LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112019\
Data File : VD064315.D
Acq On : 20 Nov 2019 16:15
Operator : VA/SY
Sample : K5957-02
Misc : 6.05G/5.00ml/MSVOA D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : MW-1-(17-20)

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_D\METHOD\82D110819S.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	5.020	502	527	566	rVB2	971416	6401725	2.53%	0.275%
2	5.497	591	608	644	rBV2	692929	3514437	1.39%	0.151%
3	7.044	861	871	894	rVB	1749304	7641763	3.02%	0.329%
4	7.991	1010	1032	1042	rBV4	4563406	20154513	7.97%	0.867%
5	8.073	1043	1046	1059	rVV3	1879099	5994506	2.37%	0.258%
6	8.203	1059	1068	1088	rVV2	3393043	14973105	5.92%	0.644%
7	8.479	1103	1115	1117	rBV3	2508909	6247673	2.47%	0.269%
8	8.614	1133	1138	1154	rVB	3540223	11622820	4.60%	0.500%
9	8.873	1174	1182	1214	rVB2	962538	2782596	1.10%	0.120%
10	9.185	1228	1235	1251	rVB	747667	2679164	1.06%	0.115%
11	9.367	1251	1266	1291	rBV2	27707806	123729319	48.94%	5.321%
12	9.550	1291	1297	1303	rBV	1301217	3090353	1.22%	0.133%
13	9.644	1304	1313	1329	rVB3	4770637	18718910	7.40%	0.805%
14	9.791	1329	1338	1354	rBV2	6109085	22299650	8.82%	0.959%
15	9.938	1354	1363	1365	rBV	4864221	11129183	4.40%	0.479%
16	10.014	1366	1376	1388	rVV4	14816921	71214156	28.17%	3.063%
17	10.138	1388	1397	1415	rVB2	18576586	80241568	31.74%	3.451%
18	10.361	1425	1435	1436	rBV3	44430781	97390239	38.52%	4.188%
19	10.532	1456	1464	1478	rVB3	18624708	70644175	27.94%	3.038%
20	10.697	1479	1492	1502	rBV2	41809961	158272427	62.60%	6.807%
21	10.791	1503	1508	1511	rBV2	13258572	27397001	10.84%	1.178%
22	10.879	1519	1523	1532	rVB4	10026426	21629167	8.55%	0.930%
23	10.979	1532	1540	1551	rBV3	46254612	217809280	86.15%	9.367%
24	11.208	1574	1579	1582	rBV7	33336512	74331594	29.40%	3.197%
25	13.338	1938	1941	1944	rVB5	68986120	76690490	30.33%	3.298%
26	13.479	1961	1965	1970	rBV6	62037792	150521773	59.53%	6.473%
27	13.626	1986	1990	1995	rVB2	47426028	71685705	28.35%	3.083%
28	13.679	1996	1999	2003	rVV3	22182932	31002000	12.26%	1.333%
29	13.744	2004	2010	2015	rVV4	72631805	134014823	53.00%	5.764%
30	13.791	2015	2018	2022	rVV2	24802256	37943344	15.01%	1.632%
31	13.838	2022	2026	2034	rVB4	56789994	149712051	59.21%	6.439%
32	13.914	2034	2039	2050	rVB3	121121896	252837599	100.00%	10.874%
33	14.038	2051	2060	2063	rBV6	39715086	86958330	34.39%	3.740%
34	14.126	2071	2075	2082	rVB	42949218	70486779	27.88%	3.031%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112019\
Data File : VD064315.D
Acq On : 20 Nov 2019 16:15
Operator : VA/SY
Sample : K5957-02
Misc : 6.05G/5.00ml/MSVOA D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : MW-1-(17-20)

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_D\METHOD\82D110819S.M
Title : SW846 8260

35	14.191	2082	2086	2089	rVV	11834100	18953456	7.50%	0.815%
36	14.238	2089	2094	2099	rVB2	30662292	53844749	21.30%	2.316%
37	14.296	2099	2104	2110	rVB6	12059756	25123028	9.94%	1.080%
38	14.367	2110	2116	2120	rBV4	7739387	13096677	5.18%	0.563%
39	14.414	2120	2124	2127	rVV2	11940655	17696094	7.00%	0.761%
40	14.449	2127	2130	2133	rVV	10729805	15294513	6.05%	0.658%
41	14.485	2133	2136	2140	rVB	8482567	11826312	4.68%	0.509%
42	14.579	2147	2152	2158	rVB4	4718588	8429300	3.33%	0.363%
43	14.720	2172	2176	2181	rBV3	1515203	2993048	1.18%	0.129%
44	14.826	2188	2194	2201	rBV3	4949283	10400481	4.11%	0.447%
45	14.991	2216	2222	2227	rBV	1974571	3102568	1.23%	0.133%
46	15.408	2286	2293	2306	rVB	1444328	2705695	1.07%	0.116%

Sum of corrected areas: 2325228139

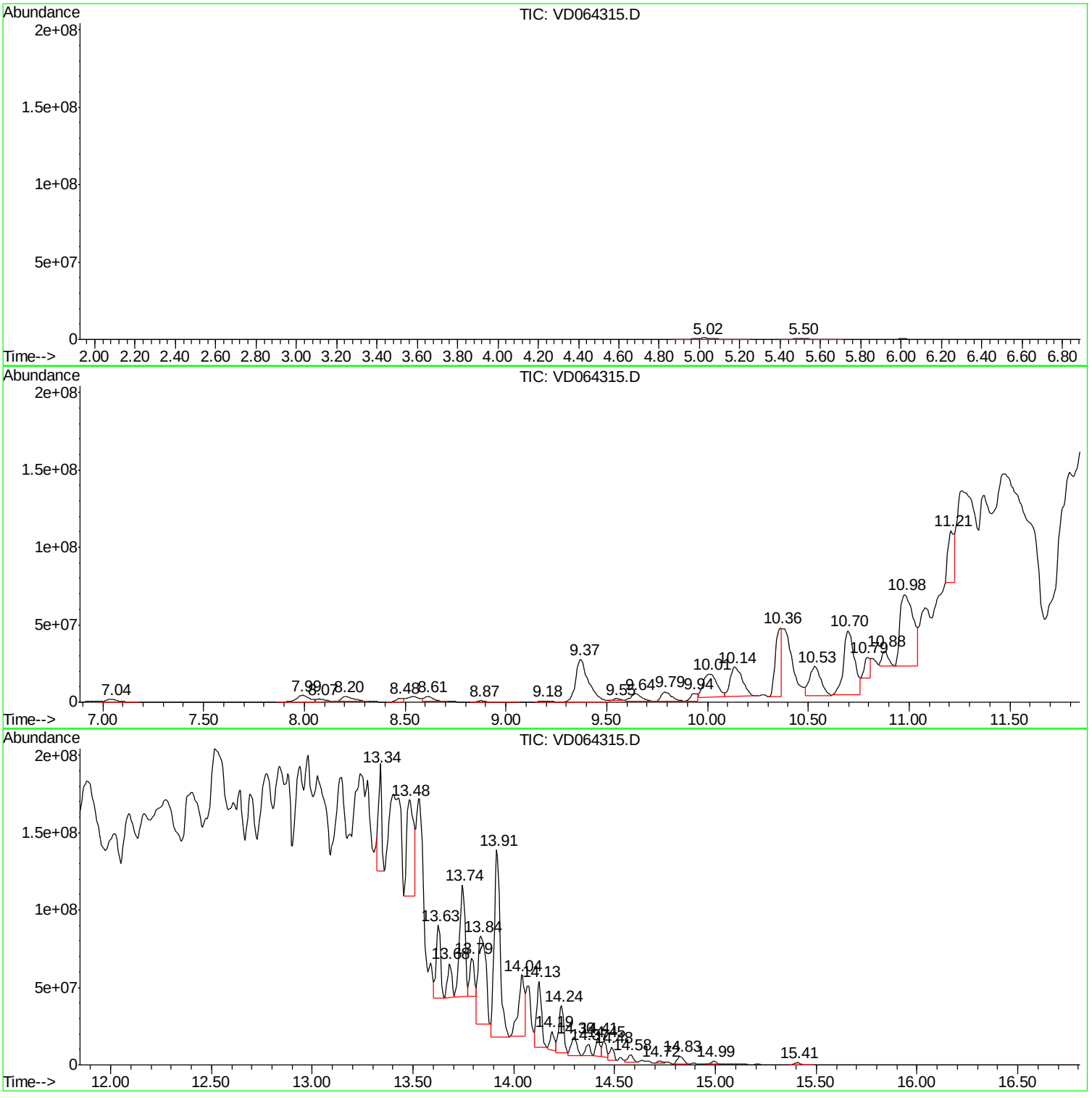
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112019\
Data File : VD064315.D
Acq On : 20 Nov 2019 16:15
Operator : VA/SY
Sample : K5957-02
Misc : 6.05G/5.00ml/MSVOA D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
MW-1-(17-20)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.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 D\DATA\VD112019\
Data File : VD064315.D
Acq On : 20 Nov 2019 16:15
Operator : VA/SY
Sample : K5957-02
Misc : 6.05G/5.00ml/MSVOA D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : MW-1-(17-20)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260

