LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112019\
Data File : VD064314.D
Acq On : 20 Nov 2019 15:47
Operator : VA/SY
Sample : K5957-01
Misc : 4.98G/5.00ml/MSVOA D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : MW-1-(12-14)

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	10.344	1425	1432	1447	rVB	3506851	8677642	2.09%	0.222%
2	10.685	1485	1490	1499	rVB	2802548	6203552	1.49%	0.158%
3	10.785	1499	1507	1511	rBV3	1836201	4399874	1.06%	0.112%
4	10.873	1517	1522	1529	rVB	2670561	5028758	1.21%	0.128%
5	10.961	1529	1537	1547	rVB	11391766	24202342	5.82%	0.618%
6	11.067	1547	1555	1562	rBV	6940516	18318053	4.40%	0.468%
7	11.138	1562	1567	1574	rBV3	3167363	8149745	1.96%	0.208%
8	11.255	1580	1587	1594	rBV	34514976	72951249	17.53%	1.863%
9	11.367	1600	1606	1611	rBV3	19246169	41628564	10.00%	1.063%
10	11.455	1612	1621	1630	rVB4	29467009	103416929	24.85%	2.641%
11	11.538	1630	1635	1647	rBV	16330509	39868889	9.58%	1.018%
12	11.644	1648	1653	1657	rBV3	3560289	7098576	1.71%	0.181%
13	11.791	1673	1678	1682	rBV	20186960	41051777	9.87%	1.048%
14	11.844	1682	1687	1692	rBV3	19771786	41745219	10.03%	1.066%
15	11.908	1692	1698	1702	rBV5	60817888	144568655	34.74%	3.691%
16	12.008	1710	1715	1717	rBV2	12419453	20461715	4.92%	0.522%
17	12.097	1721	1730	1735	rBV3	37814238	100658214	24.19%	2.570%
18	12.173	1735	1743	1751	rBV6	103919292	359316521	86.35%	9.175%
19	12.291	1758	1763	1764	rBV4	37949744	57050940	13.71%	1.457%
20	12.373	1771	1777	1783	rBV7	85967280	286036934	68.74%	7.304%
21	12.661	1819	1826	1831	rVB5	62956504	148130345	35.60%	3.782%
22	12.744	1831	1840	1845	rBV5	94139176	288481262	69.33%	7.366%
23	12.832	1848	1855	1860	rVB8	138484708	416096624	100.00%	10.625%
24	12.902	1860	1867	1872	rBV7	101471156	306637589	73.69%	7.830%
25	13.120	1900	1904	1909	rBV4	60834936	129652408	31.16%	3.311%
26	14.026	2054	2058	2061	rBV5	46940176	90488729	21.75%	2.311%
27	14.244	2089	2095	2101	rVB4	97269828	209777218	50.42%	5.356%
28	14.308	2101	2106	2112	rVB6	55908056	106491853	25.59%	2.719%
29	14.379	2115	2118	2122	rVB4	27050676	35931395	8.64%	0.917%
30	14.432	2122	2127	2130	rBV3	96894004	180345336	43.34%	4.605%
31	14.496	2135	2138	2142	rVV3	78221391	125105895	30.07%	3.194%
32	14.538	2142	2145	2149	rVV3	33321778	45490361	10.93%	1.162%
33	14.596	2149	2155	2160	rVV4	57242301	111468971	26.79%	2.846%
34	14.649	2160	2164	2174	rVB3	26377644	81319401	19.54%	2.076%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112019\
Data File : VD064314.D
Acq On : 20 Nov 2019 15:47
Operator : VA/SY
Sample : K5957-01
Misc : 4.98G/5.00ml/MSVOA D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : MW-1-(12-14)

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	14.732	2174	2178	2181	rBV3	9866038	16496163	3.96%	0.421%
36	14.767	2181	2184	2189	rVB2	17719540	27429442	6.59%	0.700%
37	14.838	2190	2196	2202	rBV4	47071613	112237090	26.97%	2.866%
38	14.891	2203	2205	2212	rVB3	20570481	33833688	8.13%	0.864%
39	14.996	2220	2223	2228	rBV2	4087216	6467067	1.55%	0.165%
40	15.049	2228	2232	2236	rBV3	4538721	7578371	1.82%	0.194%
41	15.108	2237	2242	2246	rBV4	9191181	14556835	3.50%	0.372%
42	15.214	2255	2260	2271	rVB3	10837277	26510182	6.37%	0.677%
43	15.314	2273	2277	2282	rVV3	2778939	4973316	1.20%	0.127%

