LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122123\
Data File : VL040926.D
Acq On : 21 Dec 2023 12:17
Operator : SY/MD
Sample : 05813-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
10311

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 3 Min Area: 3 % of largest Peak
Start Thrs: 0.001 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 0

Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

Signal : TIC: VL040926.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.726	30	38	63	rVB3	1320129	2181286	19.00%	2.234%
2	2.890	81	89	103	rBV2	856170	1115069	9.71%	1.142%
3	2.980	110	117	125	rBV	813287	978617	8.52%	1.002%
4	3.028	125	132	144	rVB	1278169	1513645	13.18%	1.550%
5	3.250	192	201	222	rBV	1318253	2394715	20.86%	2.452%
6	3.475	262	271	292	rBV3	1304150	2725956	23.74%	2.791%
7	3.584	295	305	332	rVV	6129808	11481561	100.00%	11.757%
8	3.687	335	337	344	rVV2	123880	156716	1.36%	0.160%
9	3.738	344	353	362	rVV2	470601	690902	6.02%	0.707%
10	3.793	362	370	384	rVB10	125600	276556	2.41%	0.283%
11	3.938	408	415	431	rVB3	568161	962177	8.38%	0.985%
12	4.517	582	595	611	rBV	1274052	2522234	21.97%	2.583%
13	4.607	614	623	630	rVV5	233169	491620	4.28%	0.503%
14	4.655	630	638	649	rVB2	323242	563791	4.91%	0.577%
15	4.787	670	679	686	rBV	95989	140495	1.22%	0.144%
16	4.902	705	715	728	rVB3	205744	355676	3.10%	0.364%
17	5.185	790	803	827	rBV3	2701840	5973296	52.03%	6.117%
18	5.806	981	996	1020	rBV4	282372	703560	6.13%	0.720%
19	6.304	1139	1151	1157	rBV5	91476	190437	1.66%	0.195%
20	6.352	1157	1166	1177	rVB3	208453	402908	3.51%	0.413%
21	6.584	1224	1238	1242	rBV3	181969	322287	2.81%	0.330%
22	6.635	1242	1254	1269	rVV	3780825	7424919	64.67%	7.603%
23	6.709	1269	1277	1289	rVB4	248613	544283	4.74%	0.557%
24	6.934	1324	1347	1369	rBV3	248610	626412	5.46%	0.641%
25	7.156	1399	1416	1420	rBV6	91282	167678	1.46%	0.172%
26	7.217	1433	1435	1449	rVB9	94624	141255	1.23%	0.145%
27	7.304	1449	1462	1480	rVB2	424126	999179	8.70%	1.023%
28	7.558	1529	1541	1552	rBV4	372643	765770	6.67%	0.784%
29	8.221	1736	1747	1775	rVB4	265151	704489	6.14%	0.721%
30	8.455	1808	1820	1829	rBV5	80245	169991	1.48%	0.174%
31	8.526	1831	1842	1851	rBV4	109524	227250	1.98%	0.233%
32	9.031	1986	1999	2014	rBV5	189161	453620	3.95%	0.464%
33	9.192	2032	2049	2073	rBV3	1117790	2524731	21.99%	2.585%
34	9.452	2116	2130	2138	rBV3	138223	301323	2.62%	0.309%
35	9.684	2188	2202	2212	rBV5	115690	259953	2.26%	0.266%
36	10.015	2286	2305	2322	rBV5	99876	302208	2.63%	0.309%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122123\
Data File : VL040926.D
Acq On : 21 Dec 2023 12:17
Operator : SY/MD
Sample : 05813-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
10311

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 3 Min Area: 3 % of largest Peak
Start Thrs: 0.001 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 0

Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

37	10.362	2397	2413	2427	rBV3	203285	487733	4.25%	0.499%
38	10.458	2431	2443	2460	rVB3	211427	500336	4.36%	0.512%
39	11.082	2614	2637	2663	rBV3	3270562	9248791	80.55%	9.471%
40	11.436	2725	2747	2771	rBV	3651969	8560486	74.56%	8.766%
41	12.060	2927	2941	2955	rVB2	202163	465579	4.06%	0.477%
42	12.310	2999	3019	3046	rVB2	494146	1591518	13.86%	1.630%
43	13.024	3225	3241	3257	rVB3	218279	511170	4.45%	0.523%
44	13.497	3376	3388	3398	rBV3	103864	240484	2.09%	0.246%
45	13.744	3444	3465	3486	rBV2	3305348	8077967	70.36%	8.272%
46	13.815	3486	3487	3504	rVB10	78008	130865	1.14%	0.134%
47	15.092	3870	3884	3895	rBV2	119371	289841	2.52%	0.297%
48	15.166	3897	3907	3915	rBV7	66689	135141	1.18%	0.138%
49	15.320	3938	3955	3963	rBV4	67125	151985	1.32%	0.156%
50	15.455	3981	3997	4017	rVB3	429271	1166307	10.16%	1.194%
51	15.844	4105	4118	4135	rBV4	130679	343623	2.99%	0.352%
52	15.989	4149	4163	4169	rBV4	78855	164394	1.43%	0.168%
53	16.069	4173	4188	4189	rVV4	199474	332203	2.89%	0.340%
54	16.079	4189	4191	4204	rVB3	196310	243634	2.12%	0.249%
55	16.339	4246	4272	4297	rBV2	1483441	5027411	43.79%	5.148%
56	16.442	4297	4304	4318	rVB7	156614	400696	3.49%	0.410%
57	16.600	4351	4353	4370	rVB7	87968	137791	1.20%	0.141%
58	16.982	4470	4472	4489	rVB8	66274	133894	1.17%	0.137%
59	17.256	4539	4557	4582	rBV5	543154	1580463	13.77%	1.618%
60	17.493	4613	4631	4645	rBV3	152205	429957	3.74%	0.440%
61	17.670	4669	4686	4698	rBV3	371880	1051448	9.16%	1.077%
62	17.728	4703	4704	4725	rVB3	92553	149458	1.30%	0.153%
63	18.124	4809	4827	4830	rBV4	74243	150669	1.31%	0.154%
64	18.214	4839	4855	4887	rVB5	341165	1342764	11.69%	1.375%
65	18.374	4887	4905	4921	rBV4	311413	883819	7.70%	0.905%
66	18.764	5005	5026	5047	rBV6	261167	865403	7.54%	0.886%
67	20.770	5627	5650	5667	rBV2	290612	1106255	9.64%	1.133%