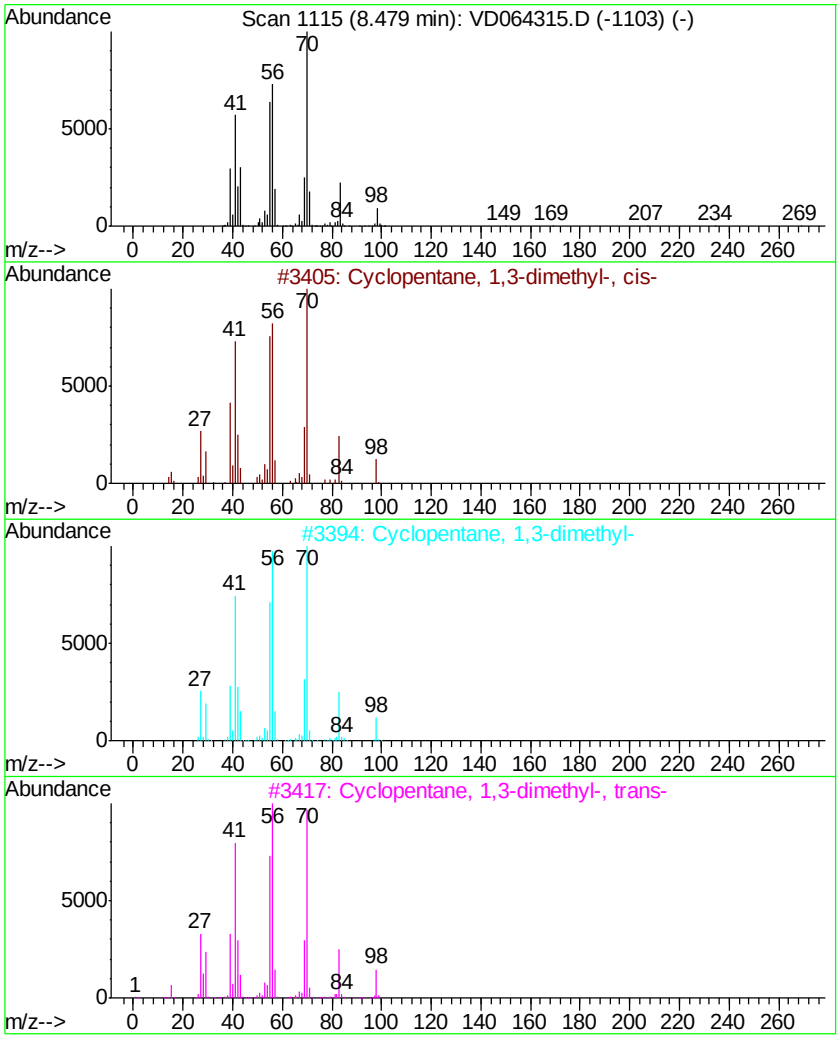
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

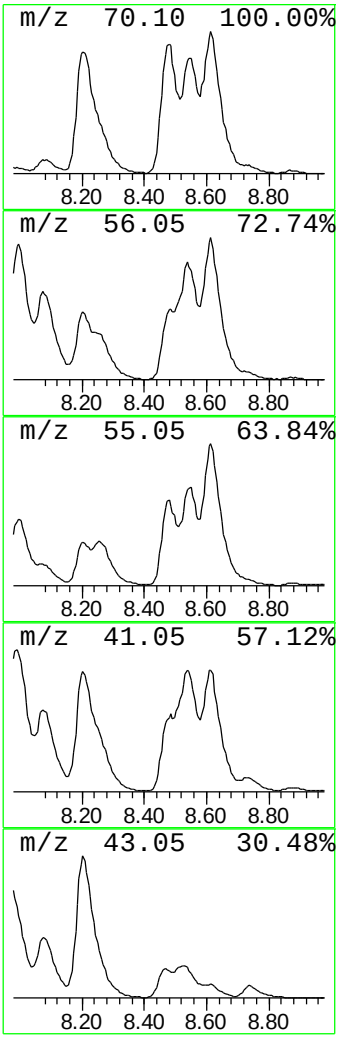
****

Peak Number 1 Cyclopentane, 1,3-dimethyl-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.48	112.26 ug/l	6247670	1,4-Difluorobenzene	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	95
2	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	94
3	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	76
4	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	62
5	Undecane, 3-methylene-	168	C12H24	071138-64-2	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112019\
Data File : VD064315.D
Acq On : 20 Nov 2019 16:15
Operator : VA/SY
Sample : K5957-02
Misc : 6.05G/5.00ml/MSVOA D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : MW-1-(17-20)