Sum of corrected areas: 3916333689

LSC Report - Integrated Chromatogram

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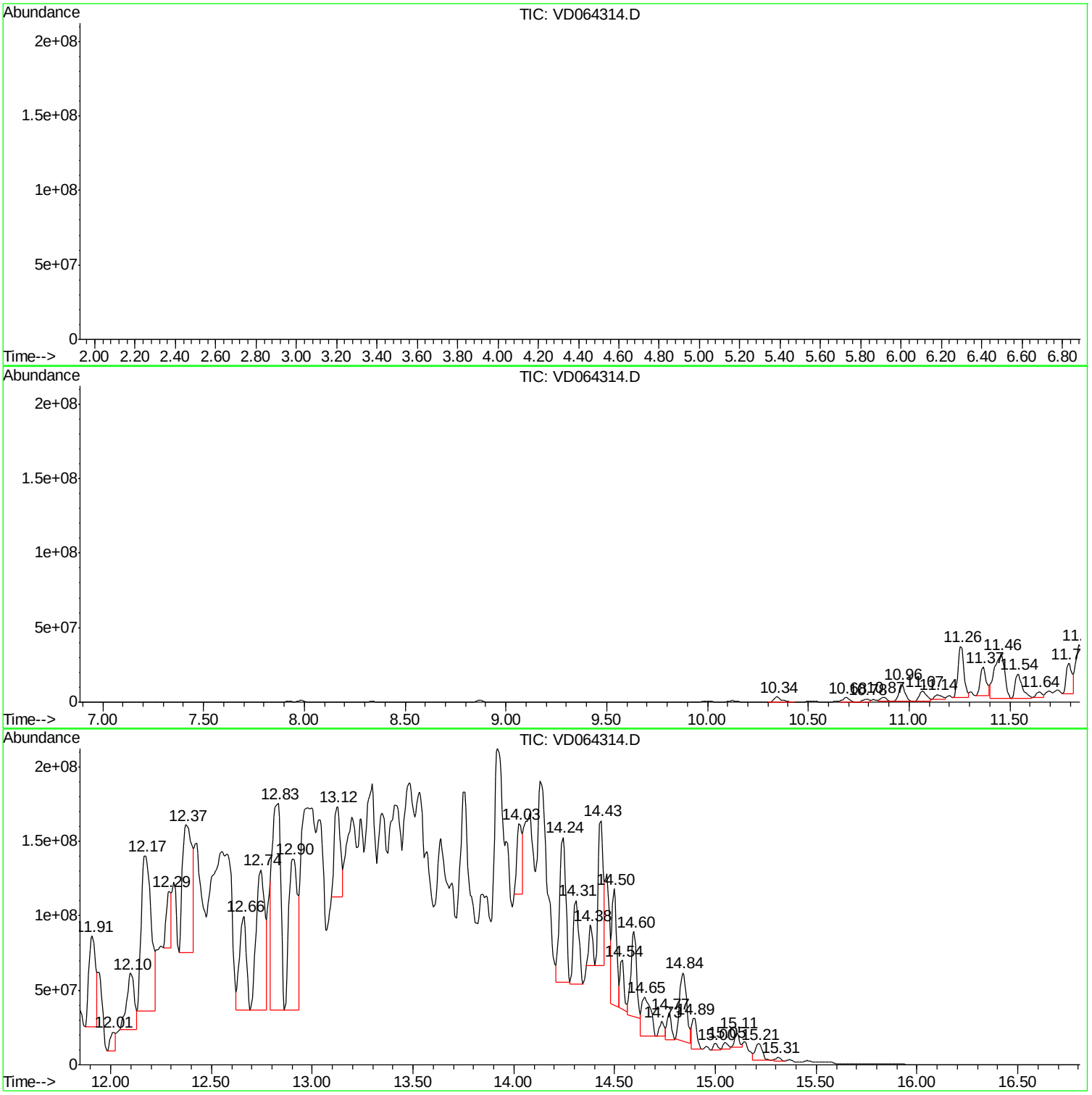
Data File : VD064314.D
Acq On : 20 Nov 2019 15:47
Operator : VA/SY
Sample : K5957-01
Misc : 4.98G/5.00ml/MSVOA D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
MW-1-(12-14)

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 : VD064314.D
Acq On : 20 Nov 2019 15:47
Operator : VA/SY
Sample : K5957-01
Misc : 4.98G/5.00ml/MSVOA D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : MW-1-(12-14)

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

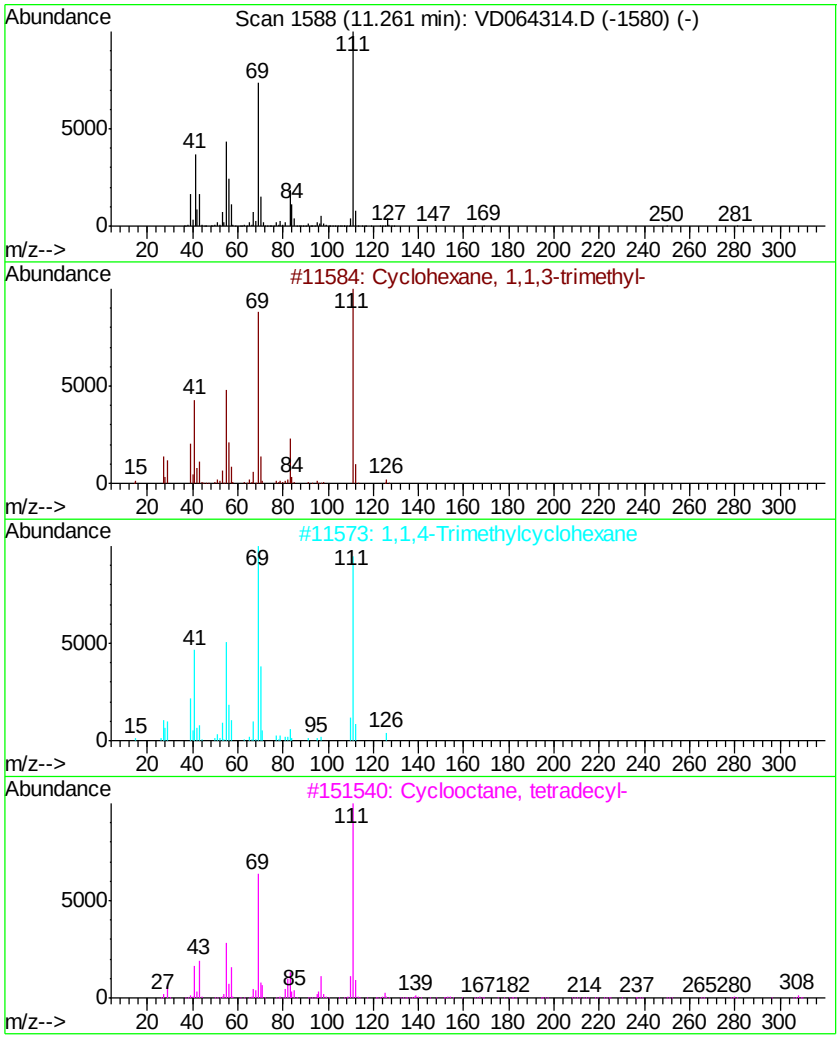
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

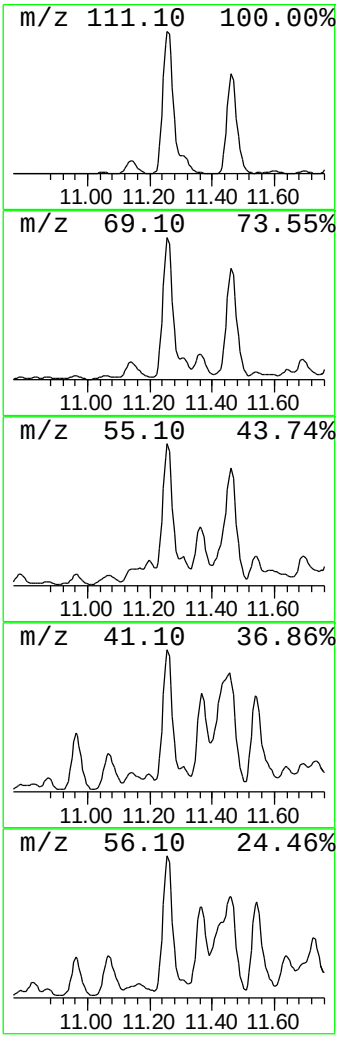
****

Peak Number 1 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.26	513.84 ug/l	72951200	Chlorobenzene-d5	11.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	94
2	1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	68
3	Cyclooctane, tetradecyl-	308	C22H44	149003-36-1	64
4	2,4,6-Trimethyl-1,5-diazabicyclo...	126	C7H14N2	1000283-21-2	59
5	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112019\
Data File : VD064314.D
Acq On : 20 Nov 2019 15:47
Operator : VA/SY
Sample : K5957-01
Misc : 4.98G/5.00ml/MSVOA D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : MW-1-(12-14)