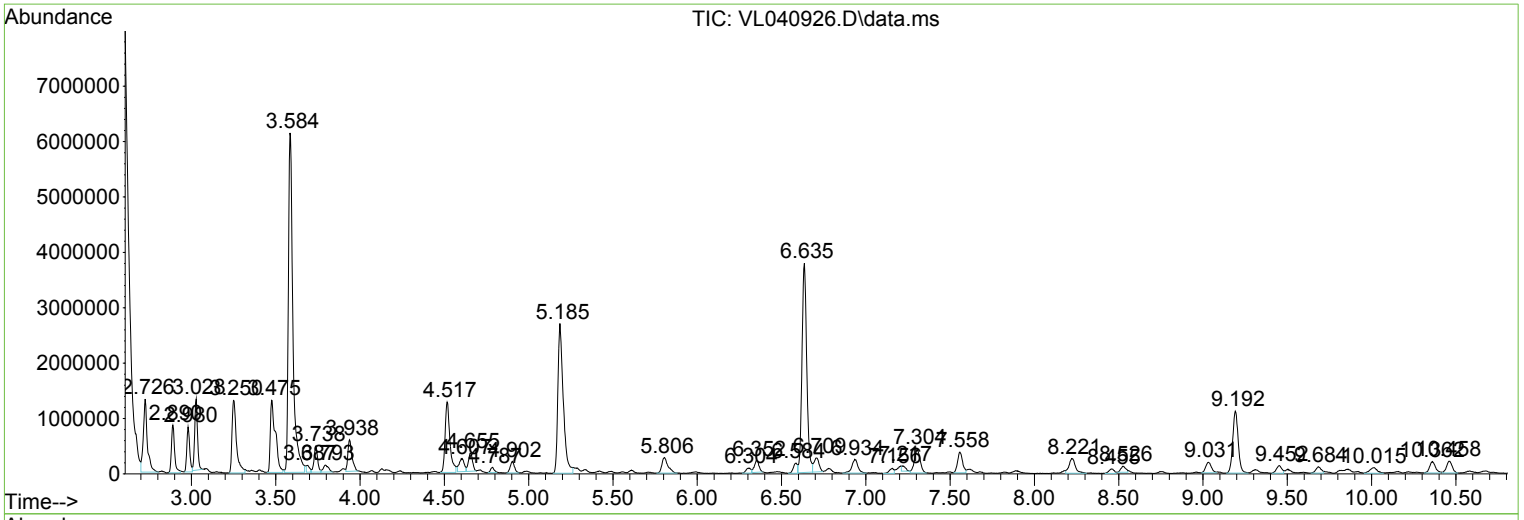
Sum of corrected areas: 97658650

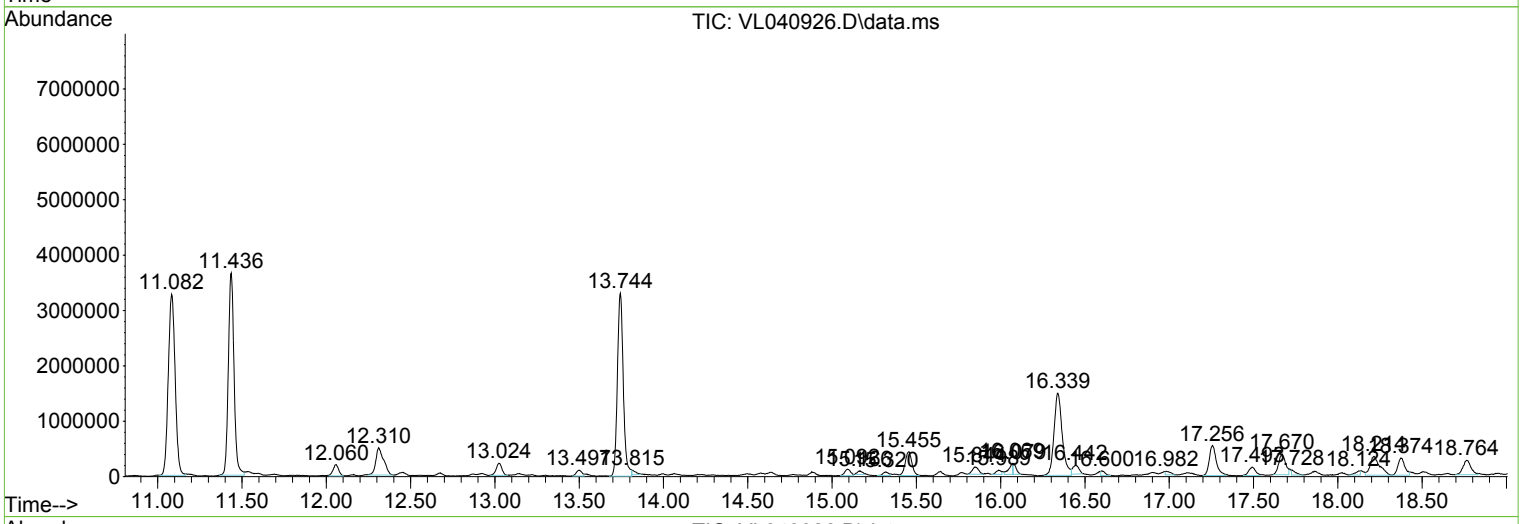
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122123\
Data File : VL040926.D
Acq On : 21 Dec 2023 12:17
Operator : SY/MD
Sample : 05813-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

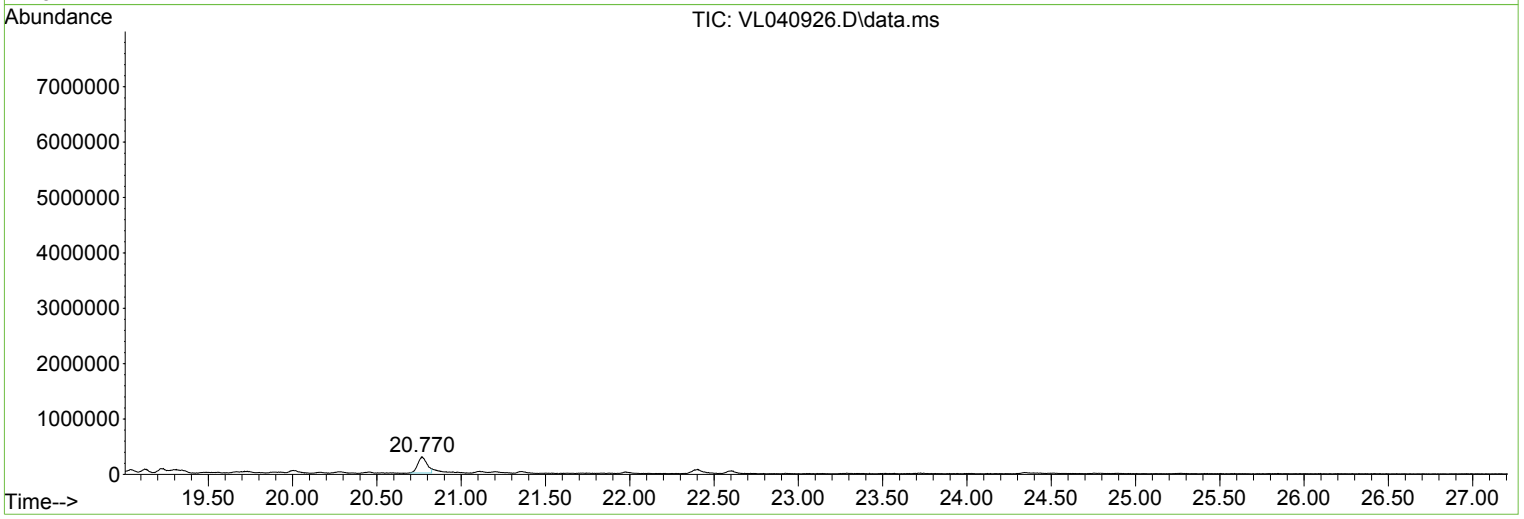
Instrument :
MSVOA_L
ClientSampleId :
10311

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122123\
Data File : VL040926.D
Acq On : 21 Dec 2023 12:17
Operator : SY/MD
Sample : 05813-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
10311