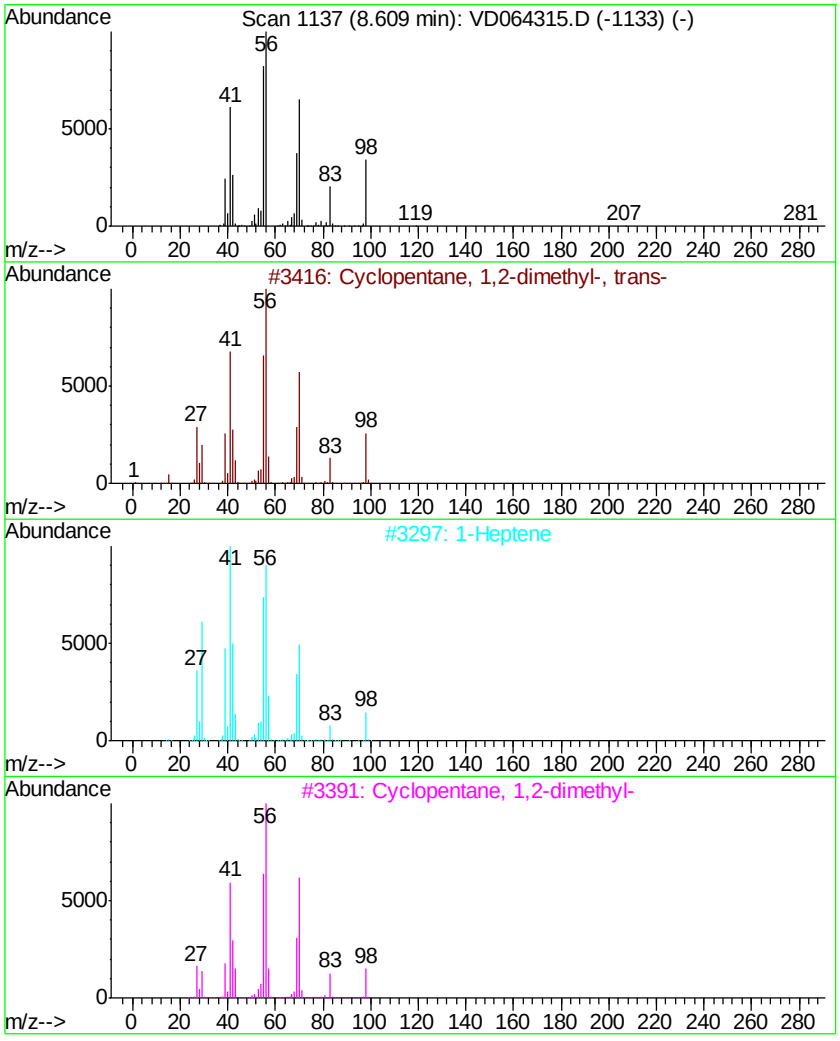
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260

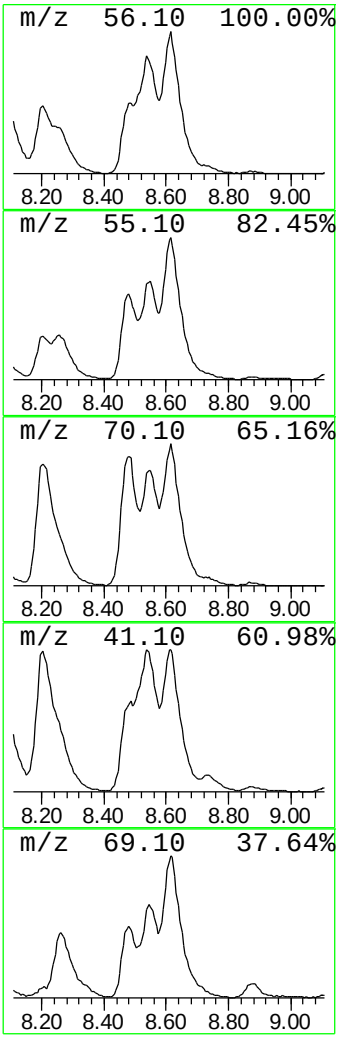
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Cyclopentane, 1,2-dimethyl-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.61	208.85 ug/l	11622800	1,4-Difluorobenzene	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	91
2	1-Heptene	98	C7H14	000592-76-7	91
3	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	91
4	Isopropylcyclobutane	98	C7H14	000872-56-0	91
5	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	78





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112019\
Data File : VD064315.D
Acq On : 20 Nov 2019 16:15
Operator : VA/SY
Sample : K5957-02
Misc : 6.05G/5.00ml/MSVOA D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : MW-1-(17-20)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260

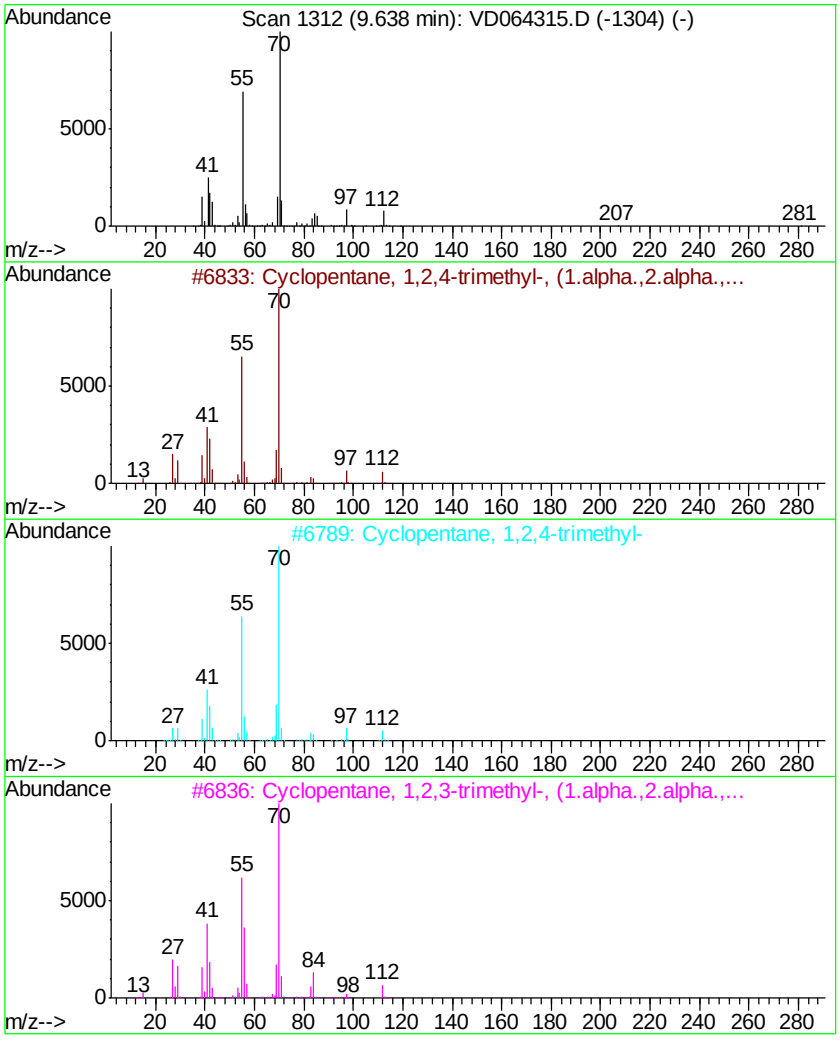
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