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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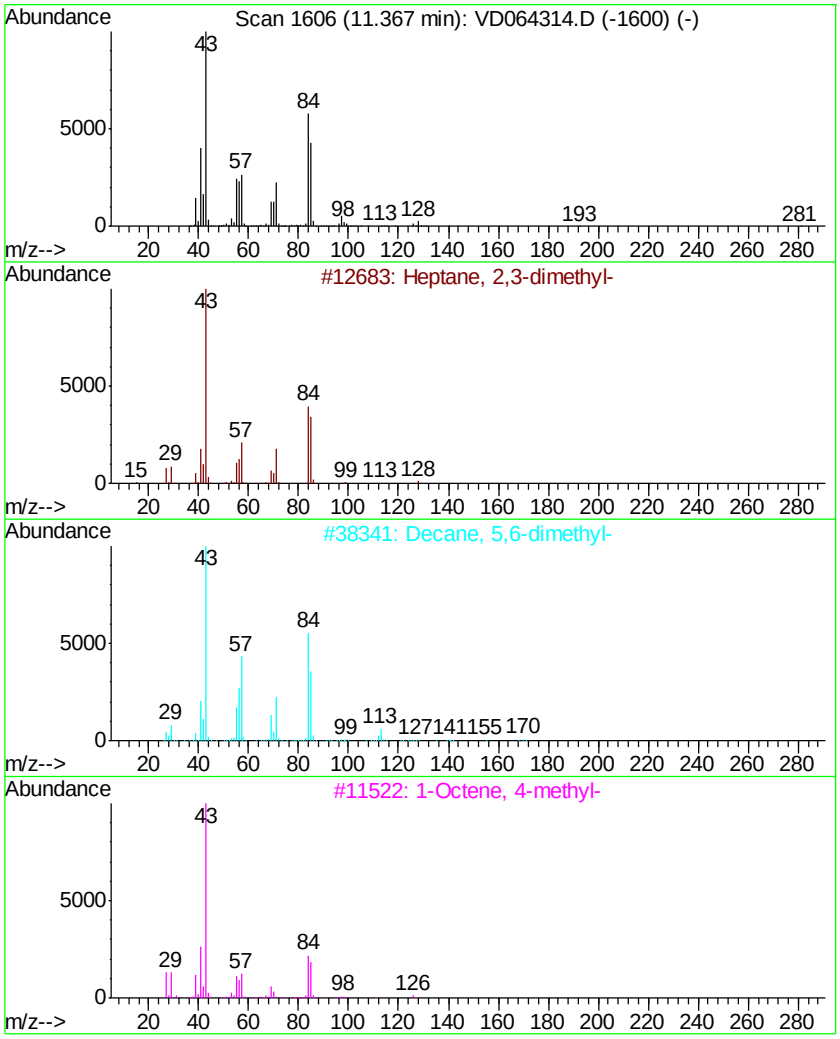
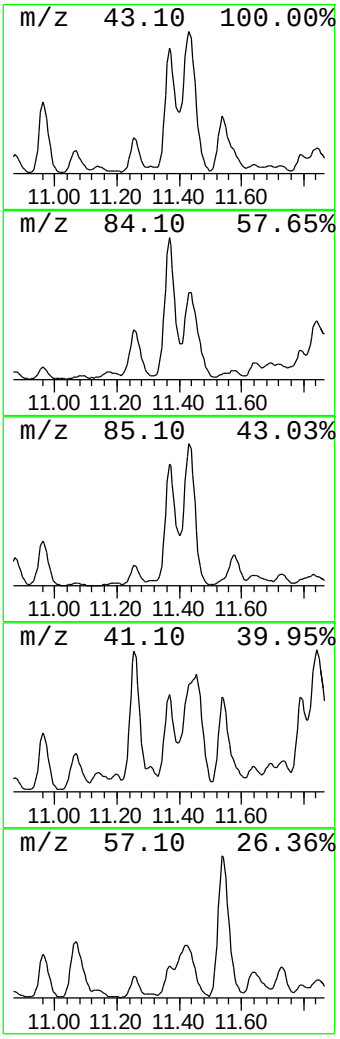
Peak Number 2 Heptane, 2,3-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.37	293.22 ug/l	41628600	Chlorobenzene-d5	11.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	87
2	Decane, 5,6-dimethyl-	170	C12H26	001636-43-7	64
3	1-Octene, 4-methyl-	126	C9H18	013151-12-7	59
4	Hexane, 3-ethyl-2-methyl-	128	C9H20	016789-46-1	59
5	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	58





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112019\
Data File : VD064314.D
Acq On : 20 Nov 2019 15:47
Operator : VA/SY
Sample : K5957-01
Misc : 4.98G/5.00ml/MSVOA D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : MW-1-(12-14)

