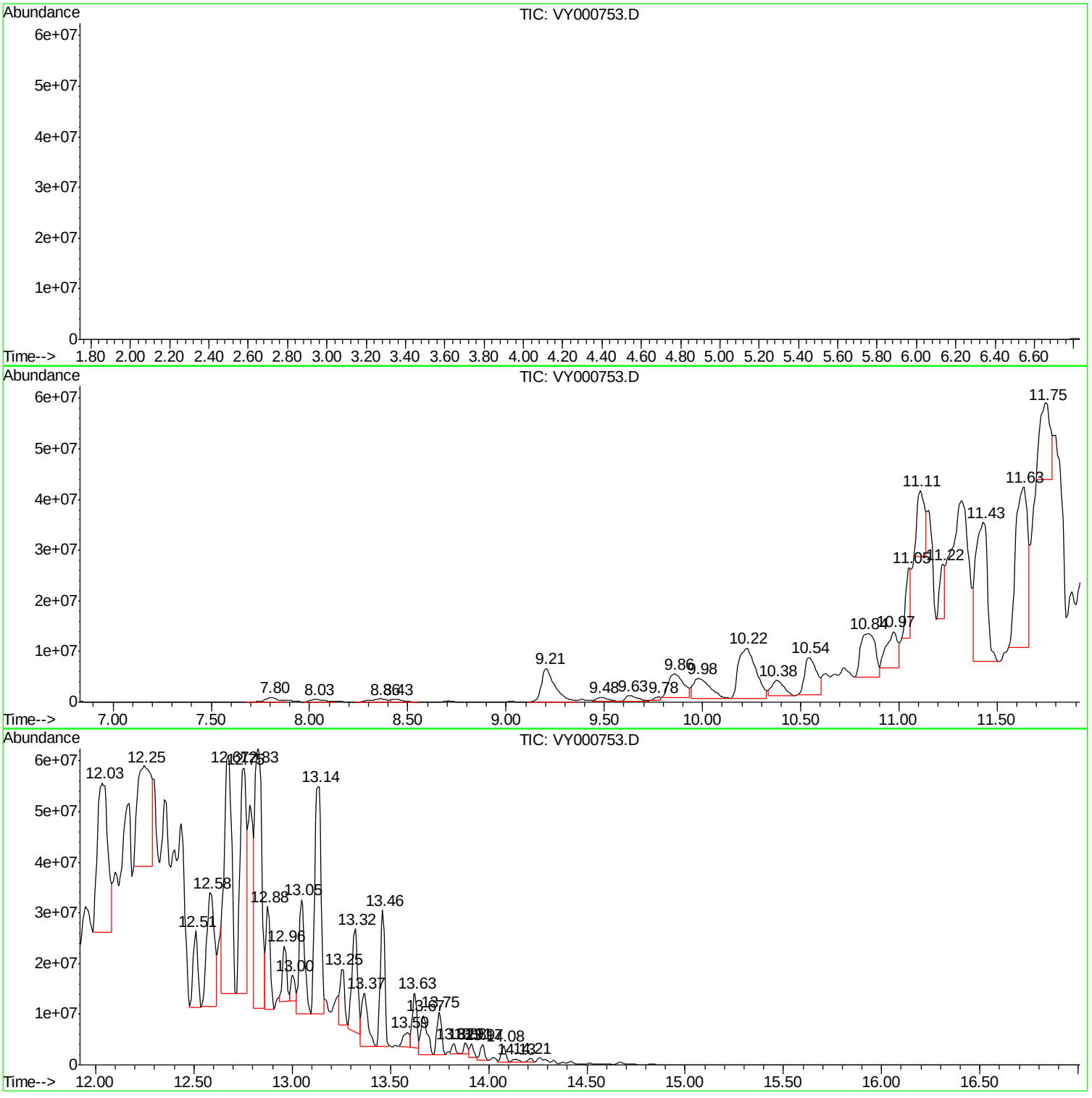
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY112019\
Data File : VY000753.D
Acq On : 20 Nov 2019 15:48
Operator : SY/MD
Sample : K5957-10
Misc : 4.95G/5ML/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MW-4-(16-18)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.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_Y\DATA\VY112019\
Data File : VY000753.D
Acq On : 20 Nov 2019 15:48
Operator : SY/MD
Sample : K5957-10
Misc : 4.95G/5ML/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : MW-4-(16-18)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
Quant Title : SW846 8260

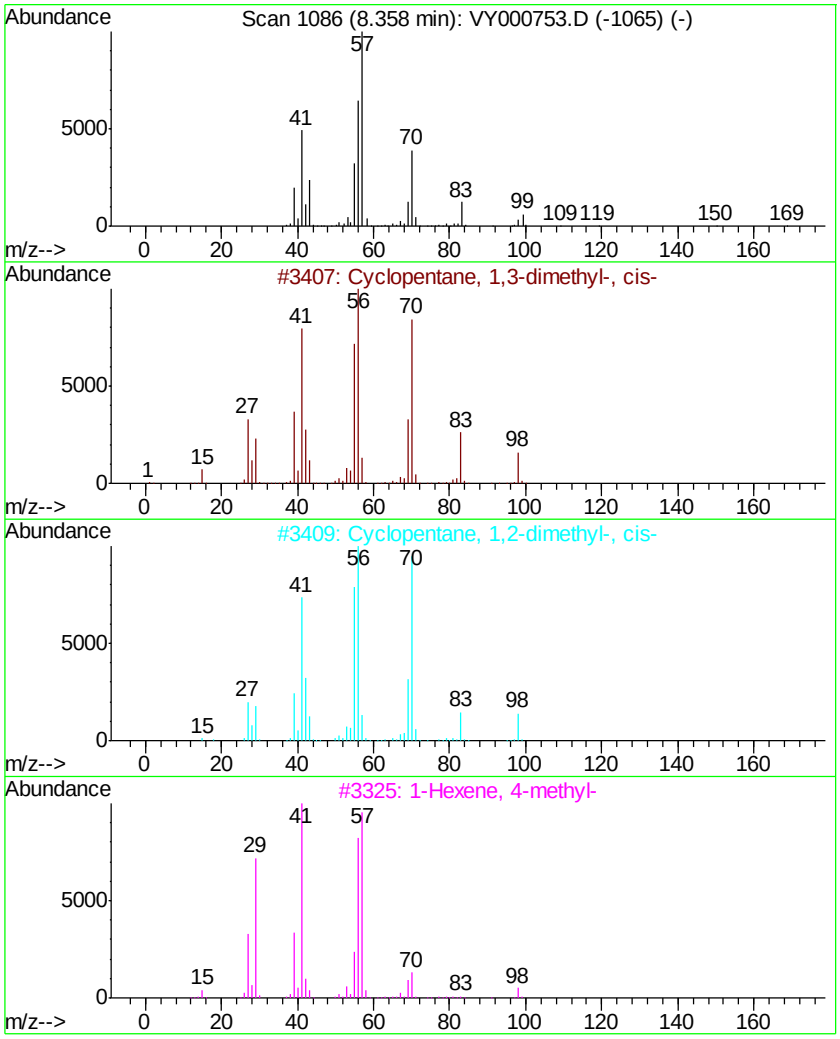
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