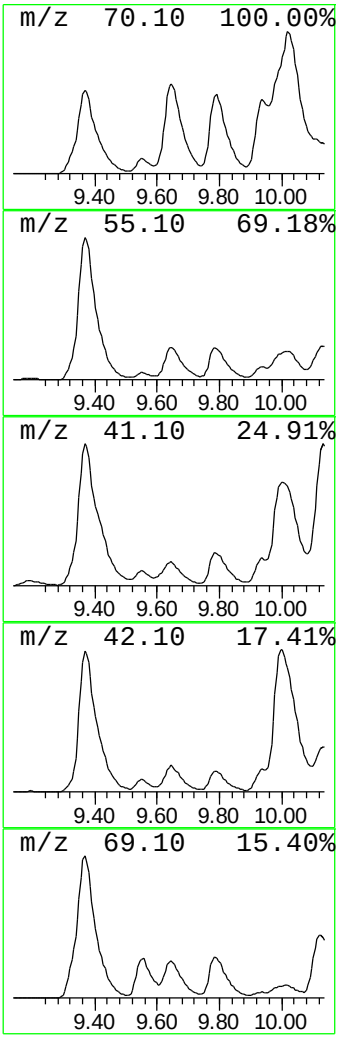
****

Peak Number 3 Cyclopentane, 1,2,4-trimeth... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.64	336.36 ug/l	18718900	1,4-Difluorobenzene	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	91
2	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	91
3	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	80
4	Heptane, 3-methylene-	112	C8H16	001632-16-2	78
5	Hexane, 2-methyl-4-methylene-	112	C8H16	003404-80-6	78





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112019\
Data File : VD064315.D
Acq On : 20 Nov 2019 16:15
Operator : VA/SY
Sample : K5957-02
Misc : 6.05G/5.00ml/MSVOA D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : MW-1-(17-20)

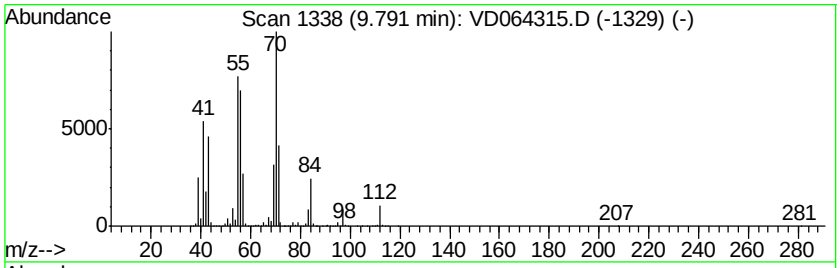
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260

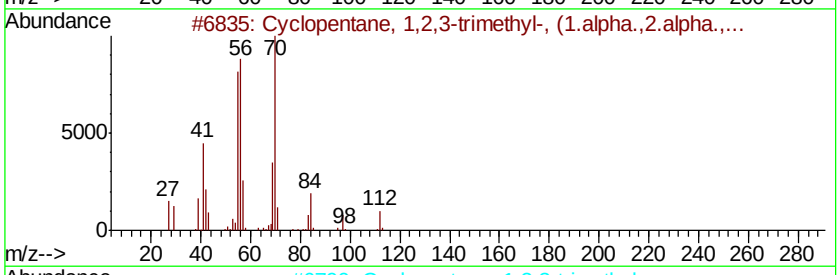
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

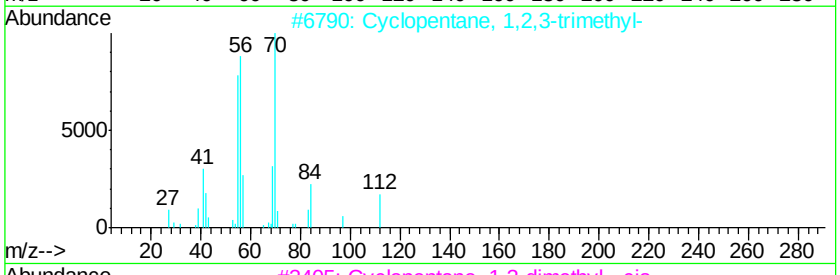
****
Peak Number 4 Cyclopentane, 1,2,3-trimeth... Concentration Rank 3

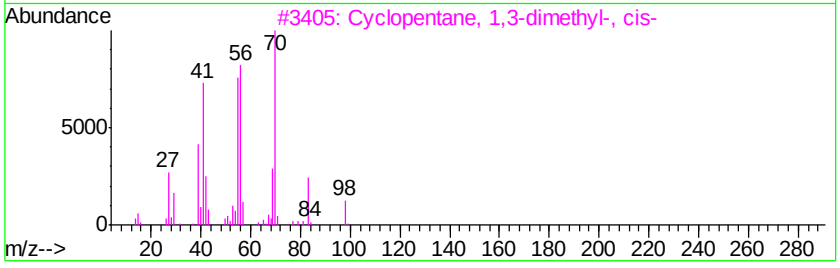
R.T.	EstConc	Area	Relative to ISTD	R.T.
9.79	400.70 ug/l	22299700	1,4-Difluorobenzene	8.87

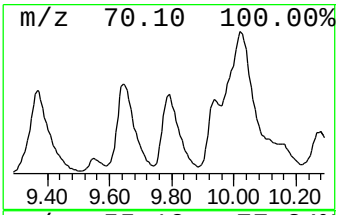
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	93
2	Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	81
3	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	62
4	trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	59
5	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	58

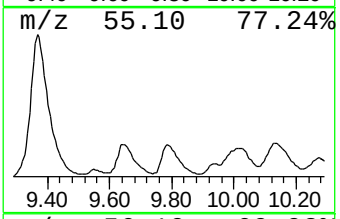


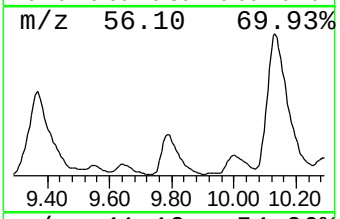


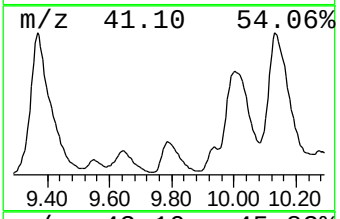


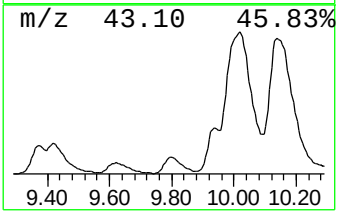












Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112019\
Data File : VD064315.D
Acq On : 20 Nov 2019 16:15
Operator : VA/SY
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Misc : 6.05G/5.00ml/MSVOA D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : MW-1-(17-20)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260