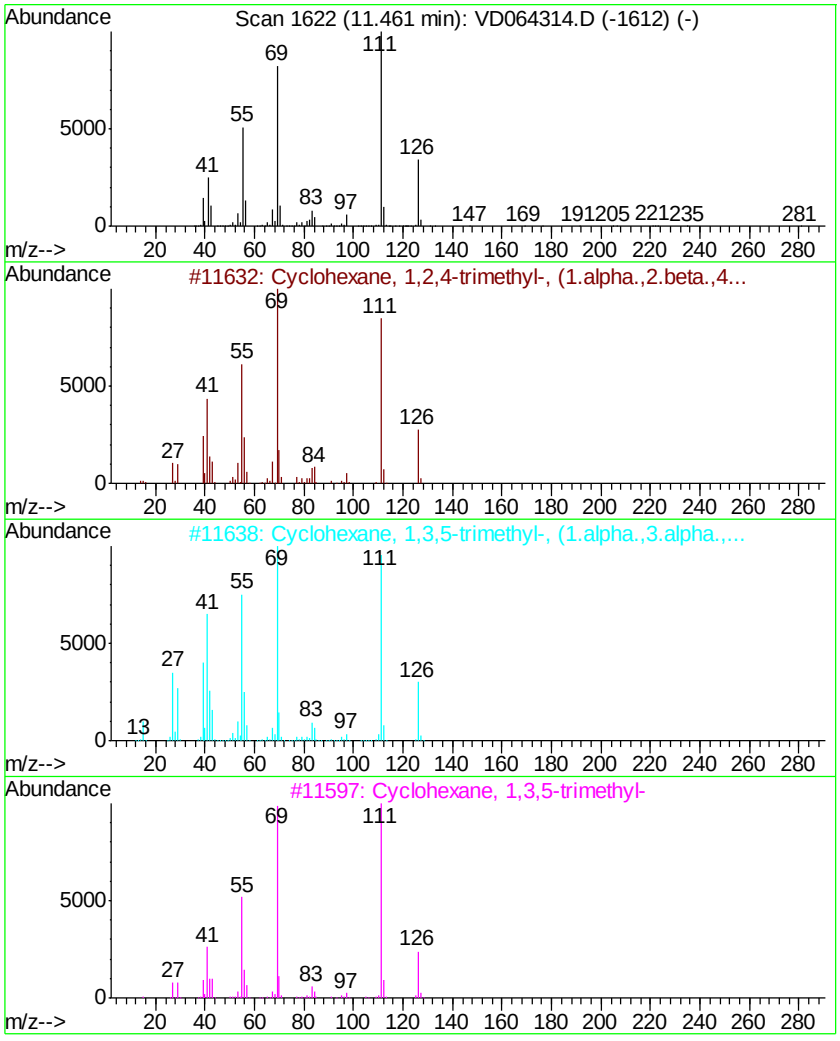
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260

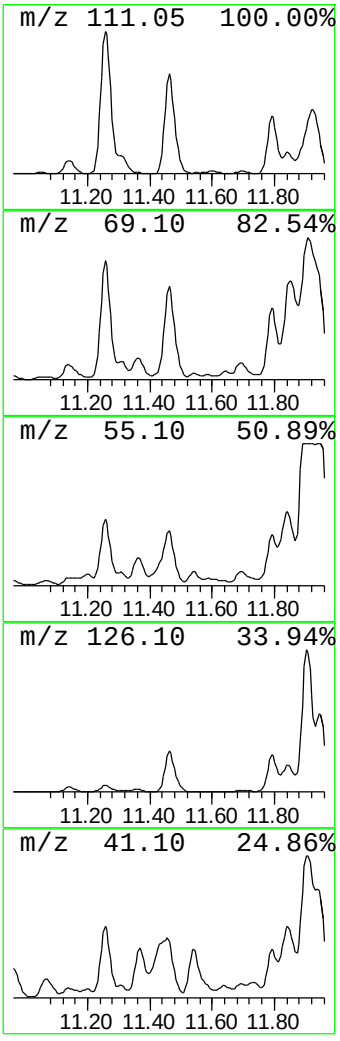
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Cyclohexane, 1,2,4-trimethy... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.46	728.43 ug/l	103417000	Chlorobenzene-d5	11.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	95
2	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	91
3	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	91
4	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	87
5	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	86





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112019\
Data File : VD064314.D
Acq On : 20 Nov 2019 15:47
Operator : VA/SY
Sample : K5957-01
Misc : 4.98G/5.00ml/MSVOA D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : MW-1-(12-14)

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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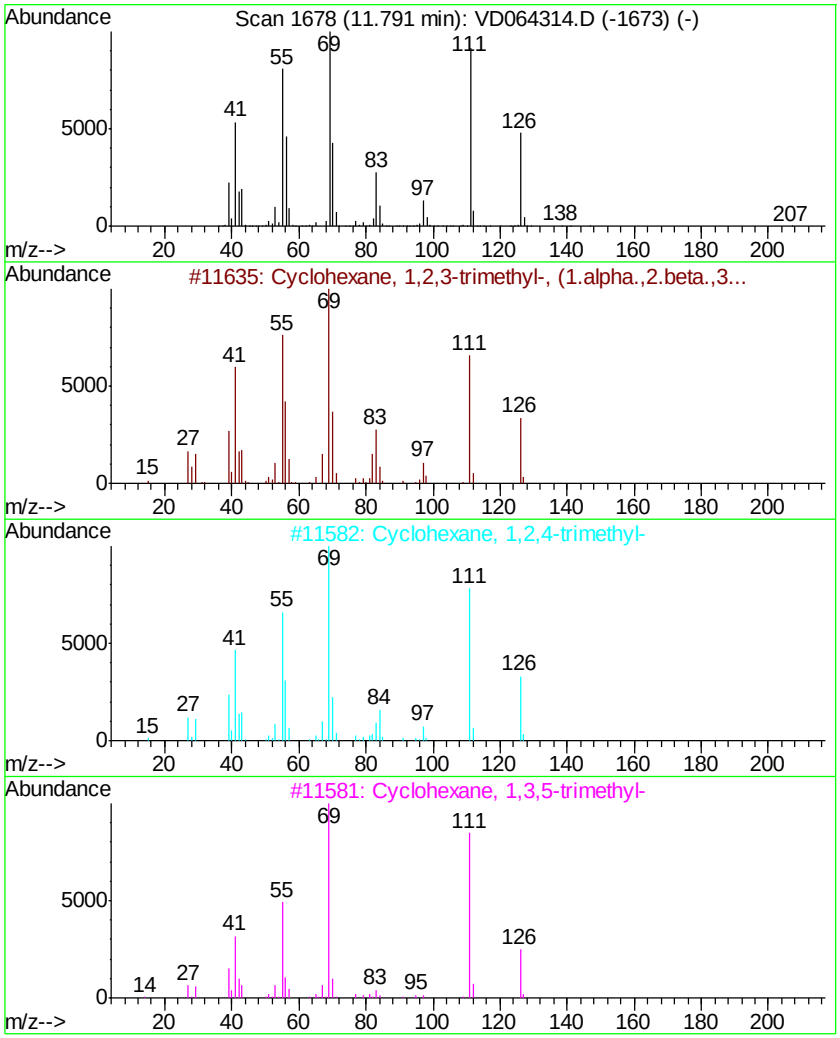
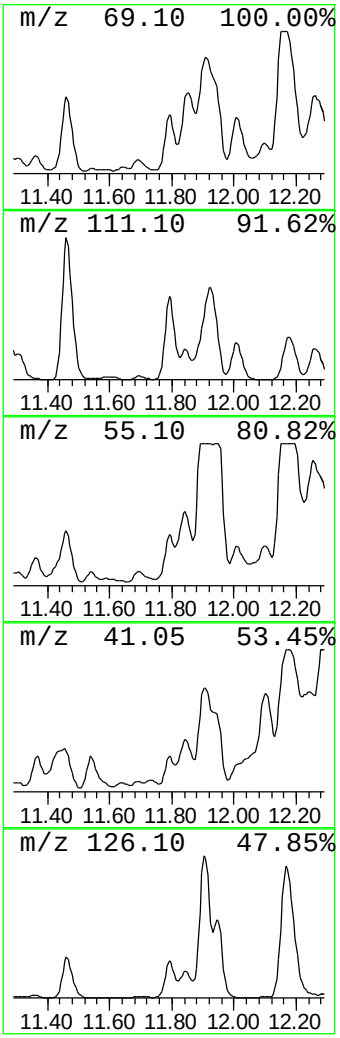
Peak Number 4 Cyclohexane, 1,2,3-trimethy... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	289.16 ug/l	41051800	Chlorobenzene-d5	11.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	94
2	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	87
3	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	62
4	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	58
5	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112019\
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Operator : VA/SY
Sample : K5957-01
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ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : MW-1-(12-14)