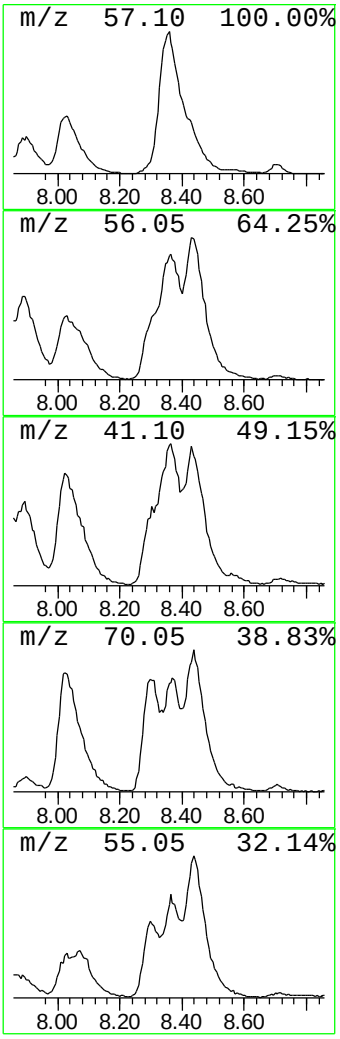
****

Peak Number 1 Cyclopentane, 1,3-dimethyl-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.36	89.01 ug/l	3702510	1,4-Difluorobenzene	8.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	64
2	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	53
3	1-Hexene, 4-methyl-	98	C7H14	003769-23-1	50
4	1-Heptene, 2,6-dimethyl-	126	C9H18	003074-78-0	47
5	2-Hexene, 3,5,5-trimethyl-	126	C9H18	026456-76-8	47





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY112019\
Data File : VY000753.D
Acq On : 20 Nov 2019 15:48
Operator : SY/MD
Sample : K5957-10
Misc : 4.95G/5ML/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : MW-4-(16-18)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
Quant Title : SW846 8260

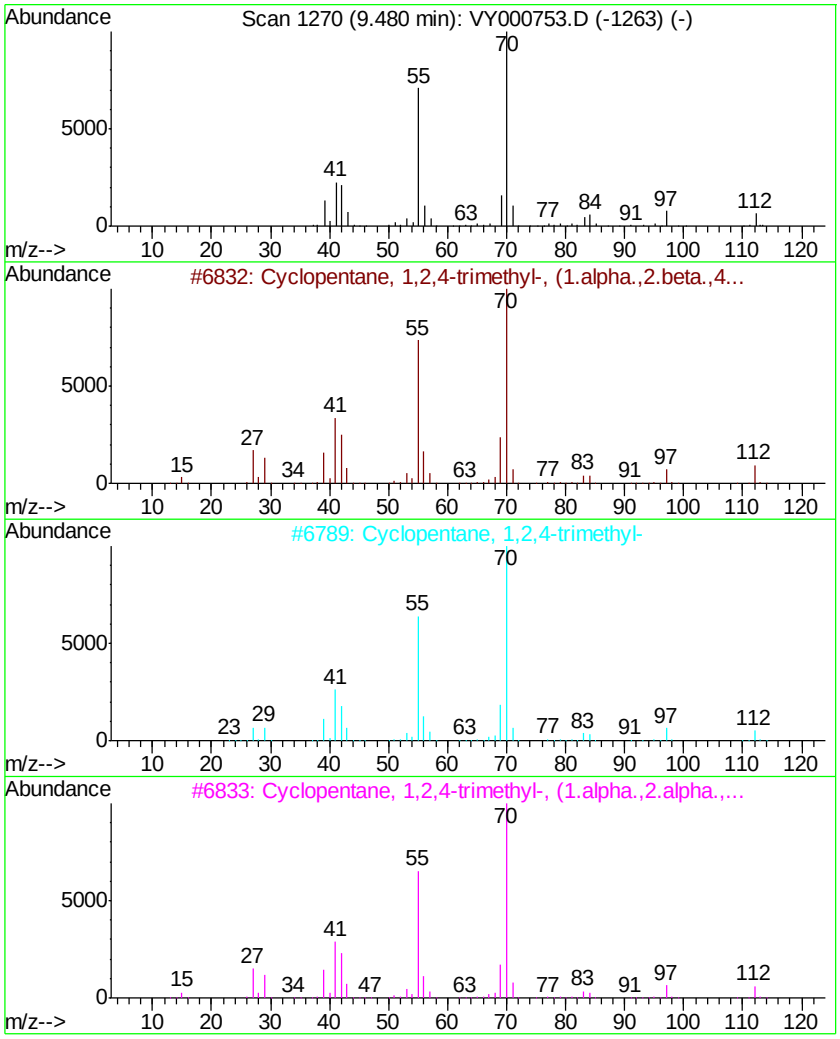
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

