LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
Data File : VL042281.D
Acq On : 09 Apr 2025 01:49
Operator : SY/MD
Sample : Q1728-05 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-6-04022025

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\VL032725AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

Signal : TIC: VL042281.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.431	410	415	420	rBV	3363868	2981239	94.30%	16.851%
2	1.486	428	432	441	rVB4	76721	53419	1.69%	0.302%
3	1.557	450	454	460	rBV	531517	299935	9.49%	1.695%
4	1.602	463	468	471	rBV	403213	218424	6.91%	1.235%
5	1.722	500	505	510	rVB	82428	49786	1.57%	0.281%
6	1.835	535	540	548	rBV	4204413	3161343	100.00%	17.869%
7	1.887	551	556	560	rVV	68890	45778	1.45%	0.259%
8	2.062	607	610	615	rVB	71804	49702	1.57%	0.281%
9	2.149	632	637	643	rBV	49514	42377	1.34%	0.240%
10	2.476	732	738	744	rVB	60573	59443	1.88%	0.336%
11	2.560	758	764	774	rBV	207336	204981	6.48%	1.159%
12	2.628	777	785	793	rVB2	39065	49843	1.58%	0.282%
13	2.787	823	834	842	rBV	548305	575252	18.20%	3.252%
14	2.826	842	846	860	rVB5	52594	68555	2.17%	0.387%
15	3.690	1109	1113	1128	rVB4	30125	47192	1.49%	0.267%
16	3.959	1182	1196	1212	rBV	683126	1046399	33.10%	5.915%
17	4.056	1215	1226	1235	rVV3	86093	158612	5.02%	0.897%
18	4.098	1235	1239	1253	rVB4	27455	43041	1.36%	0.243%
19	4.269	1278	1292	1303	rBV5	47576	94952	3.00%	0.537%
20	4.641	1386	1407	1423	rVB2	92194	228523	7.23%	1.292%
21	4.751	1432	1441	1455	rBV4	23327	50272	1.59%	0.284%
22	4.985	1500	1513	1524	rBV6	27906	57837	1.83%	0.327%
23	5.664	1707	1723	1725	rBV7	40547	64770	2.05%	0.366%
24	5.674	1725	1726	1741	rVB5	40601	46287	1.46%	0.262%
25	5.784	1748	1760	1778	rVB8	23452	69312	2.19%	0.392%
26	6.205	1877	1890	1898	rBV6	25584	59854	1.89%	0.338%
27	6.273	1907	1911	1928	rVB5	28153	54747	1.73%	0.309%
28	6.829	2068	2083	2097	rVB5	39882	89733	2.84%	0.507%
29	6.936	2100	2116	2135	rBV3	371363	785495	24.85%	4.440%
30	7.192	2181	2195	2216	rVB3	53661	130079	4.11%	0.735%
31	7.376	2238	2252	2262	rBV7	21035	44863	1.42%	0.254%
32	7.448	2265	2274	2288	rVB7	33529	82288	2.60%	0.465%
33	7.622	2311	2328	2338	rBV6	80511	204221	6.46%	1.154%
34	7.674	2338	2344	2361	rVB8	48555	105794	3.35%	0.598%
35	7.823	2379	2390	2400	rVB8	23556	43450	1.37%	0.246%
36	7.898	2402	2413	2419	rBV4	34699	63340	2.00%	0.358%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
Data File : VL042281.D
Acq On : 09 Apr 2025 01:49
Operator : SY/MD
Sample : Q1728-05 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-6-04022025

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\VL032725AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