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

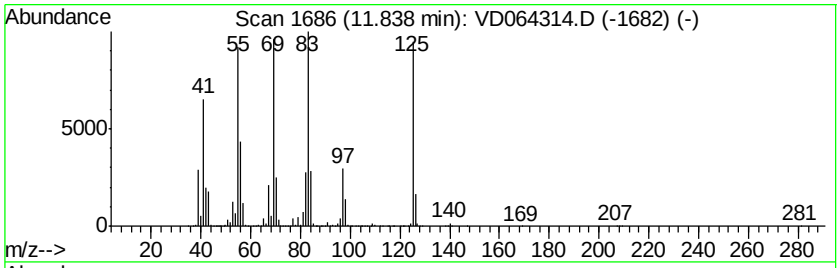
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

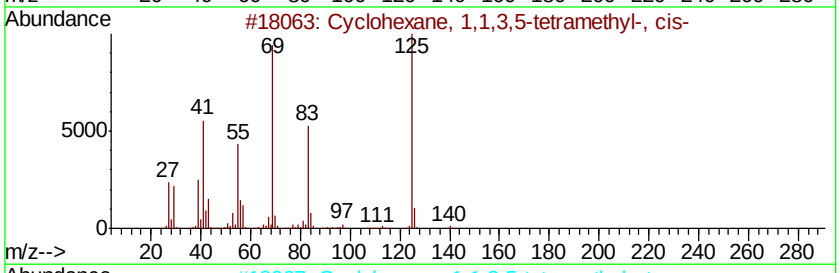
****

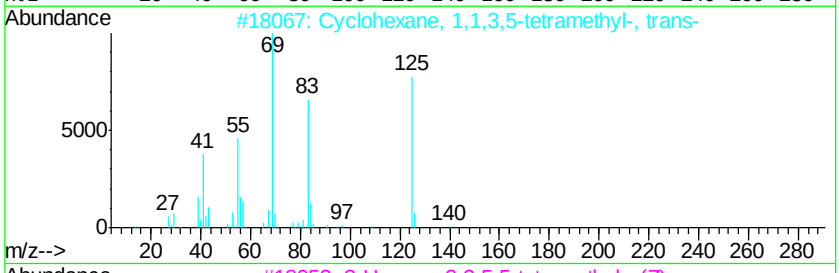
Peak Number 5 Cyclohexane, 1,1,3,5-tetram... Concentration Rank 8

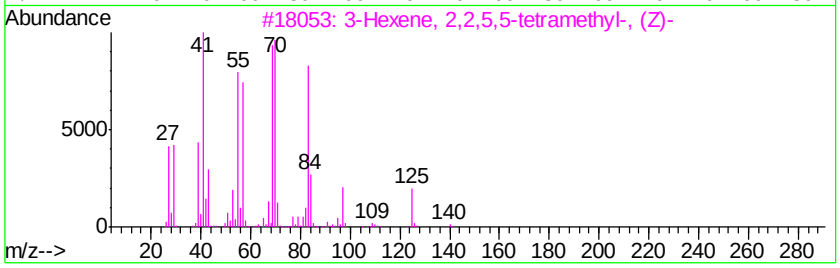
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.84	294.04 ug/l	41745200	Chlorobenzene-d5	11.65

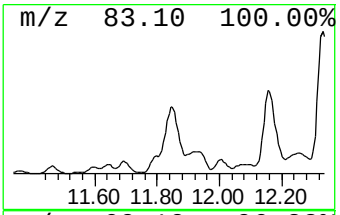
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	58
2	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	58
3	3-Hexene, 2,2,5,5-tetramethyl-, ...	140	C10H20	000692-47-7	49
4	2,2-Dimethyl-3-heptene trans	126	C9H18	019550-75-5	38
5	2-Undecene, 4-methyl-	168	C12H24	091695-32-8	35

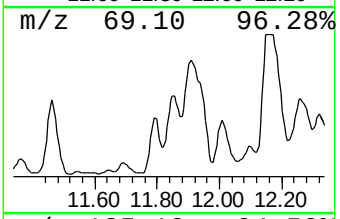


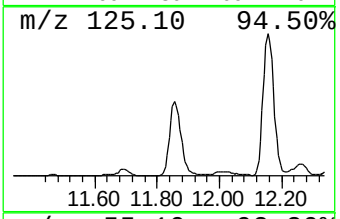


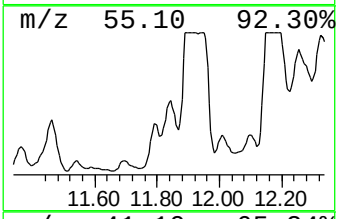


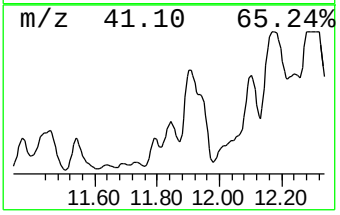












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ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : MW-1-(12-14)