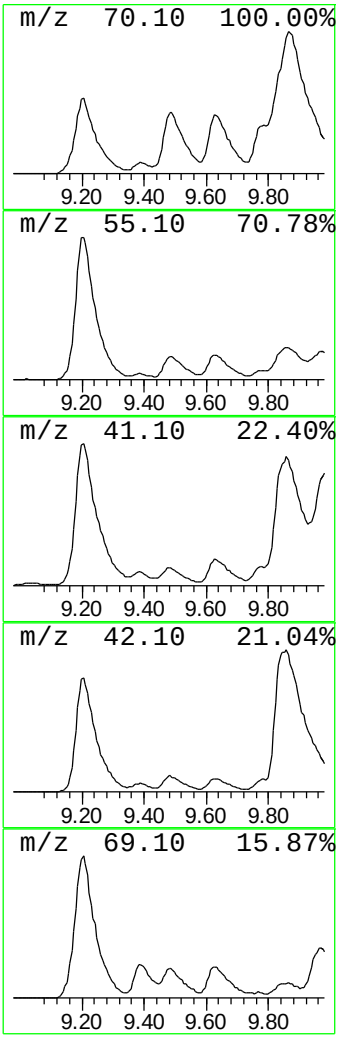
****

Peak Number 2 Cyclopentane, 1,2,4-trimeth... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.48	75.58 ug/l	3143790	1,4-Difluorobenzene	8.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	94
2	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	91
3	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	91
4	Hexane, 2-methyl-4-methylene-	112	C8H16	003404-80-6	72
5	Heptane, 3-methylene-	112	C8H16	001632-16-2	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY112019\
Data File : VY000753.D
Acq On : 20 Nov 2019 15:48
Operator : SY/MD
Sample : K5957-10
Misc : 4.95G/5ML/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : MW-4-(16-18)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
Quant Title : SW846 8260

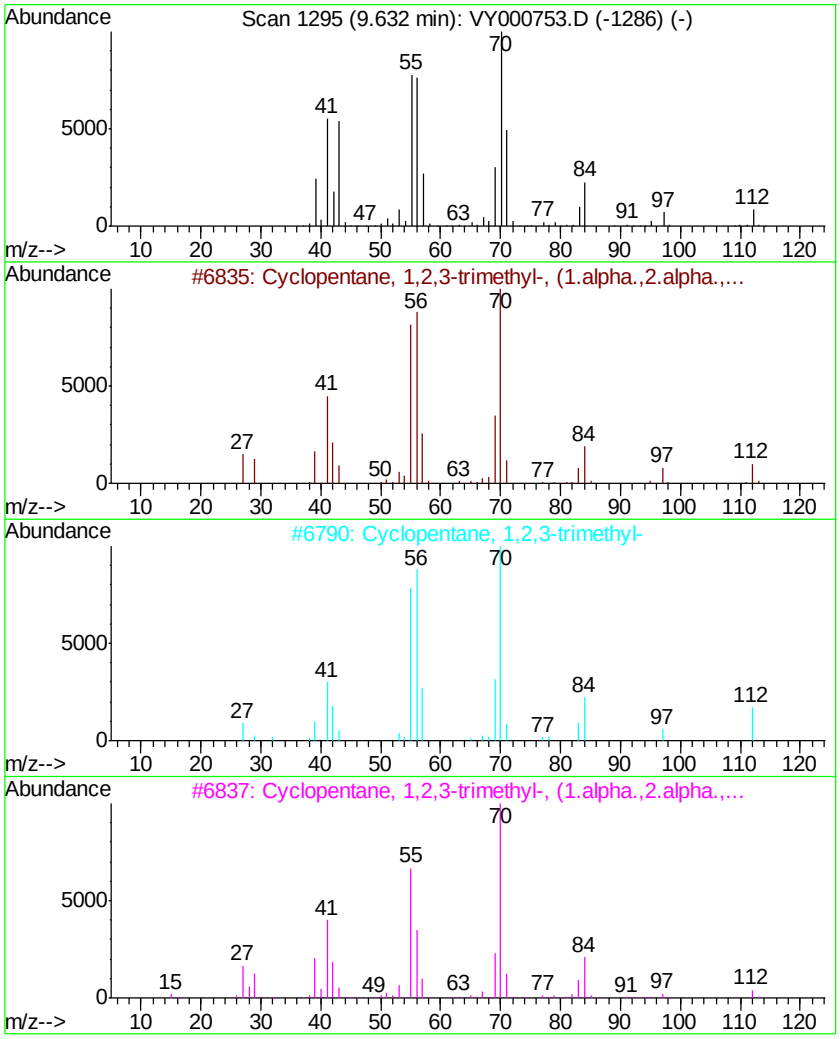
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

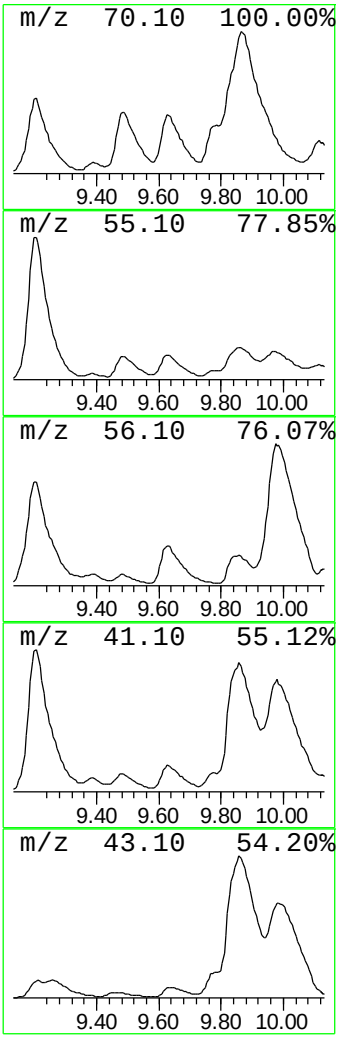
****

Peak Number 3 Cyclopentane, 1,2,3-trimeth... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.63	113.27 ug/l	4711720	1,4-Difluorobenzene	8.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	90
2	Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	87
3	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	53
4	1-Heptene, 6-methyl-	112	C8H16	005026-76-6	46
5	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	46