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

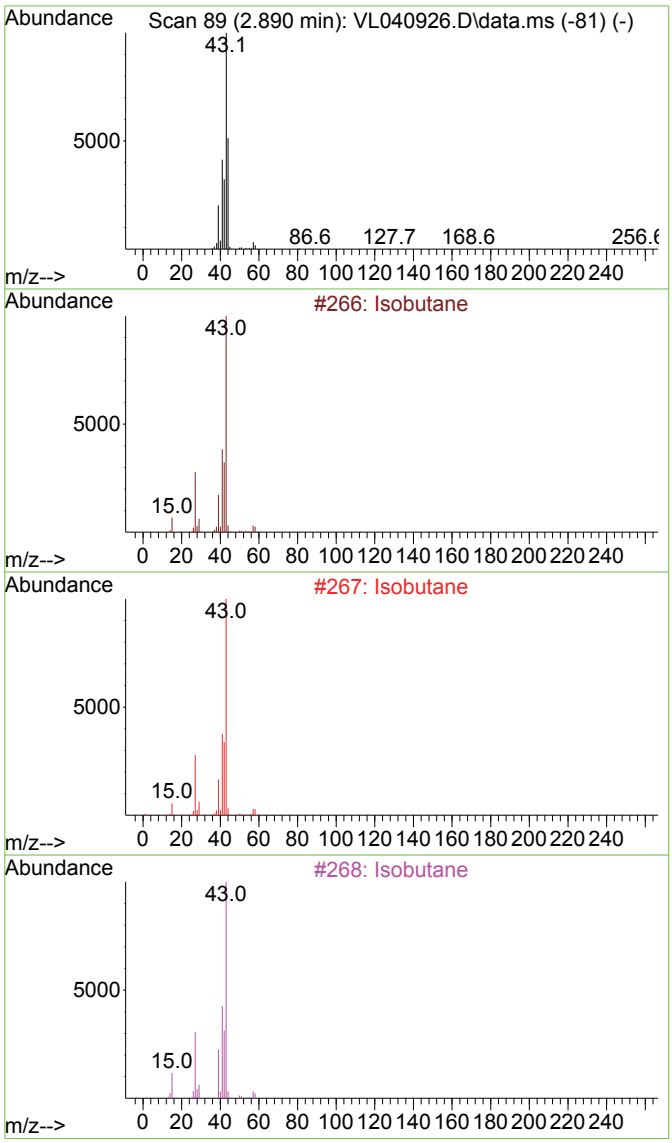
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

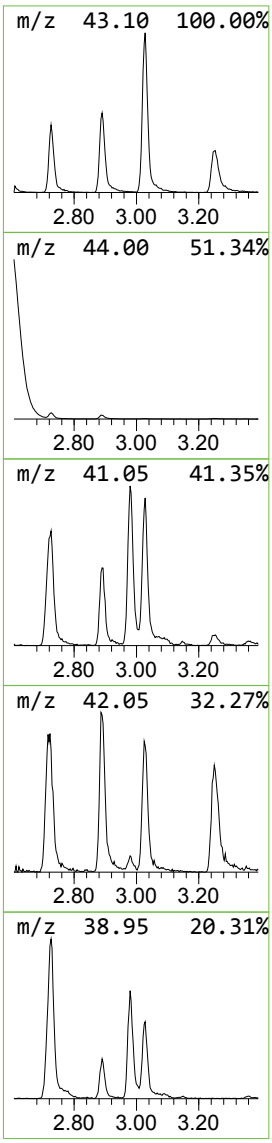
****

Peak Number 1 unknown2.890 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.890	1.87 ppbv	1115070	Bromochloromethane	5.182

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutane	58	C4H10	000075-28-5	25
2	Isobutane	58	C4H10	000075-28-5	25
3	Isobutane	58	C4H10	000075-28-5	9
4	Isobutane	58	C4H10	000075-28-5	9
5	Isobutane	58	C4H10	000075-28-5	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122123\
Data File : VL040926.D
Acq On : 21 Dec 2023 12:17
Operator : SY/MD
Sample : 05813-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
10311