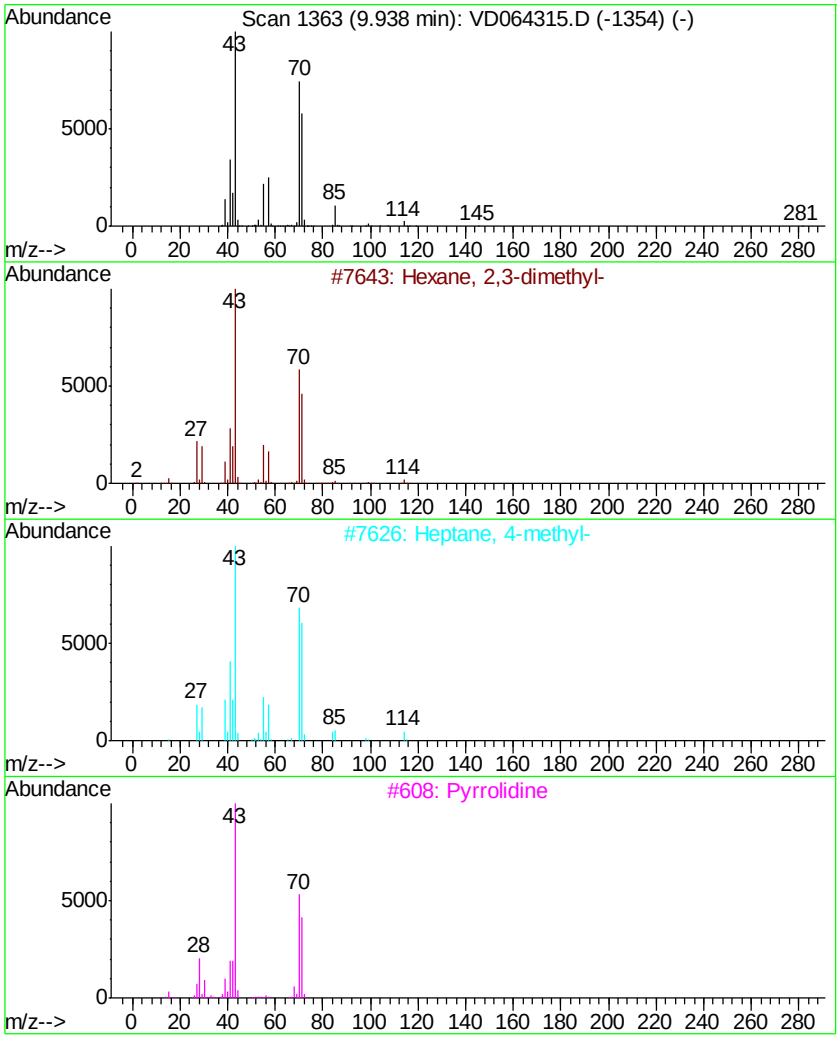
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

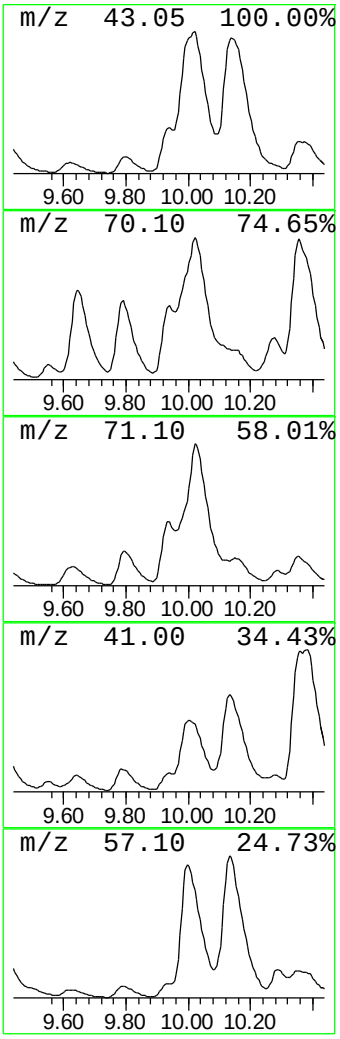
****

Peak Number 5 Hexane, 2,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.94	199.98 ug/l	11129200	1,4-Difluorobenzene	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	91
2	Heptane, 4-methyl-	114	C8H18	000589-53-7	83
3	Pyrrolidine	71	C4H9N	000123-75-1	72
4	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	59
5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112019\
Data File : VD064315.D
Acq On : 20 Nov 2019 16:15
Operator : VA/SY
Sample : K5957-02
Misc : 6.05G/5.00ml/MSVOA D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : MW-1-(17-20)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260

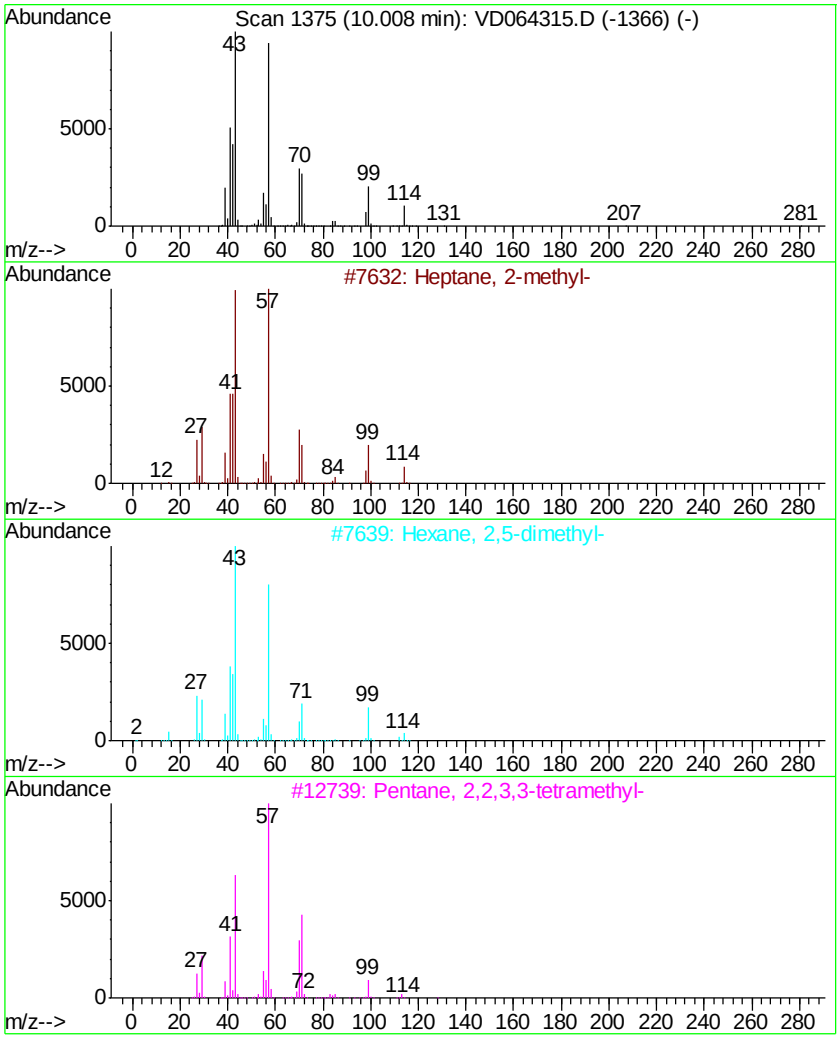
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