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY112019\
Data File : VY000753.D
Acq On : 20 Nov 2019 15:48
Operator : SY/MD
Sample : K5957-10
Misc : 4.95G/5ML/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : MW-4-(16-18)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
Quant Title : SW846 8260

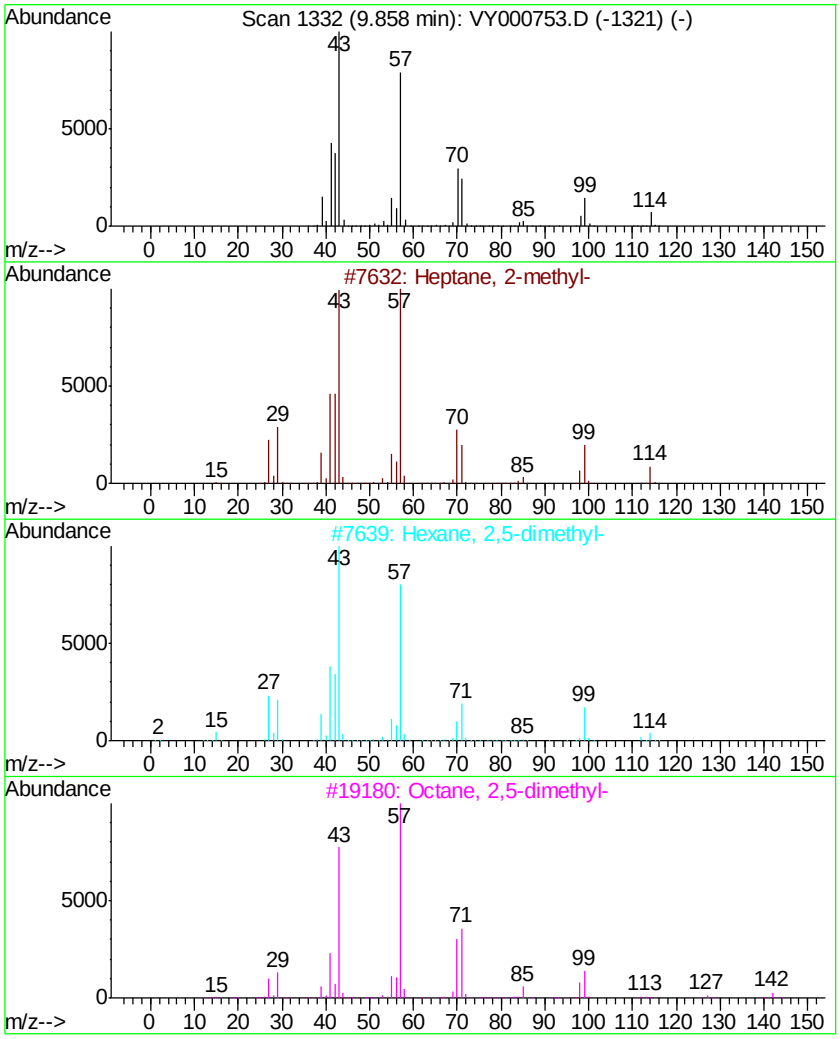
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

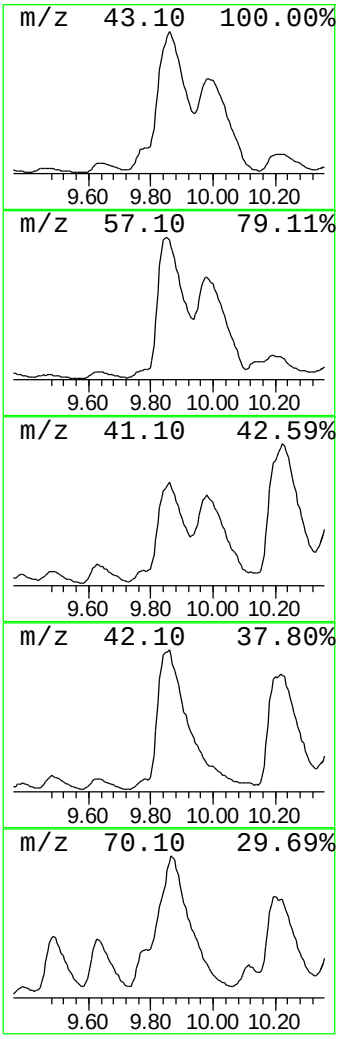
****

Peak Number 4 Heptane, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.86	582.48 ug/l	24229700	1,4-Difluorobenzene	8.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	94
2	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	74
3	Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	50
4	Butane, 1-(ethenyloxy)-3-methyl-	114	C7H14O	039782-38-2	47
5	Butane, 1-chloro-3-methyl-	106	C5H11Cl	000107-84-6	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY112019\
Data File : VY000753.D
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Operator : SY/MD
Sample : K5957-10
Misc : 4.95G/5ML/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : MW-4-(16-18)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
Quant Title : SW846 8260