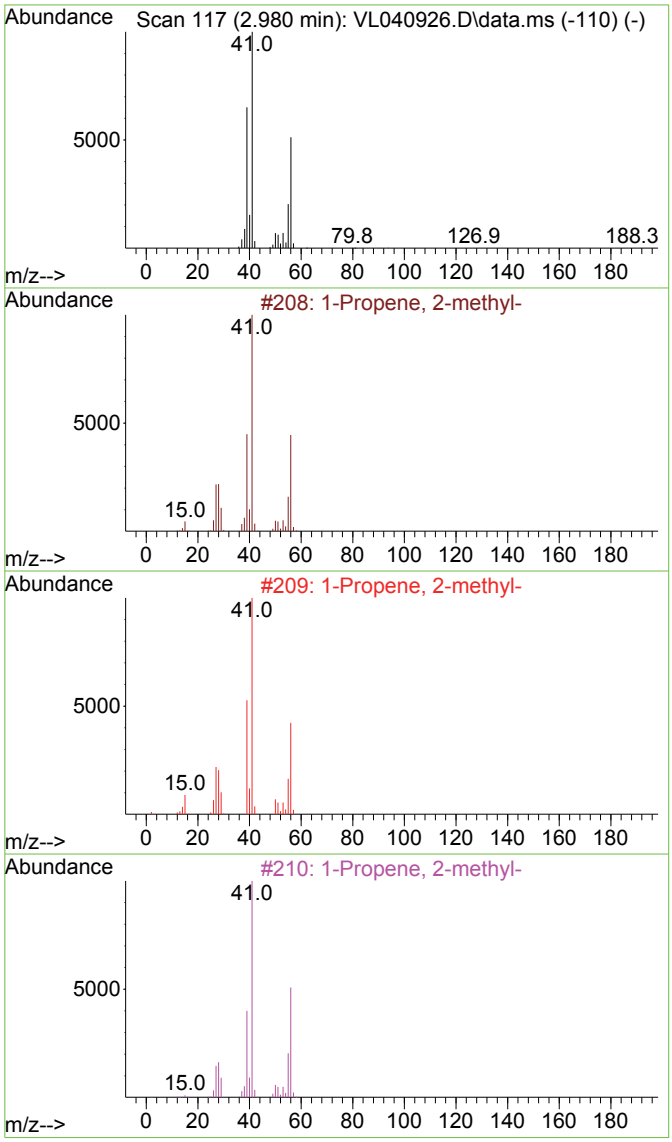
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

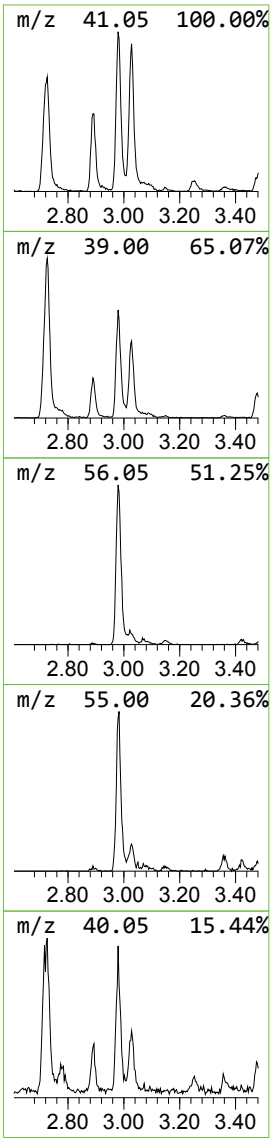
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 1-Propene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.980	1.64 ppbv	978617	Bromochloromethane	5.182

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propene, 2-methyl-	56	C4H8	000115-11-7	86
2	1-Propene, 2-methyl-	56	C4H8	000115-11-7	80
3	1-Propene, 2-methyl-	56	C4H8	000115-11-7	53
4	Cyclobutane	56	C4H8	000287-23-0	49
5	1-Butene	56	C4H8	000106-98-9	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122123\
Data File : VL040926.D
Acq On : 21 Dec 2023 12:17
Operator : SY/MD
Sample : 05813-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
10311

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

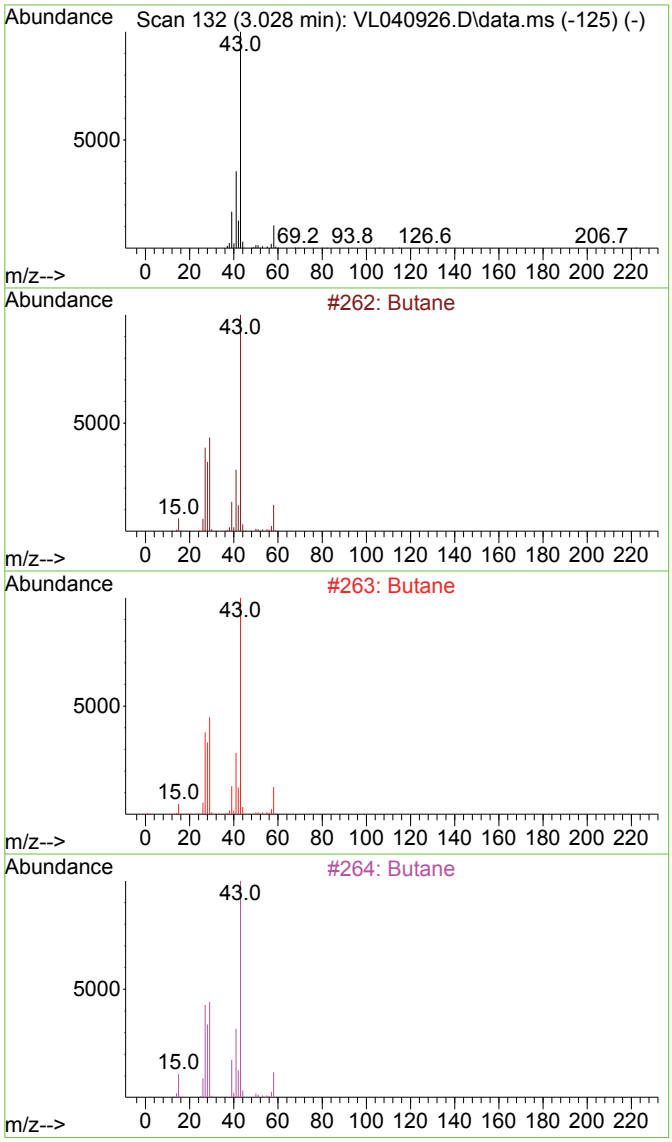
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