37	8.140	2475	2488	2498	rBV6	83074	149556	4.73%	0.845%
38	8.315	2526	2542	2555	rVB7	72840	163491	5.17%	0.924%
39	8.768	2675	2682	2694	rVB4	26979	42951	1.36%	0.243%
40	8.881	2702	2717	2728	rBV2	954158	1494886	47.29%	8.450%
41	8.982	2741	2748	2749	rBV	86281	72528	2.29%	0.410%
42	9.004	2749	2755	2765	rVB4	133047	219876	6.96%	1.243%
43	9.098	2775	2784	2791	rBV2	92110	138717	4.39%	0.784%
44	9.147	2791	2799	2816	rVV4	144030	293662	9.29%	1.660%
45	9.221	2816	2822	2844	rVB5	43158	90767	2.87%	0.513%
46	9.354	2850	2863	2868	rBV4	43822	72270	2.29%	0.408%
47	9.419	2876	2883	2893	rVB4	63731	89249	2.82%	0.504%
48	9.532	2909	2918	2923	rBV2	75244	107975	3.42%	0.610%
49	9.561	2923	2927	2935	rVB6	66272	89370	2.83%	0.505%
50	9.658	2950	2957	2966	rVB6	33151	45247	1.43%	0.256%
51	9.720	2975	2976	2990	rVB6	33561	42130	1.33%	0.238%
52	9.794	2990	2999	3009	rBV2	32333	55868	1.77%	0.316%
53	9.865	3014	3021	3028	rVB5	37390	53030	1.68%	0.300%
54	9.962	3038	3051	3056	rBV2	42526	67457	2.13%	0.381%
55	10.098	3088	3093	3101	rVB6	31716	44835	1.42%	0.253%
56	10.147	3101	3108	3120	rVB8	29782	52420	1.66%	0.296%
57	10.377	3157	3179	3190	rBV	1190759	1503157	47.55%	8.496%
58	10.432	3190	3196	3204	rVB3	47086	68799	2.18%	0.389%
59	10.859	3321	3328	3334	rBV2	74198	82115	2.60%	0.464%
60	10.901	3334	3341	3353	rVB	736221	836290	26.45%	4.727%
61	11.011	3366	3375	3384	rVB5	63554	96698	3.06%	0.547%
62	11.205	3423	3435	3442	rBV6	57721	81042	2.56%	0.458%
63	11.775	3599	3611	3618	rVB4	59454	99508	3.15%	0.562%
64	12.228	3744	3751	3756	rBV3	50710	63738	2.02%	0.360%
65	12.254	3756	3759	3769	rVB2	39189	42919	1.36%	0.243%