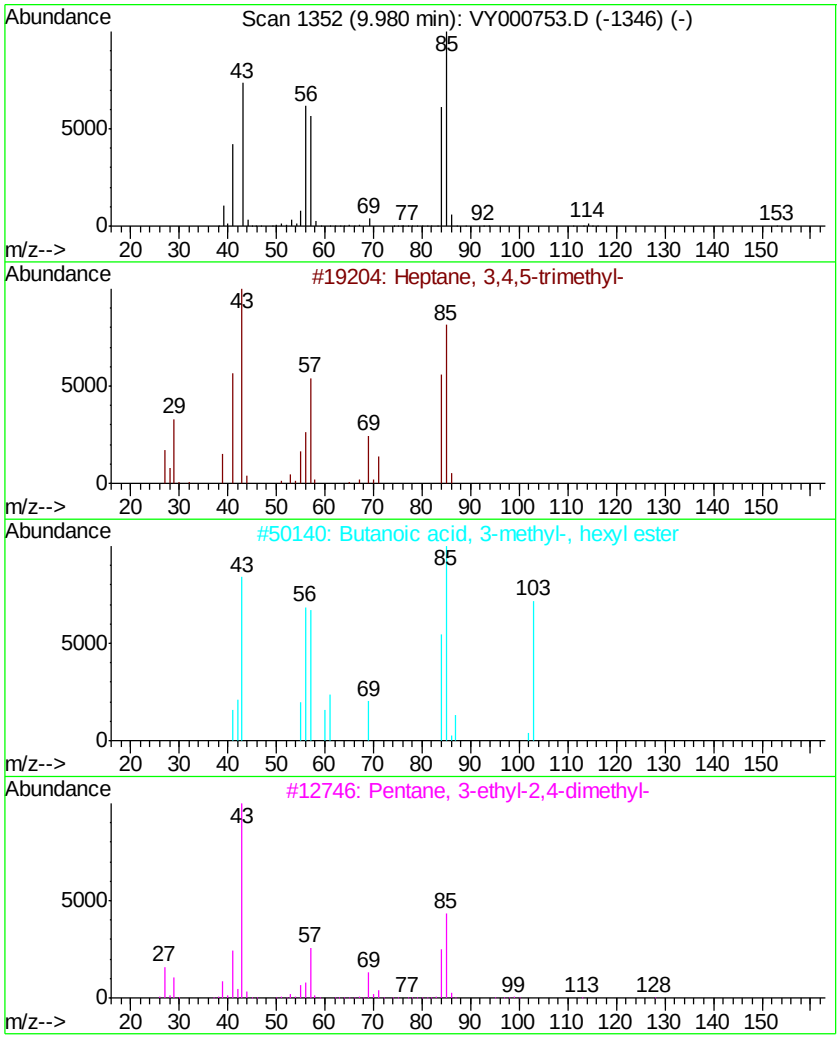
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

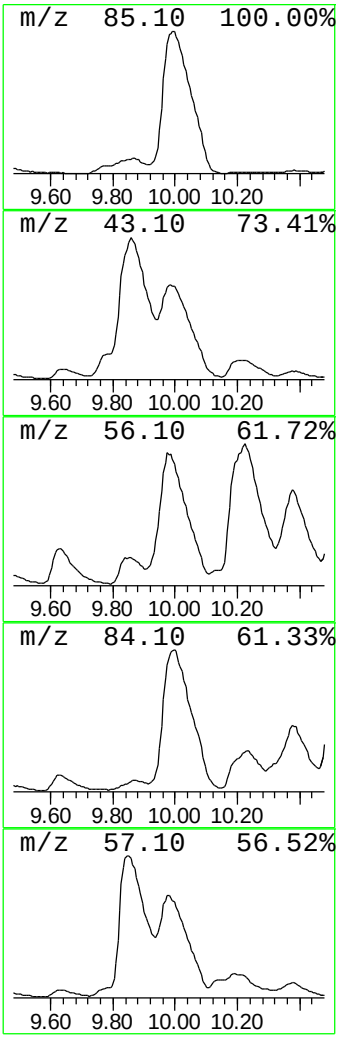
****

Peak Number 5 Heptane, 3,4,5-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.98	535.42 ug/l	22272100	1,4-Difluorobenzene	8.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	72
2	Butanoic acid, 3-methyl-, hexyl ...	186	C11H22O2	010032-13-0	64
3	Pentane, 3-ethyl-2,4-dimethyl-	128	C9H20	001068-87-7	64
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	59
5	Pentane, 2,3,3,4-tetramethyl-	128	C9H20	016747-38-9	53





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Sample : K5957-10
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ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : MW-4-(16-18)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
Quant Title : SW846 8260

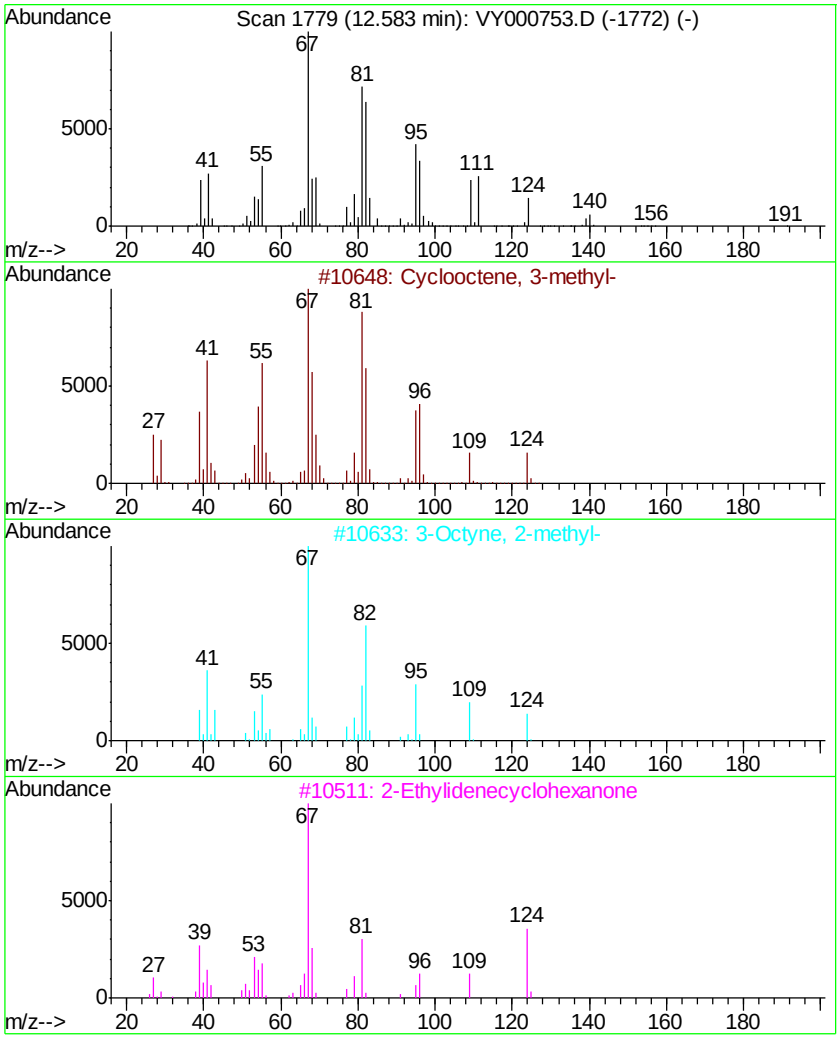
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