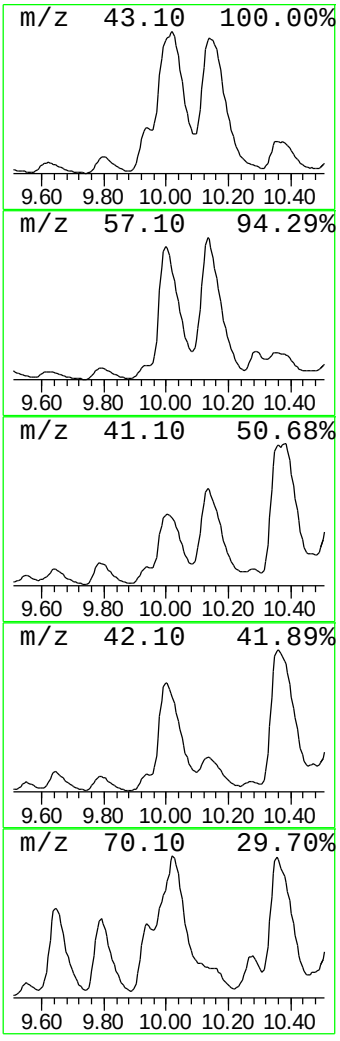
****

Peak Number 6 Heptane, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.01	1279.64 ug/l	71214200	1,4-Difluorobenzene	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	90
2	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	64
3	Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	50
4	Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	47
5	Hexane, 2,4,4-trimethyl-	128	C9H20	016747-30-1	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112019\
Data File : VD064315.D
Acq On : 20 Nov 2019 16:15
Operator : VA/SY
Sample : K5957-02
Misc : 6.05G/5.00ml/MSVOA D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : MW-1-(17-20)

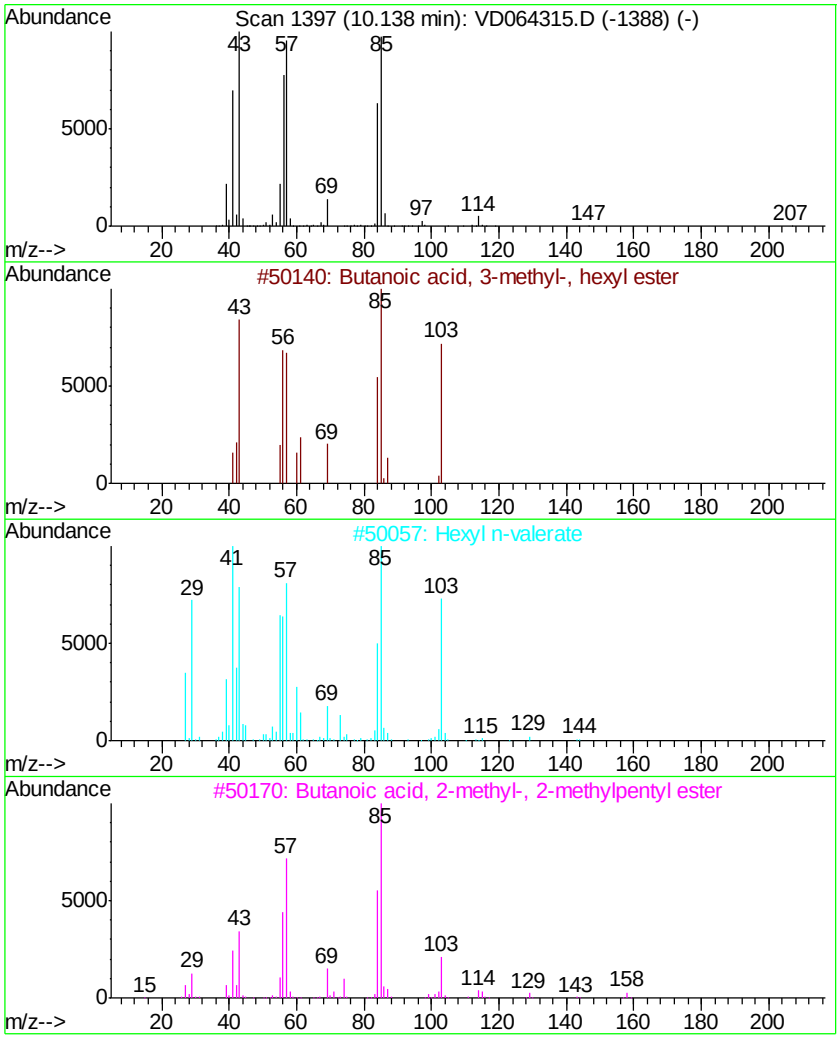
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260

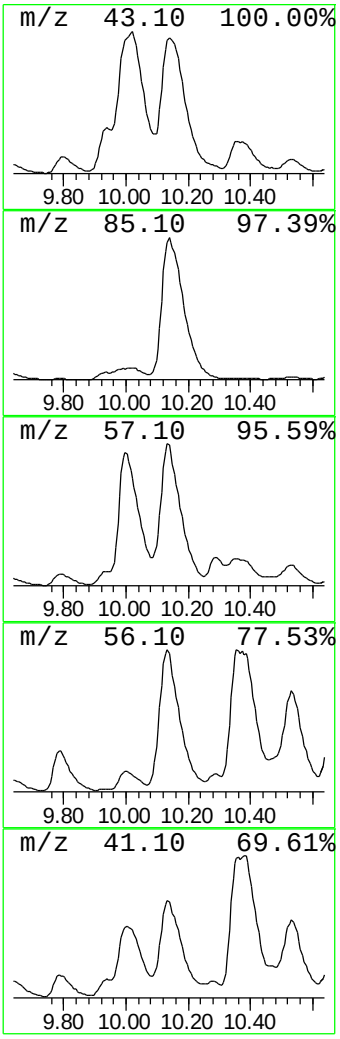
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Butanoic acid, 3-methyl-, h... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.14	1441.85 ug/l	80241600	1,4-Difluorobenzene	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, 3-methyl-, hexyl ...	186	C11H22O2	010032-13-0	78
2	Hexyl n-valerate	186	C11H22O2	001117-59-5	72
3	Butanoic acid, 2-methyl-, 2-meth...	186	C11H22O2	083783-88-4	59
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	59
5	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112019\
Data File : VD064315.D
Acq On : 20 Nov 2019 16:15
Operator : VA/SY
Sample : K5957-02
Misc : 6.05G/5.00ml/MSVOA D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : MW-1-(17-20)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260