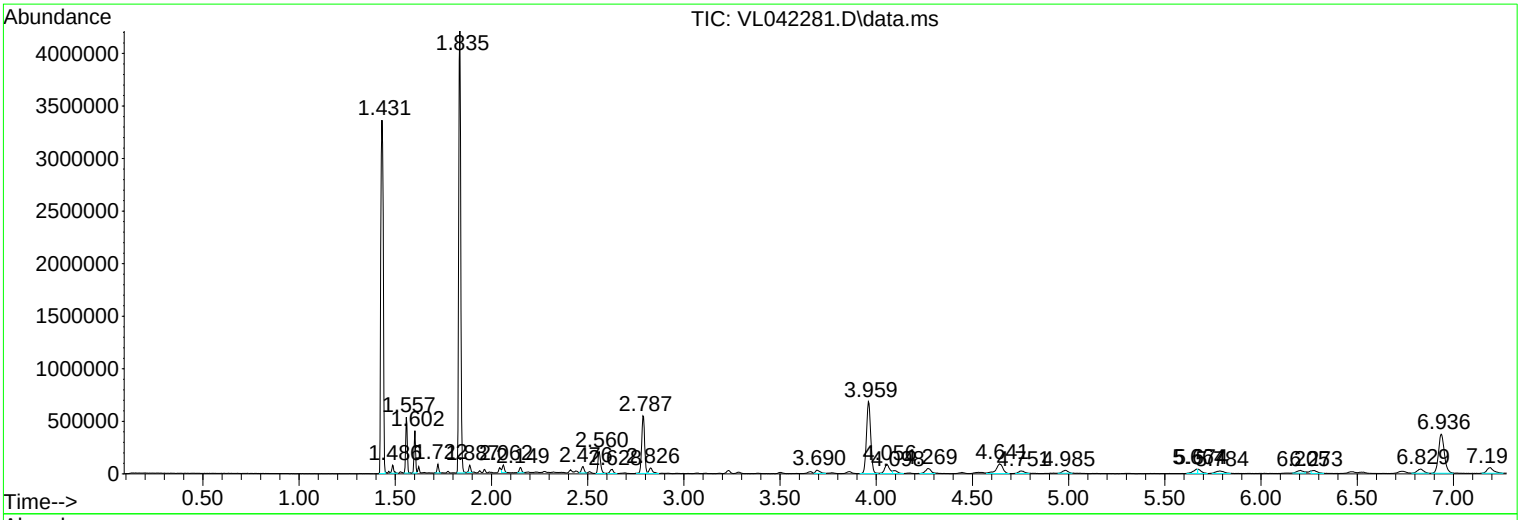
Sum of corrected areas: 17691689

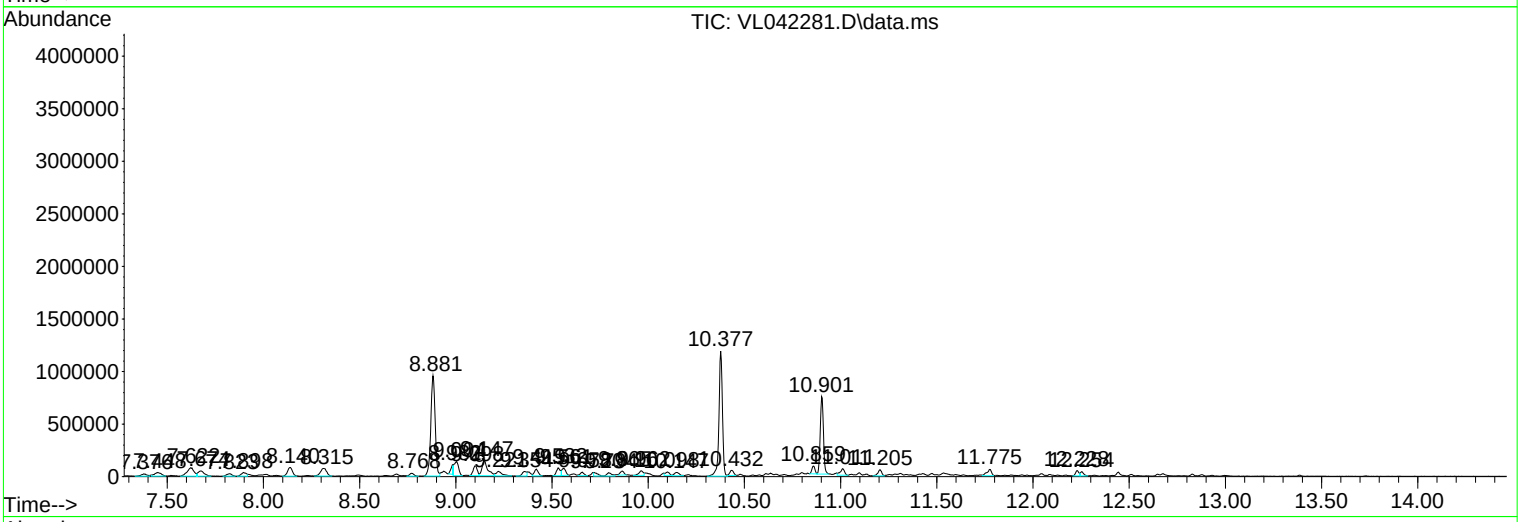
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
Data File : VL042281.D
Acq On : 09 Apr 2025 01:49
Operator : SY/MD
Sample : Q1728-05 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

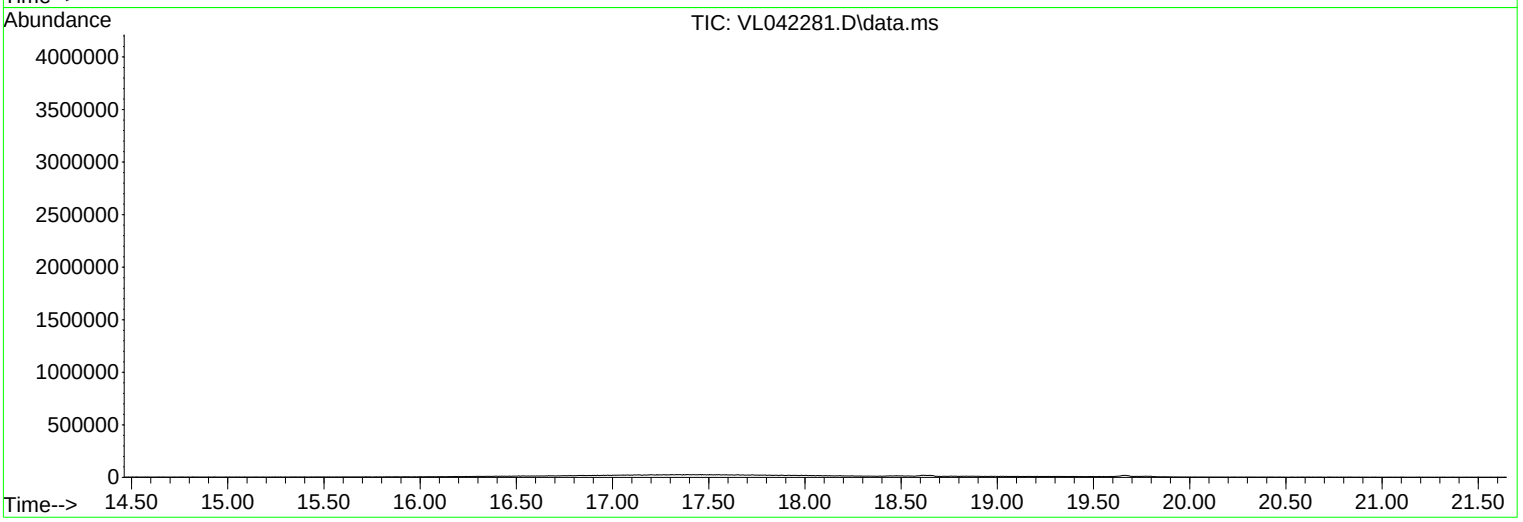
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-6-04022025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.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\VL040825\
Data File : VL042281.D
Acq On : 09 Apr 2025 01:49
Operator : SY/MD
Sample : Q1728-05 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-6-04022025