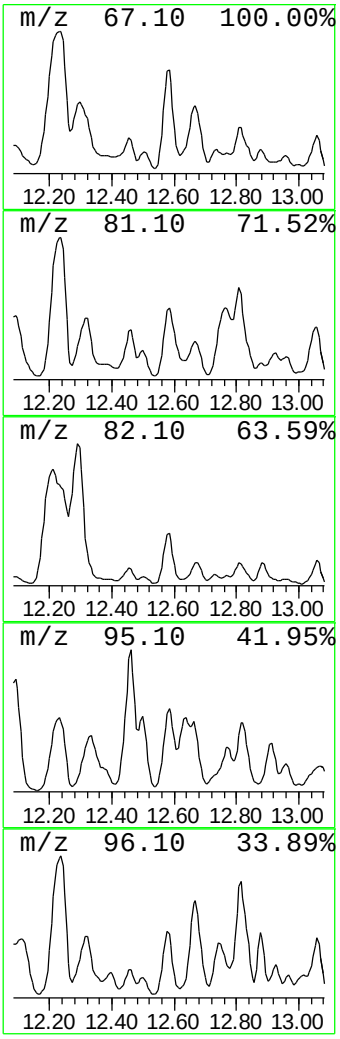
****

Peak Number 6 Cyclooctene, 3-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.58	130.58 ug/l	60299200	1,4-Dichlorobenzene-d4	13.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclooctene, 3-methyl-	124	C9H16	013152-05-1	89
2	3-Octyne, 2-methyl-	124	C9H16	055402-15-8	76
3	2-Ethylidenecyclohexanone	124	C8H12O	001122-24-3	46
4	1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	43
5	Bicyclo[2.2.1]heptane, 2-ethyl-	124	C9H16	002146-41-0	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY112019\
Data File : VY000753.D
Acq On : 20 Nov 2019 15:48
Operator : SY/MD
Sample : K5957-10
Misc : 4.95G/5ML/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : MW-4-(16-18)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
Quant Title : SW846 8260

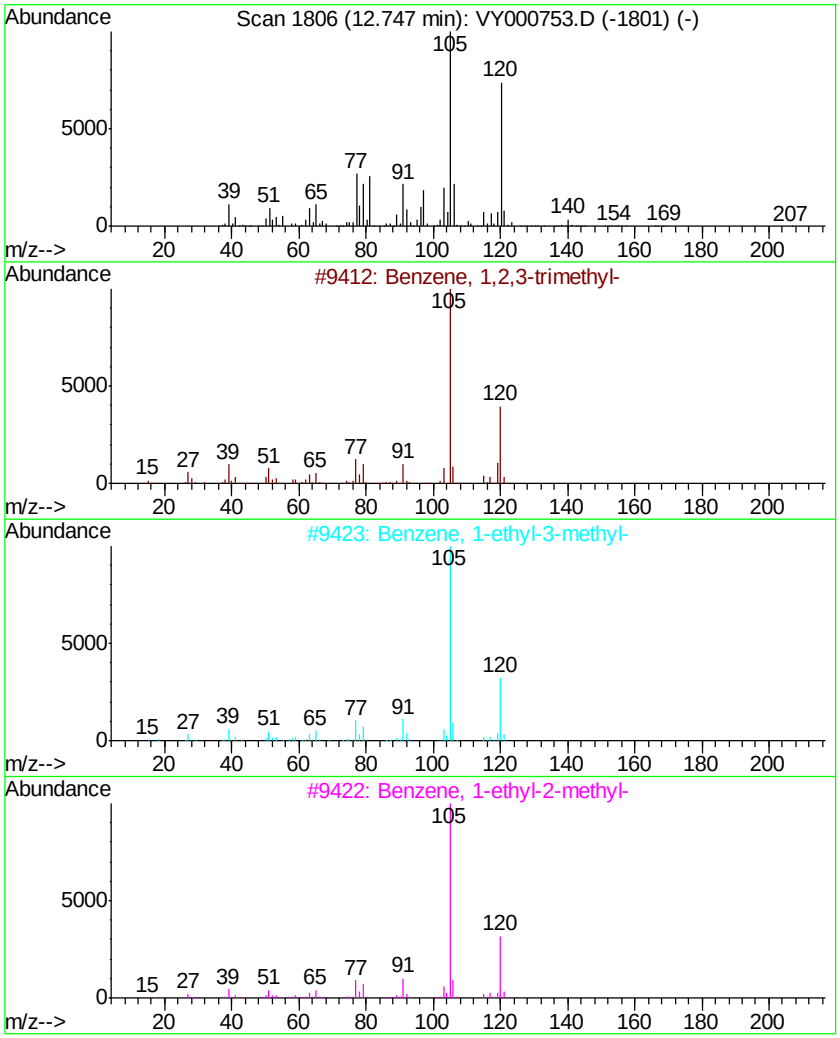
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