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

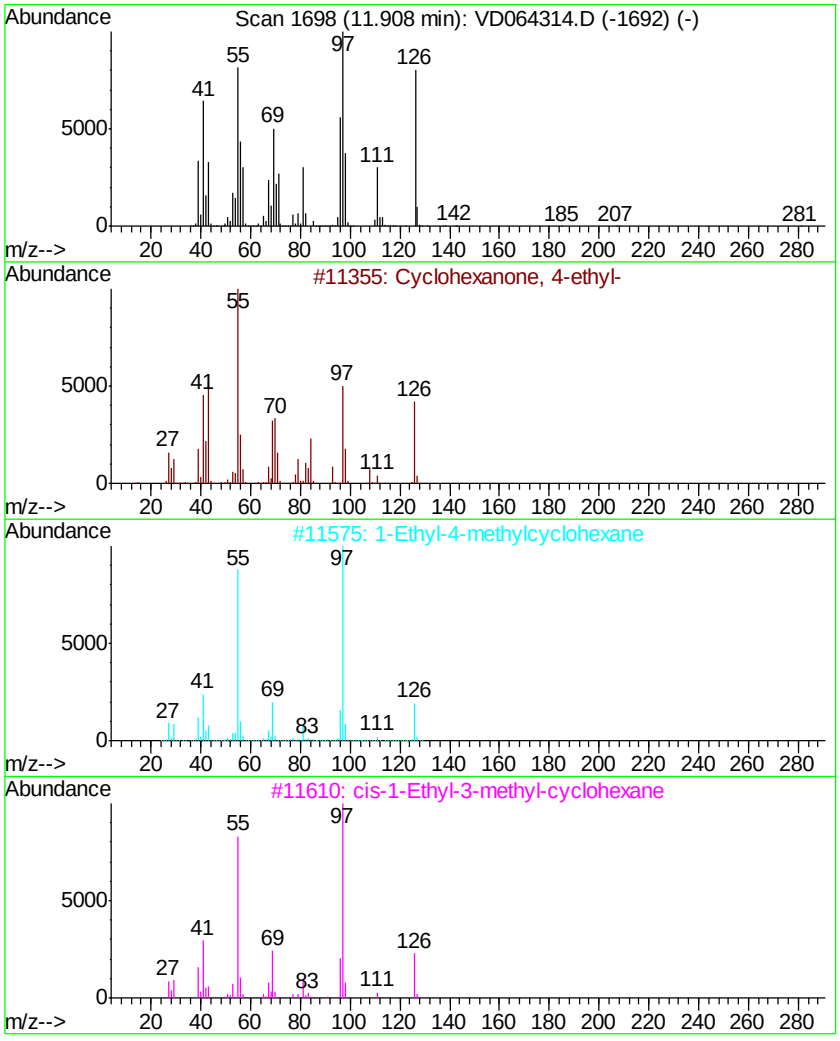
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

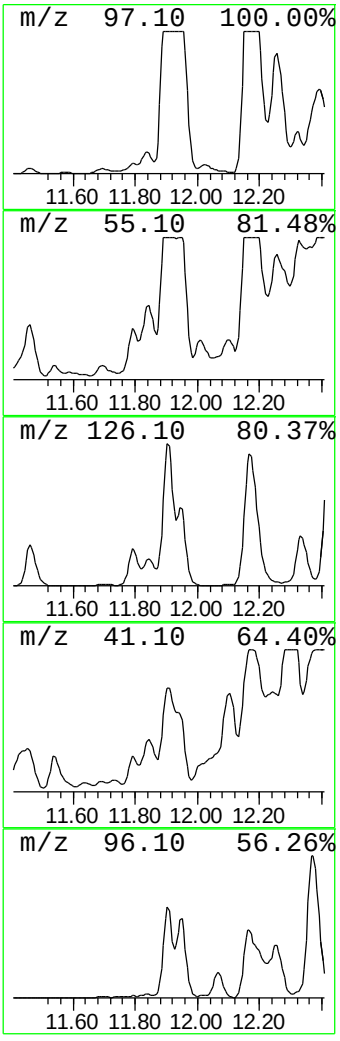
****

Peak Number 6 Cyclohexanone, 4-ethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	1018.29 ug/l	144569000	Chlorobenzene-d5	11.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanone, 4-ethyl-	126	C8H14O	005441-51-0	53
2	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	53
3	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	49
4	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	46
5	Furan, 2,3-dihydro-4-(1-methylpr...	126	C8H14O	034379-54-9	46





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112019\
Data File : VD064314.D
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Operator : VA/SY
Sample : K5957-01
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ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : MW-1-(12-14)

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

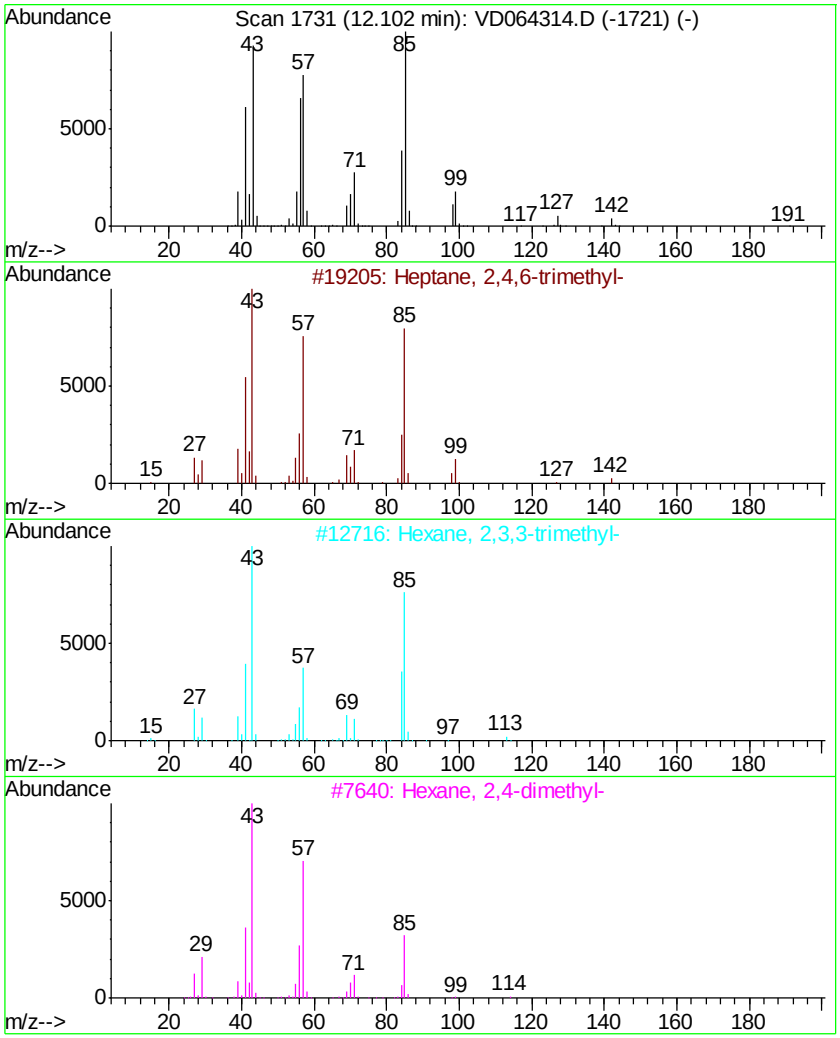
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