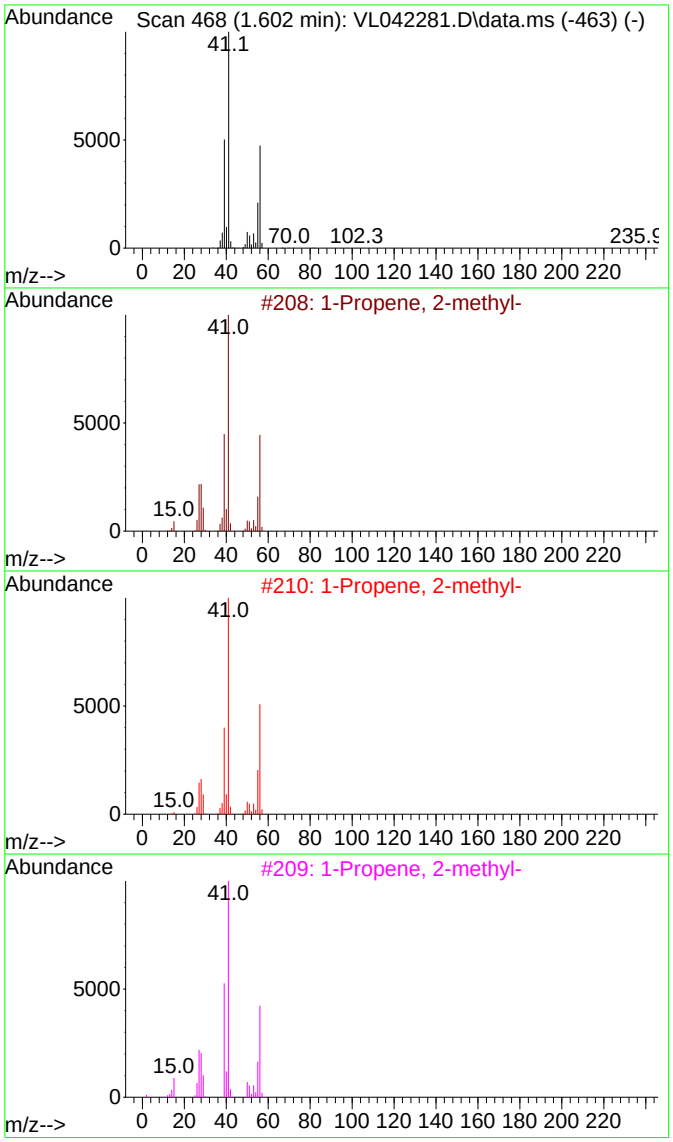
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

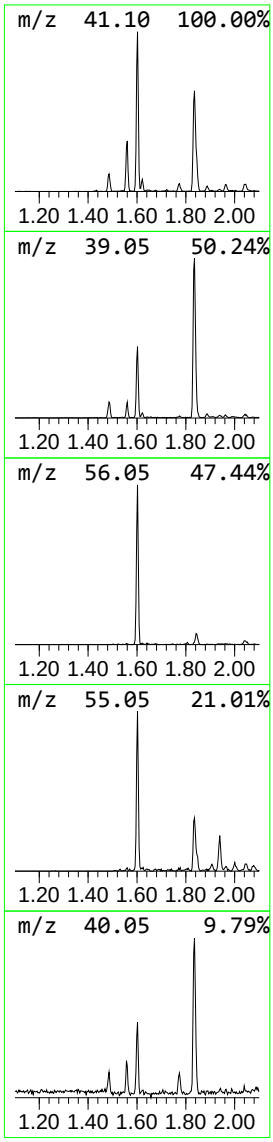
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.602	3.80 ppbv	218424	Bromochloromethane	2.787