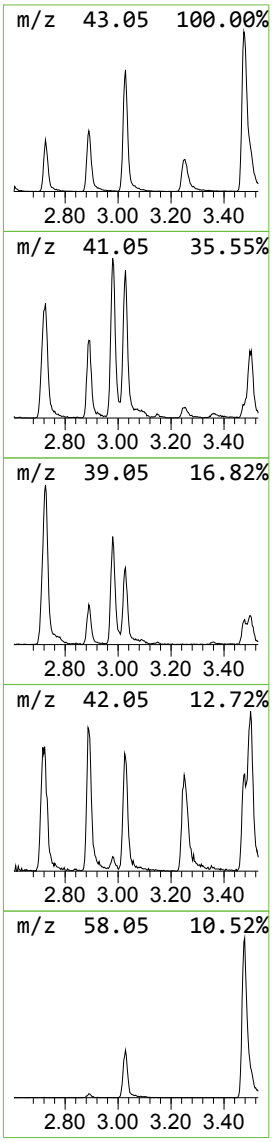
****

Peak Number 3 Butane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.028	2.53 ppbv	1513650	Bromochloromethane	5.182

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane	58	C4H10	000106-97-8	72
2	Butane	58	C4H10	000106-97-8	72
3	Butane	58	C4H10	000106-97-8	64
4	Butane	58	C4H10	000106-97-8	64
5	Propane, 1-nitro-	89	C3H7NO2	000108-03-2	33





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122123\
Data File : VL040926.D
Acq On : 21 Dec 2023 12:17
Operator : SY/MD
Sample : 05813-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
10311

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

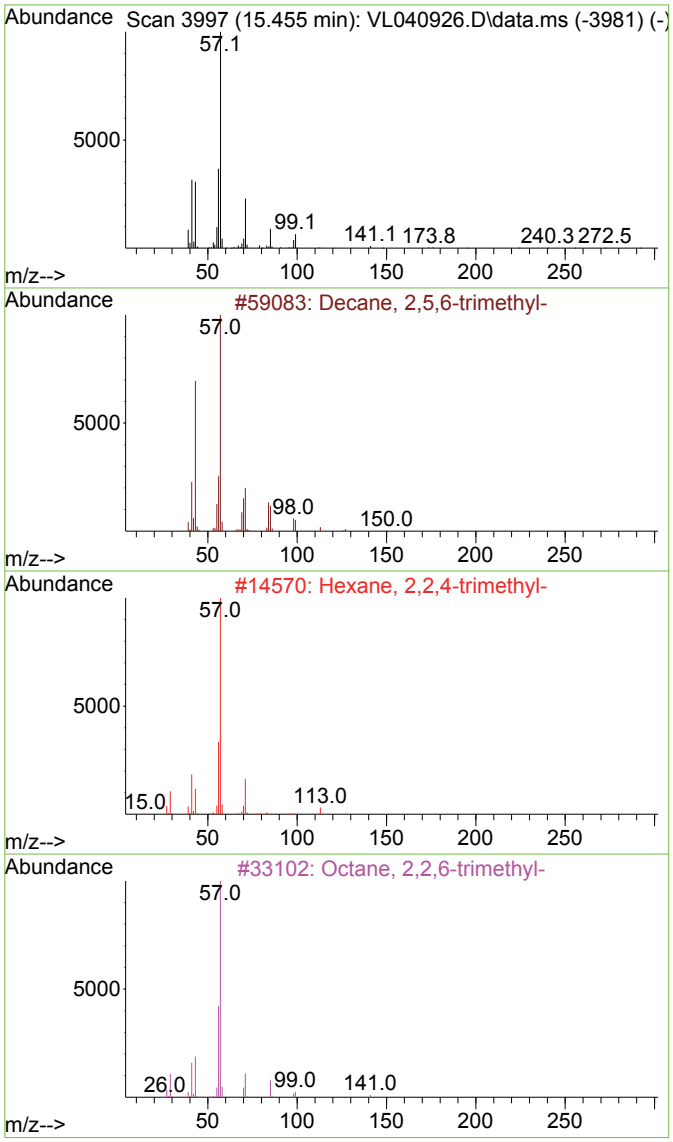
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