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

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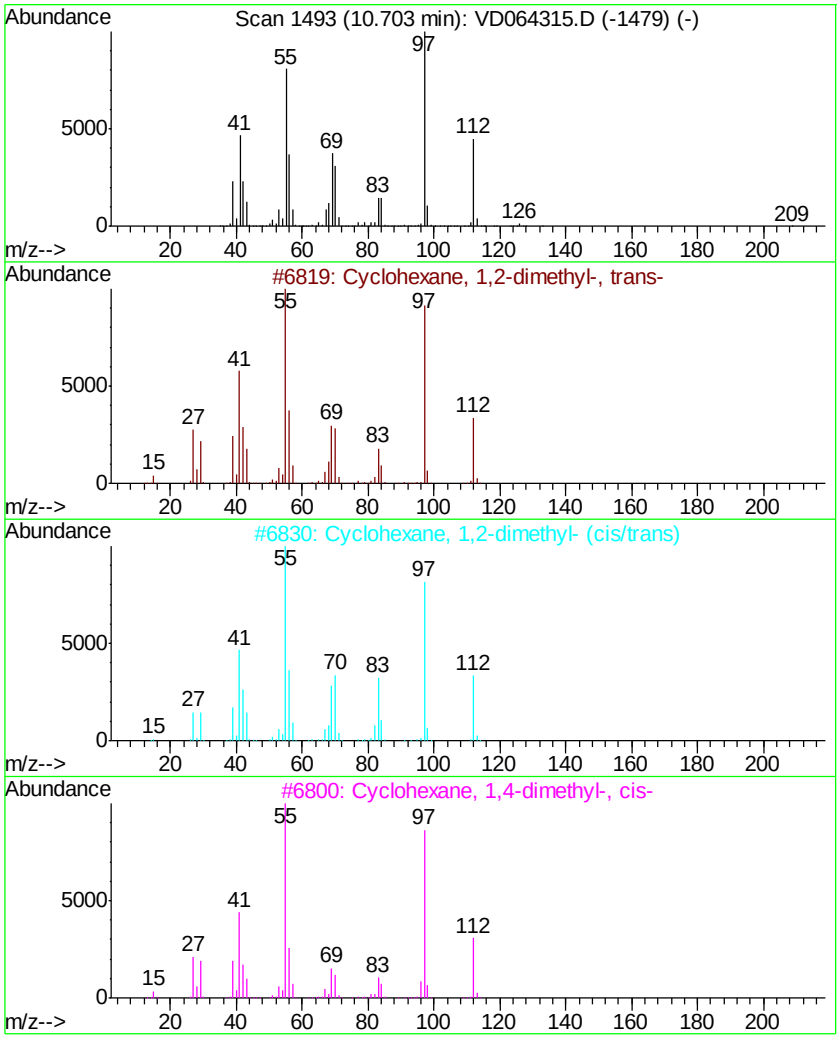
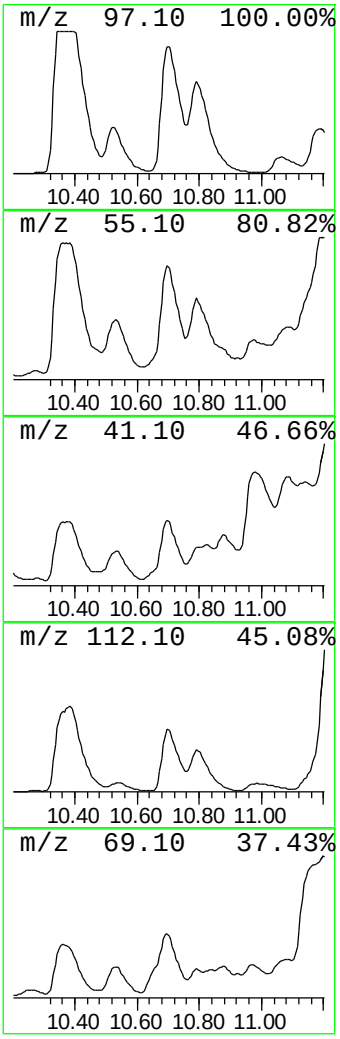
Peak Number 8 Cyclohexane, 1,2-dimethyl-,... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.70	106.46 ug/l	158272000	Chlorobenzene-d5	11.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	91
2	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	91
3	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	87
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	83
5	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112019\
Data File : VD064315.D
Acq On : 20 Nov 2019 16:15
Operator : VA/SY
Sample : K5957-02
Misc : 6.05G/5.00ml/MSVOA D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : MW-1-(17-20)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260

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

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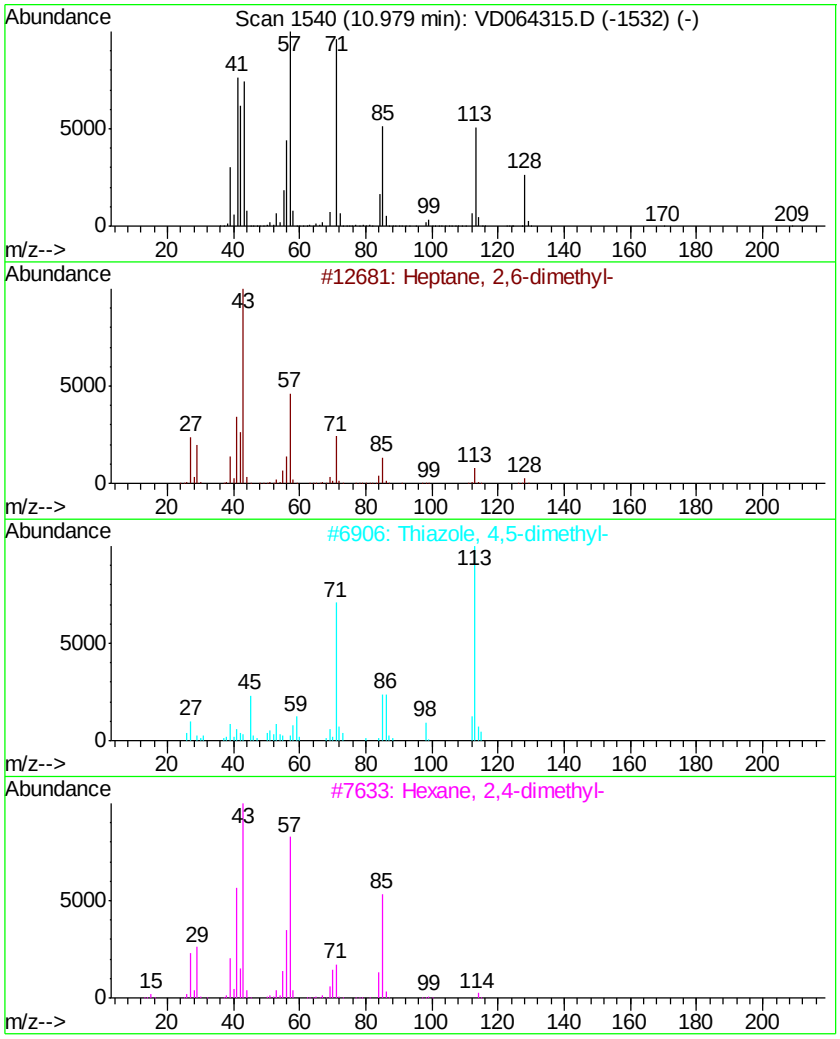
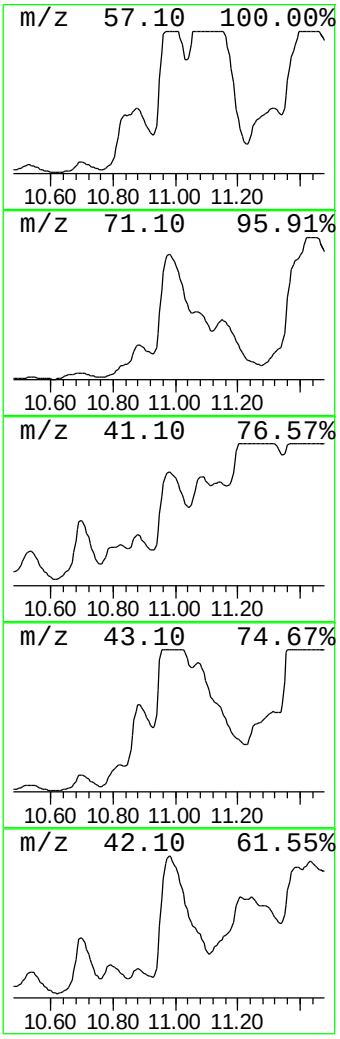
Peak Number 9 Heptane, 2,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.98	146.51 ug/l	217809000	Chlorobenzene-d5	11.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	81
2	Thiazole, 4,5-dimethyl-	113	C5H7NS	003581-91-7	43
3	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	38
4	Octane, 6-ethyl-2-methyl-	156	C11H24	062016-19-7	38
5	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	35