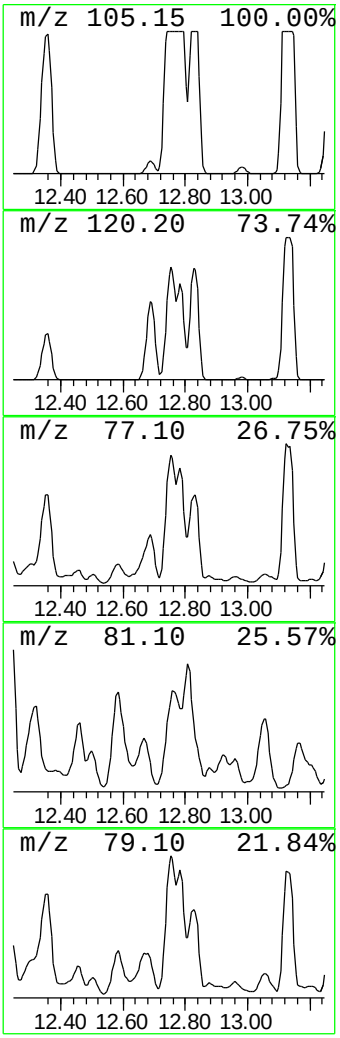
****

Peak Number 7 Benzene, 1,2,3-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.75	230.91 ug/l	106632000	1,4-Dichlorobenzene-d4	13.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	81
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	76
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	76
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	64
5	1,3-Cyclopentadiene, 5-(1-methyl...	120	C9H12	003141-02-4	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY112019\
Data File : VY000753.D
Acq On : 20 Nov 2019 15:48
Operator : SY/MD
Sample : K5957-10
Misc : 4.95G/5ML/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : MW-4-(16-18)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
Quant Title : SW846 8260

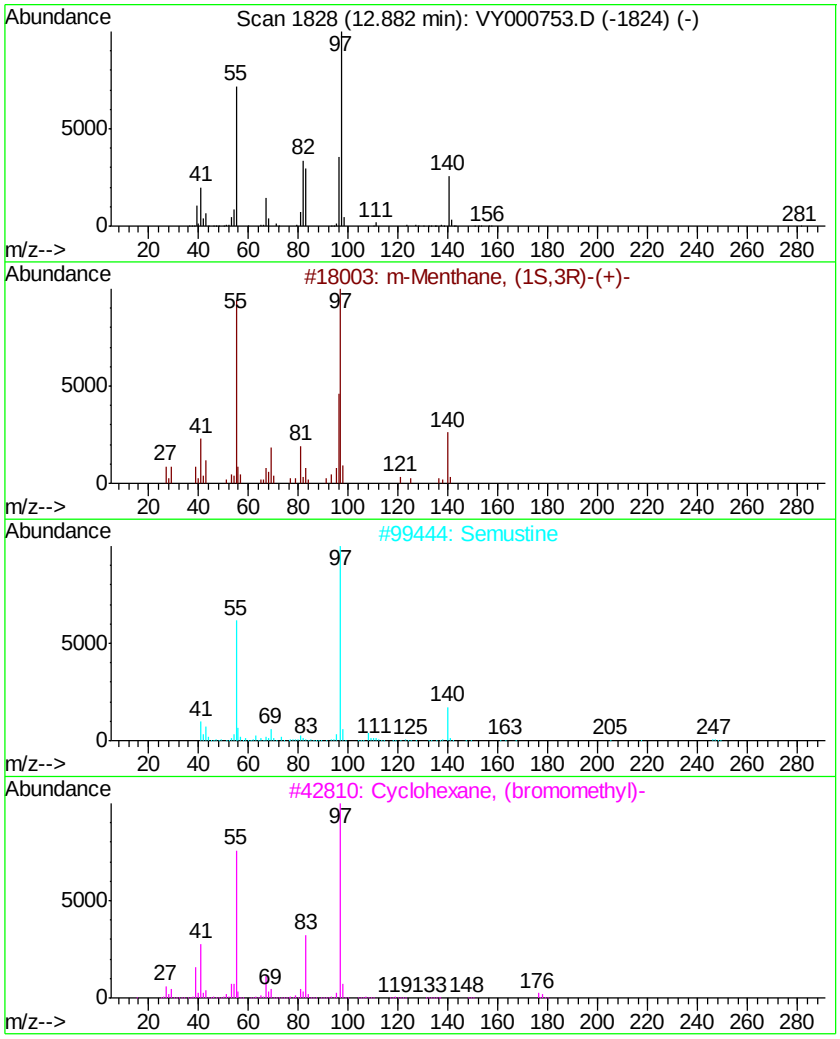
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

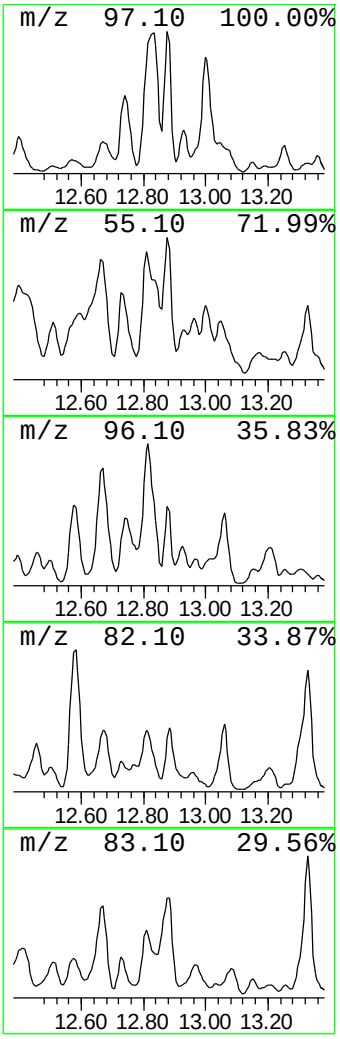
****

Peak Number 8 m-Menthane, (1S,3R)-(+)- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.88	69.07 ug/l	31896100	1,4-Dichlorobenzene-d4	13.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	m-Menthane, (1S,3R)-(+)-	140	C10H20	013837-66-6	64
2	Semustine	247	C10H18ClN3O2	013909-09-6	50
3	Cyclohexane, (bromomethyl)-	176	C7H13Br	002550-36-9	50
4	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	50
5	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY112019\
Data File : VY000753.D
Acq On : 20 Nov 2019 15:48
Operator : SY/MD
Sample : K5957-10
Misc : 4.95G/5ML/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : MW-4-(16-18)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
Quant Title : SW846 8260