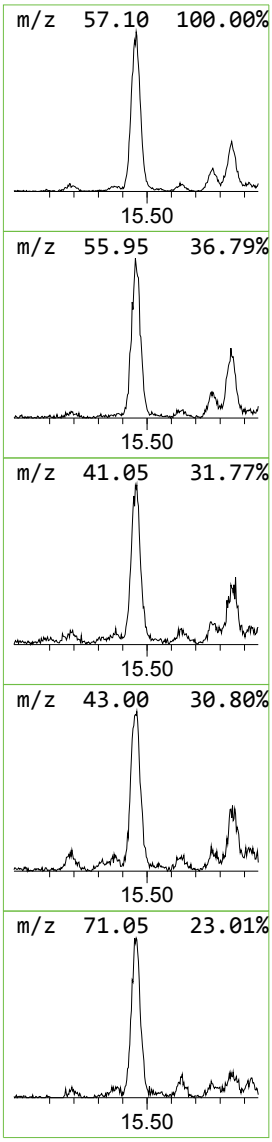
****

Peak Number 6 Decane, 2,5,6-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.455	1.36 ppbv	1166310	Chlorobenzene-d5	11.436

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,5,6-trimethyl-	184	C13H28	062108-23-0	64
2	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	59
3	Octane, 2,2,6-trimethyl-	156	C11H24	062016-28-8	59
4	Heptane, 2,2-dimethyl-	128	C9H20	001071-26-7	58
5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122123\
Data File : VL040926.D
Acq On : 21 Dec 2023 12:17
Operator : SY/MD
Sample : 05813-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
10311

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

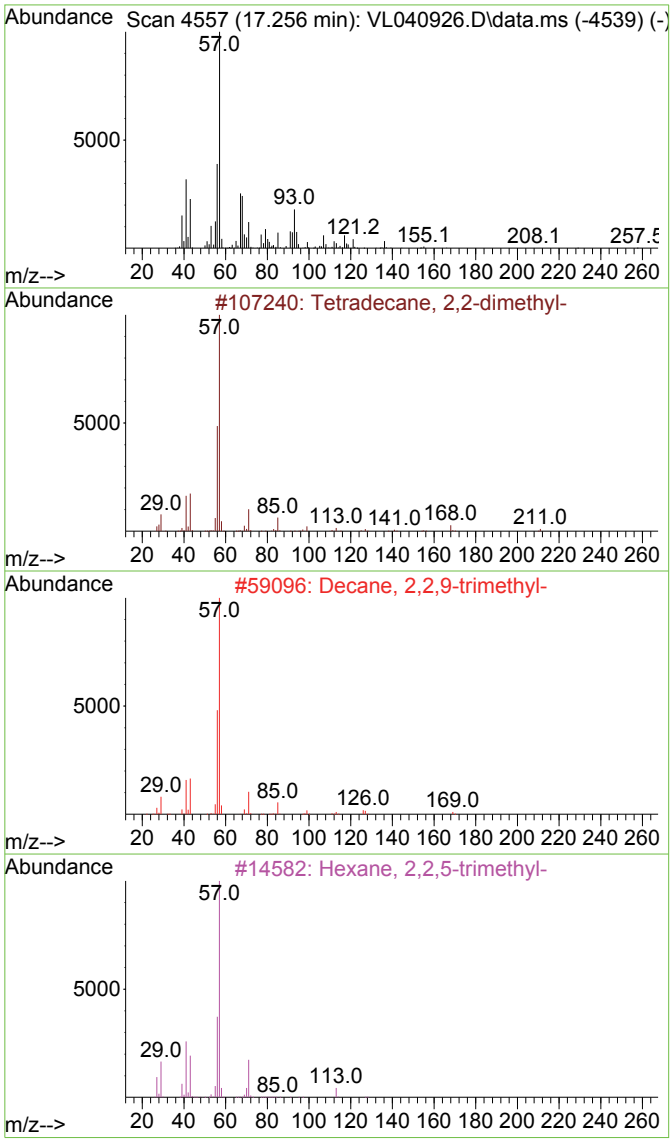
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

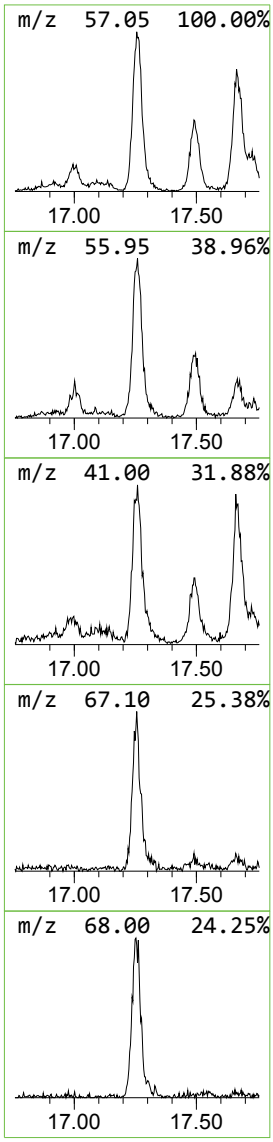
****

Peak Number 8 unknown17.256 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.256	1.85 ppbv	1580460	Chlorobenzene-d5	11.436