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propene, 2-methyl-	56	C4H8	000115-11-7	90
2	1-Propene, 2-methyl-	56	C4H8	000115-11-7	90
3	1-Propene, 2-methyl-	56	C4H8	000115-11-7	80
4	2-Butene, (Z)-	56	C4H8	000590-18-1	80
5	2-Butene, (Z)-	56	C4H8	000590-18-1	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
Data File : VL042281.D
Acq On : 09 Apr 2025 01:49
Operator : SY/MD
Sample : Q1728-05 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-6-04022025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

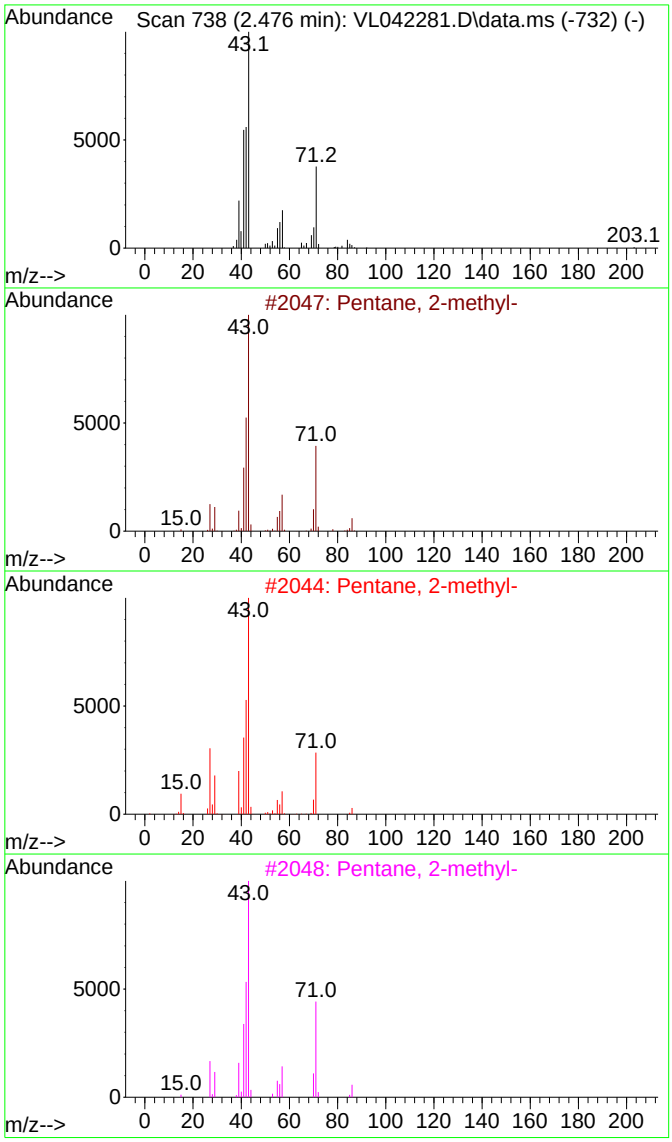
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

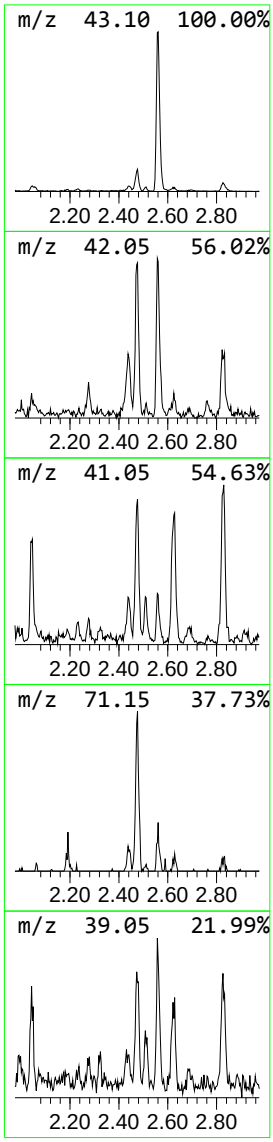
****

Peak Number 3 Pentane, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.476	1.03 ppbv	59443	Bromochloromethane	2.787