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112019\
Data File : VD064315.D
Acq On : 20 Nov 2019 16:15
Operator : VA/SY
Sample : K5957-02
Misc : 6.05G/5.00ml/MSVOA D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : MW-1-(17-20)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260

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

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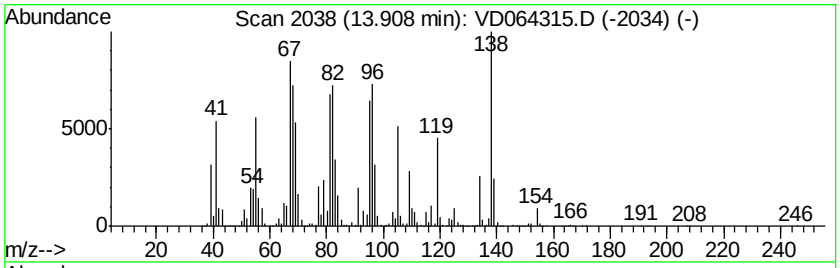
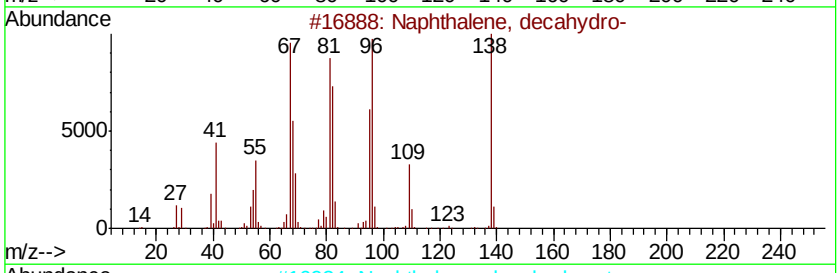
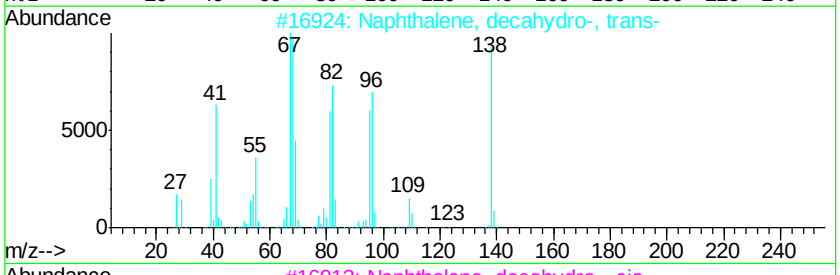
Peak Number 10 Naphthalene, decahydro- Concentration Rank 7

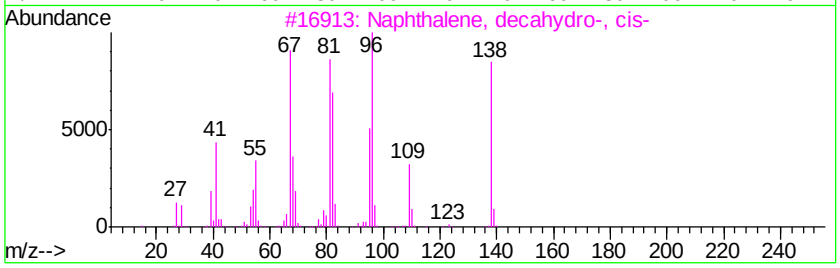
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.91	176.35 ug/l	252838000	1,4-Dichlorobenzene-d4	13.58

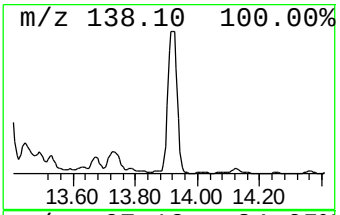
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-	138	C10H18	000091-17-8	96
2	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	95
3	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	93
4	Spiro[4.5]decane	138	C10H18	000176-63-6	70
5	Cyclodecene	138	C10H18	003618-12-0	58

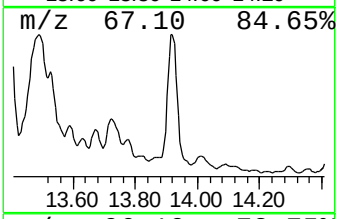


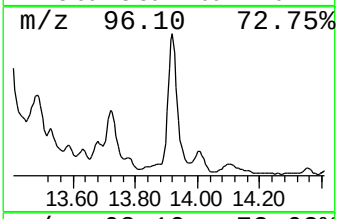


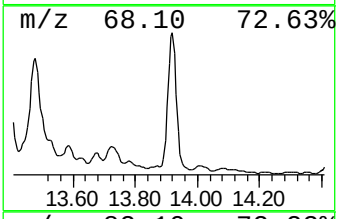


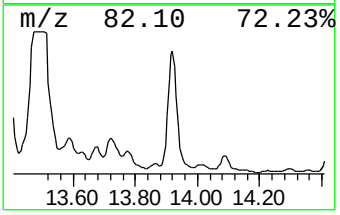












Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD112019\
Data File : VD064315.D
Acq On : 20 Nov 2019 16:15
Operator : VA/SY
Sample : K5957-02
Misc : 6.05G/5.00ml/MSVOA_D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : MW-1-(17-20)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.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...	8.48	112.3	ug/l	6247670	2	8.87	2782600	50.0
Cyclopentane, 1,2...	8.61	208.8	ug/l	11622800	2	8.87	2782600	50.0
Cyclopentane, 1,2...	9.64	336.4	ug/l	18718900	2	8.87	2782600	50.0
Cyclopentane, 1,2...	9.79	400.7	ug/l	22299700	2	8.87	2782600	50.0
Hexane, 2,3-dimet...	9.94	200.0	ug/l	11129200	2	8.87	2782600	50.0
Heptane, 2-methyl-	10.01	1279.6	ug/l	71214200	2	8.87	2782600	50.0
Butanoic acid, 3-...	10.14	1441.8	ug/l	80241600	2	8.87	2782600	50.0
Cyclohexane, 1,2-...	10.70	106.5	ug/l	158272000	3	11.66	74331600	50.0
Heptane, 2,6-dime...	10.98	146.5	ug/l	217809000	3	11.66	74331600	50.0
Naphthalene, deca...	13.91	176.3	ug/l	252838000	4	13.58	71685700	50.0