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane, 2,2-dimethyl-	226	C16H34	059222-86-5	35
2	Decane, 2,2,9-trimethyl-	184	C13H28	062238-00-0	35
3	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	35
4	Heptane, 4-ethyl-2,2,6,6-tetrame...	184	C13H28	062108-31-0	35
5	Decane, 2,2-dimethyl-	170	C12H26	017302-37-3	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122123\
Data File : VL040926.D
Acq On : 21 Dec 2023 12:17
Operator : SY/MD
Sample : 05813-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
10311

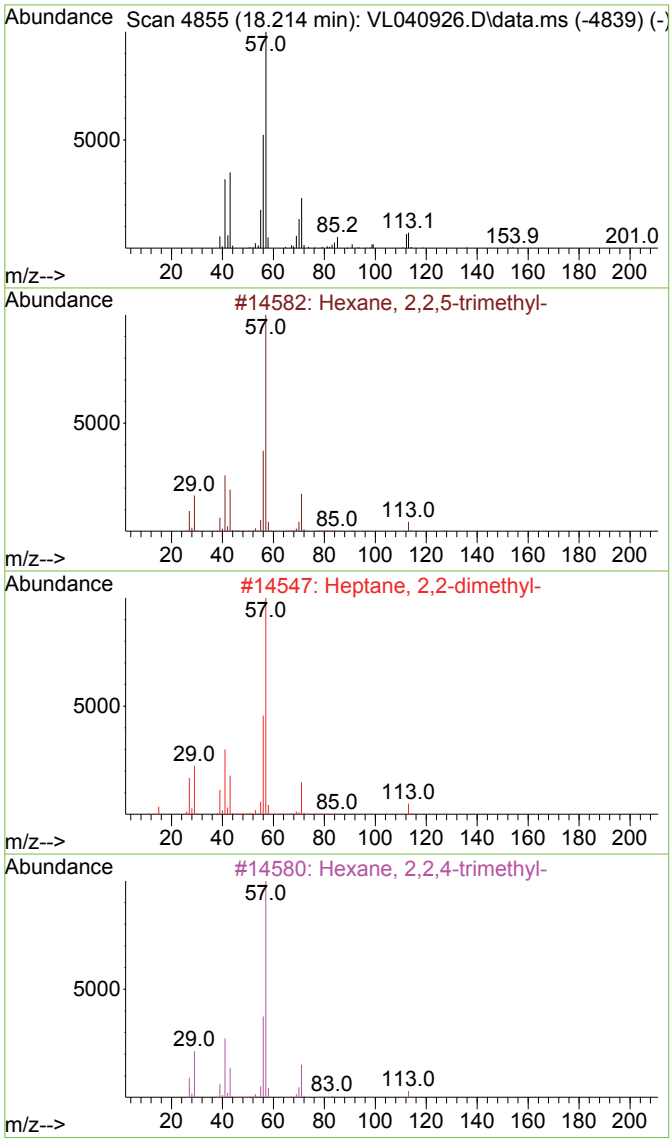
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

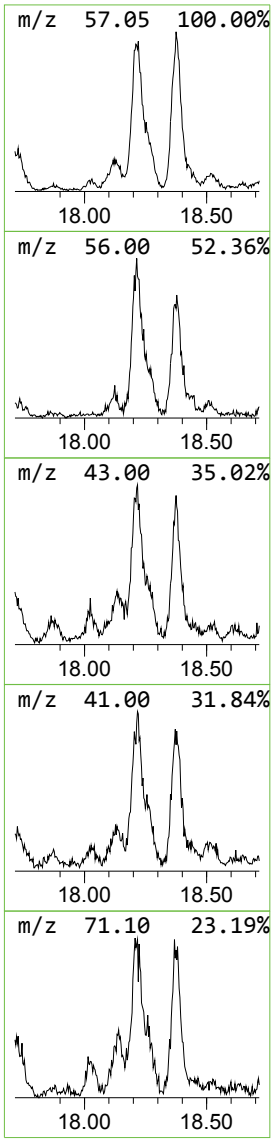
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Hexane, 2,2,5-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.214	1.57 ppbv	1342760	Chlorobenzene-d5	11.436

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	64
2	Heptane, 2,2-dimethyl-	128	C9H20	001071-26-7	59
3	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	59
4	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	59
5	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122123\
Data File : VL040926.D
Acq On : 21 Dec 2023 12:17
Operator : SY/MD
Sample : 05813-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
10311

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown2.890	2.890	1.9	ppbv	1115070	1	5.182	5973300	10.0
1-Propene, 2-me...	2.980	1.6	ppbv	978617	1	5.182	5973300	10.0
Butane	3.028	2.5	ppbv	1513650	1	5.182	5973300	10.0
Decane, 2,5,6-t...	15.455	1.4	ppbv	1166310	3	11.436	8560490	10.0
unknown17.256	17.256	1.9	ppbv	1580460	3	11.436	8560490	10.0
Hexane, 2,2,5-t...	18.214	1.6	ppbv	1342760	3	11.436	8560490	10.0