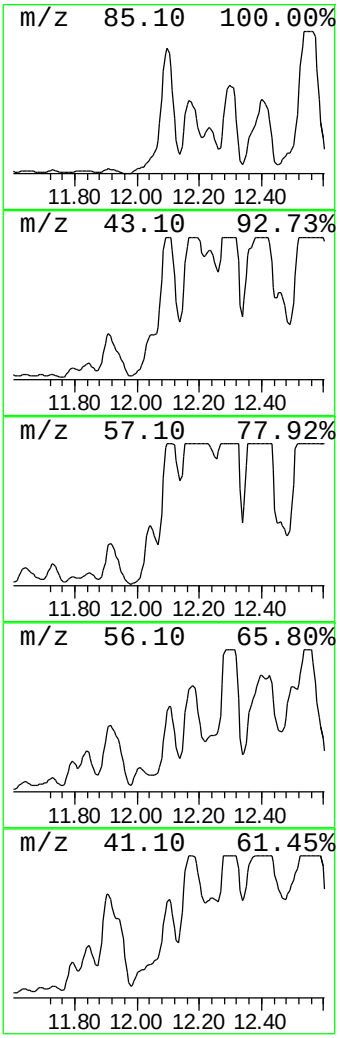
****

Peak Number 7 Heptane, 2,4,6-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	709.00 ug/l	100658000	Chlorobenzene-d5	11.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,4,6-trimethyl-	142	C10H22	002613-61-8	74
2	Hexane, 2,3,3-trimethyl-	128	C9H20	016747-28-7	59
3	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	50
4	Pentane, 2,3,3,4-tetramethyl-	128	C9H20	016747-38-9	50
5	2-Propen-1-amine, N-ethyl-	85	C5H11N	002424-02-4	49





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112019\
Data File : VD064314.D
Acq On : 20 Nov 2019 15:47
Operator : VA/SY
Sample : K5957-01
Misc : 4.98G/5.00ml/MSVOA D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : MW-1-(12-14)

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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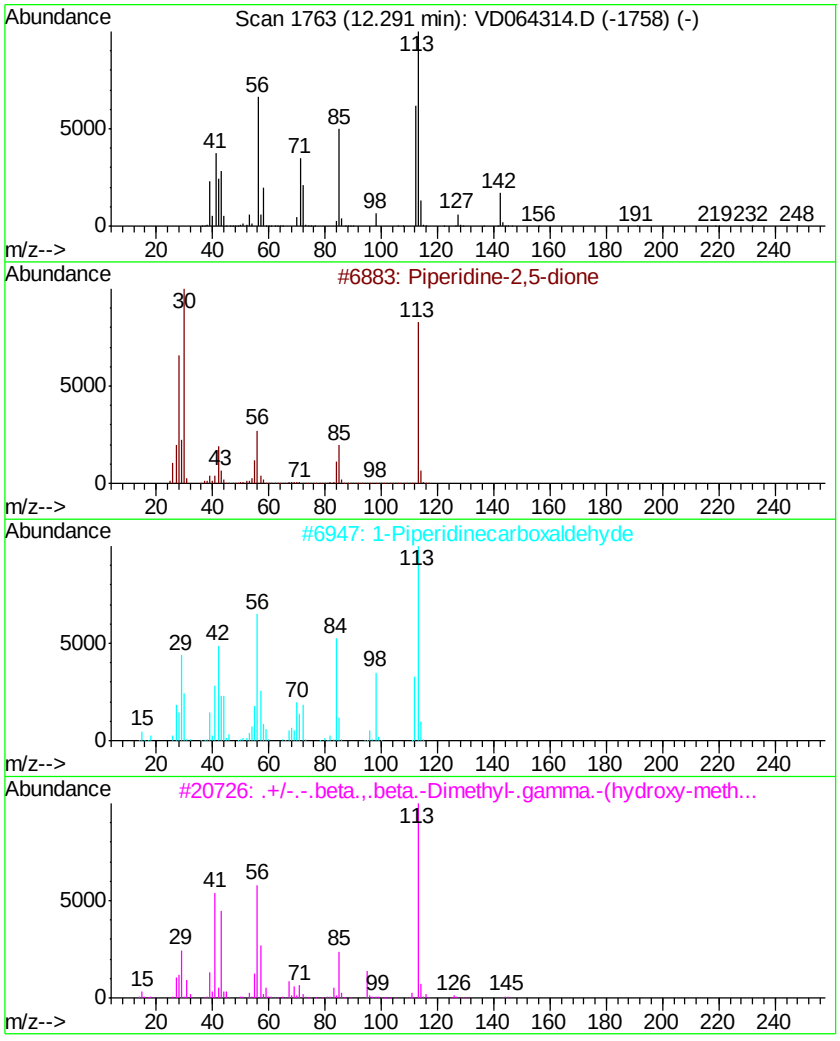
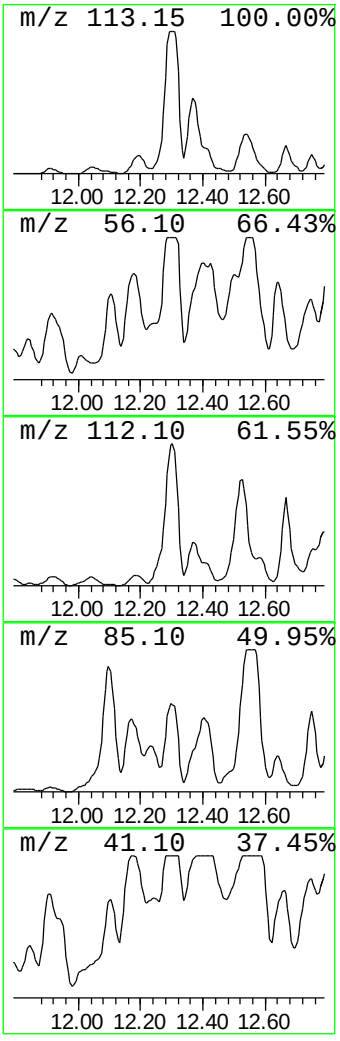
Peak Number 9 unknown12.29 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	401.85 ug/l	57050900	Chlorobenzene-d5	11.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Piperidine-2,5-dione	113	C5H7NO2	052065-78-8	47
2	1-Piperidinecarboxaldehyde	113	C6H11NO	002591-86-8	47
3	.+/-.-.beta.,.beta.-Dimethyl-.ga...	144	C7H12O3	052398-48-8	43
4	5-Methylthiophen-3-ylamine	113	C5H7NS	1000311-36-5	32
5	2-Propanone, propylhydrazone	114	C6H14N2	007423-00-9	25