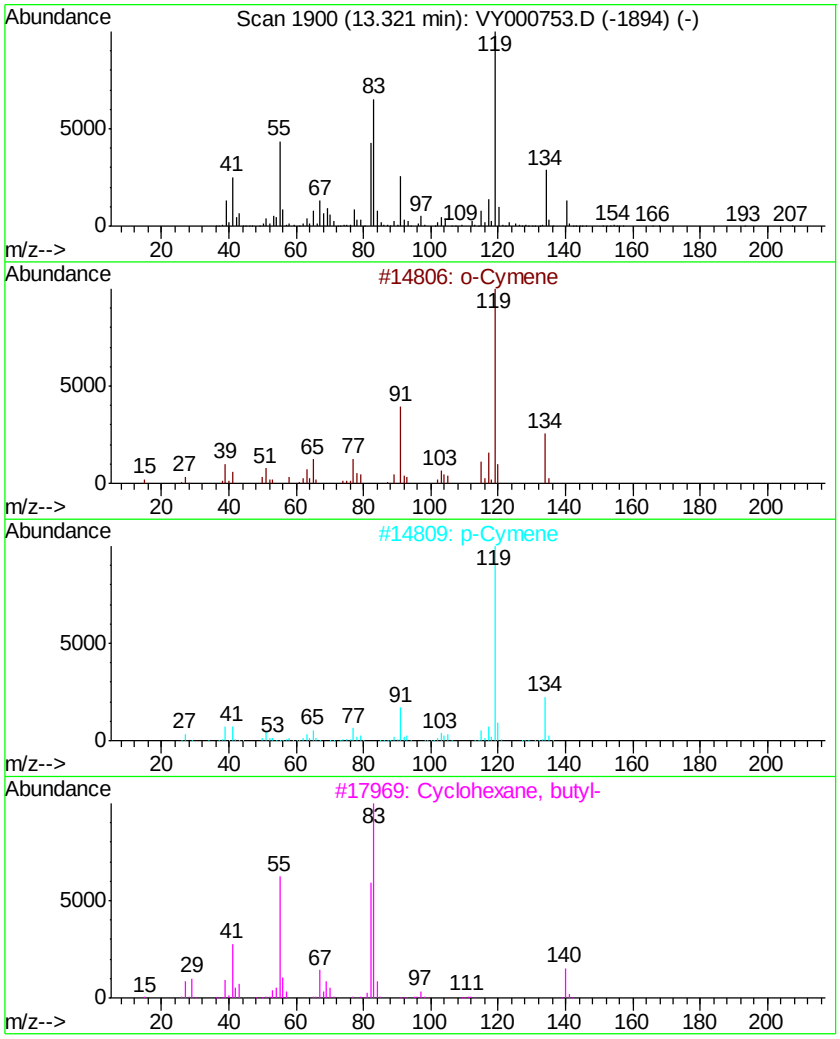
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

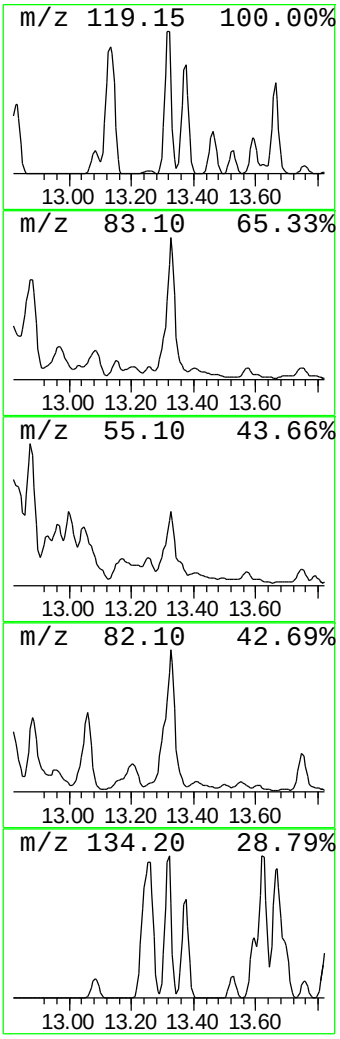
****

Peak Number 9 o-Cymene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.32	87.83 ug/l	40558800	1,4-Dichlorobenzene-d4	13.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	90
2	p-Cymene	134	C10H14	000099-87-6	87
3	Cyclohexane, butyl-	140	C10H20	001678-93-9	80
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	70
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	55





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY112019\
Data File : VY000753.D
Acq On : 20 Nov 2019 15:48
Operator : SY/MD
Sample : K5957-10
Misc : 4.95G/5ML/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : MW-4-(16-18)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.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
Cyclopentane, 1,3...	8.36	89.0	ug/l	3702510	2	8.71	2079890	50.0
Cyclopentane, 1,2...	9.48	75.6	ug/l	3143790	2	8.71	2079890	50.0
Cyclopentane, 1,2...	9.63	113.3	ug/l	4711720	2	8.71	2079890	50.0
Heptane, 2-methyl-	9.86	582.5	ug/l	24229700	2	8.71	2079890	50.0
Heptane, 3,4,5-tr...	9.98	535.4	ug/l	22272100	2	8.71	2079890	50.0
Cyclooctene, 3-me...	12.58	130.6	ug/l	60299200	4	13.41	23089600	50.0
Benzene, 1,2,3-tr...	12.75	230.9	ug/l	106632000	4	13.41	23089600	50.0
m-Menthane, (1S,3...	12.88	69.1	ug/l	31896100	4	13.41	23089600	50.0
o-Cymene	13.32	87.8	ug/l	40558800	4	13.41	23089600	50.0