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112019\
Data File : VD064314.D
Acq On : 20 Nov 2019 15:47
Operator : VA/SY
Sample : K5957-01
Misc : 4.98G/5.00ml/MSVOA D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : MW-1-(12-14)

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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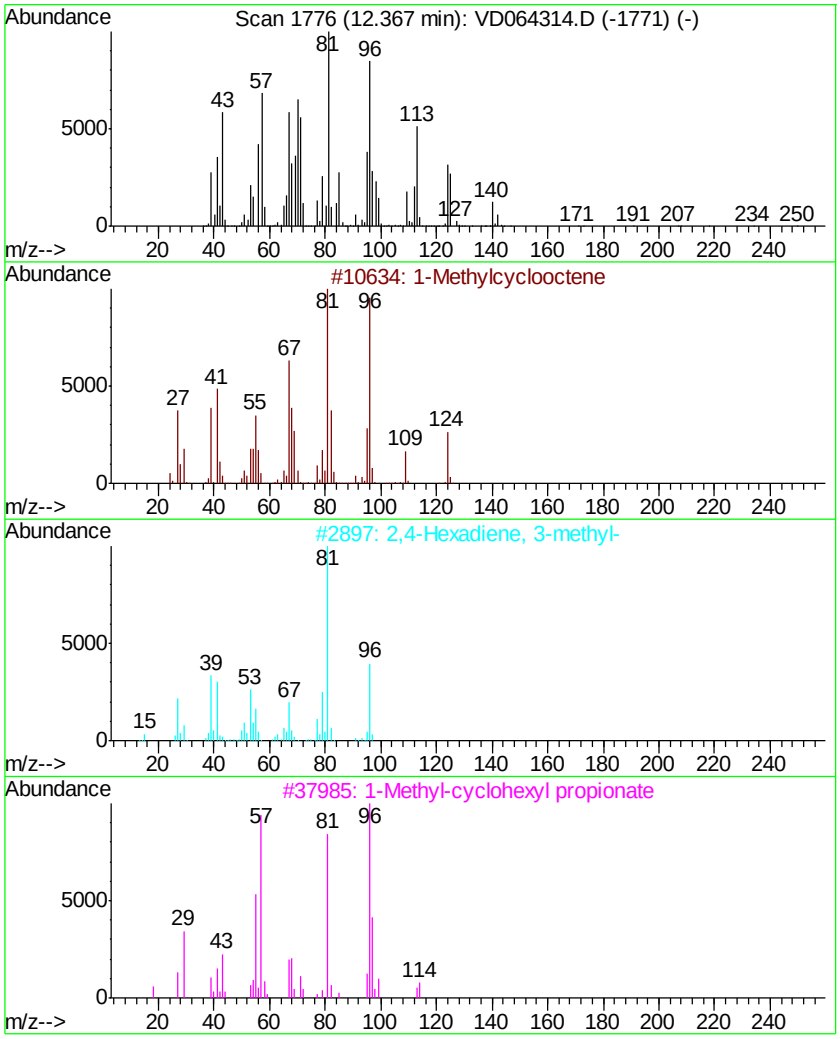
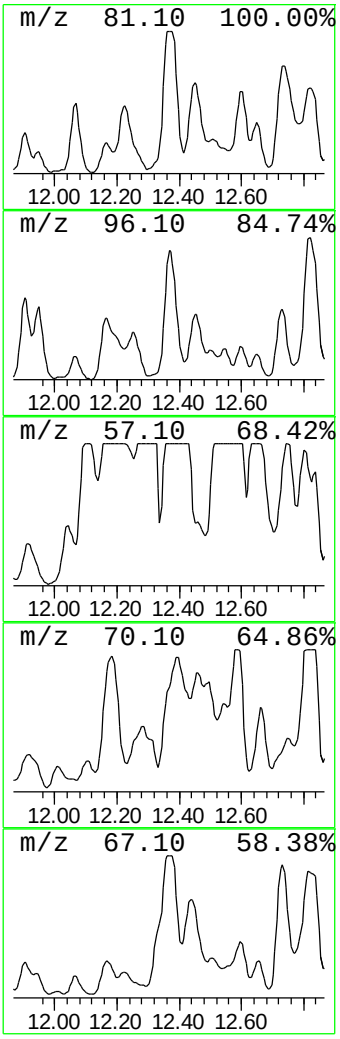
Peak Number 10 1-Methylcyclooctene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	2014.75 ug/l	286037000	Chlorobenzene-d5	11.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methylcyclooctene	124	C9H16	000933-11-9	53
2	2,4-Hexadiene, 3-methyl-	96	C7H12	028823-42-9	43
3	1-Methyl-cyclohexyl propionate	170	C10H18O2	091328-37-9	43
4	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	43
5	Cyclohexanol, 1-methyl-, acetate	156	C9H16O2	016737-30-7	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD112019\
Data File : VD064314.D
Acq On : 20 Nov 2019 15:47
Operator : VA/SY
Sample : K5957-01
Misc : 4.98G/5.00ml/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : MW-1-(12-14)

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
Cyclohexane, 1,1,...	11.26	513.8	ug/l	72951200	3	11.65	7098580	50.0
Heptane, 2,3-dime...	11.37	293.2	ug/l	41628600	3	11.65	7098580	50.0
Cyclohexane, 1,2,...	11.46	728.4	ug/l	103417000	3	11.65	7098580	50.0
Cyclohexane, 1,2,...	11.79	289.2	ug/l	41051800	3	11.65	7098580	50.0
Cyclohexane, 1,1,...	11.84	294.0	ug/l	41745200	3	11.65	7098580	50.0
Cyclohexanone, 4-...	11.91	1018.3	ug/l	144569000	3	11.65	7098580	50.0
Heptane, 2,4,6-tr...	12.10	709.0	ug/l	100658000	3	11.65	7098580	50.0
unknown12.29	12.29	401.9	ug/l	57050900	3	11.65	7098580	50.0
1-Methylcyclooctene	12.37	2014.8	ug/l	286037000	3	11.65	7098580	50.0