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	86
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	64
3	Pentane, 2-methyl-	86	C6H14	000107-83-5	64
4	Pentane, 2-methyl-	86	C6H14	000107-83-5	64
5	Pentane, 2-methyl-	86	C6H14	000107-83-5	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
Data File : VL042281.D
Acq On : 09 Apr 2025 01:49
Operator : SY/MD
Sample : Q1728-05 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-6-04022025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

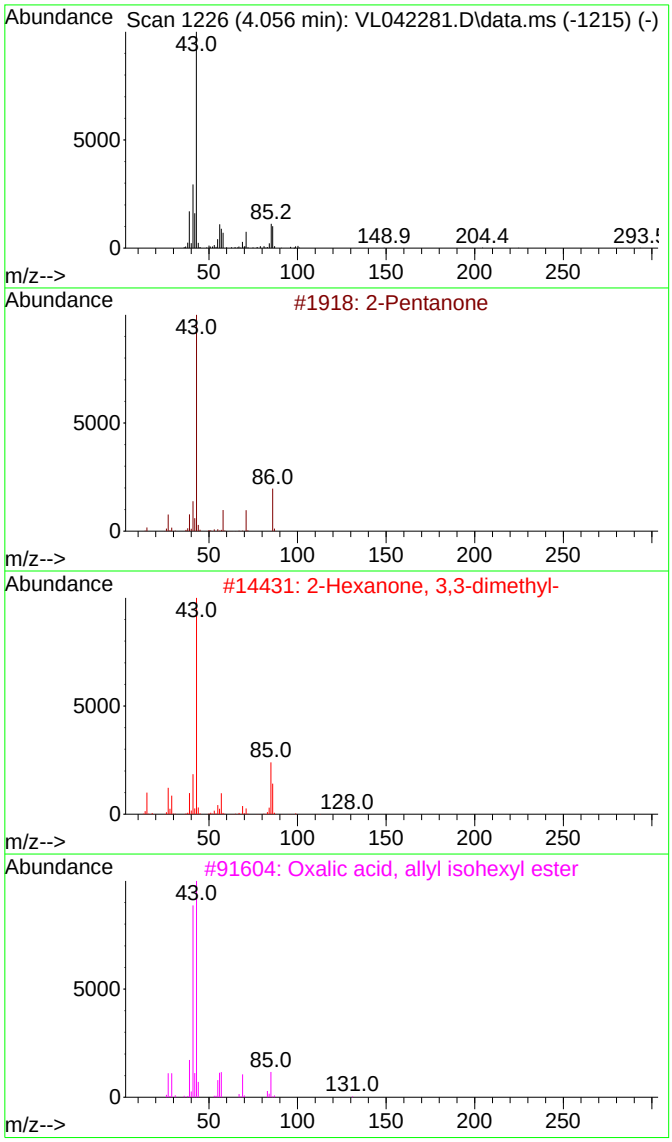
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

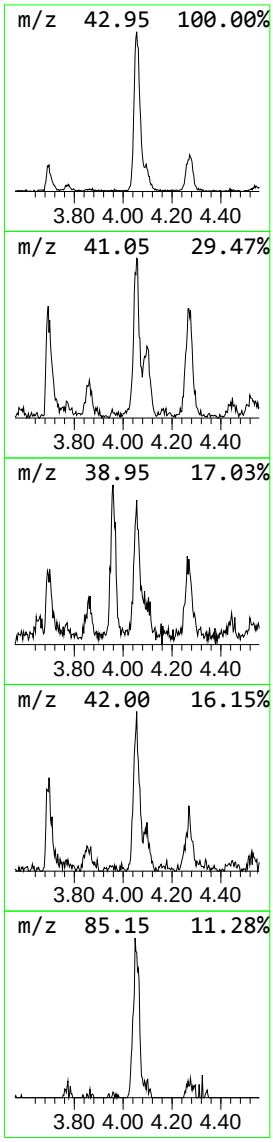
****

Peak Number 4 unknown4.056 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.056	1.52 ppbv	158612	1,4-Difluorobenzene	3.958

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone	86	C5H10O	000107-87-9	46
2	2-Hexanone, 3,3-dimethyl-	128	C8H16O	026118-38-7	40
3	Oxalic acid, allyl isohexyl ester	214	C11H18O4	1000309-23-3	36
4	Oxalic acid, allyl hexyl ester	214	C11H18O4	1000309-23-4	33
5	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	27





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
Data File : VL042281.D
Acq On : 09 Apr 2025 01:49
Operator : SY/MD
Sample : Q1728-05 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-6-04022025

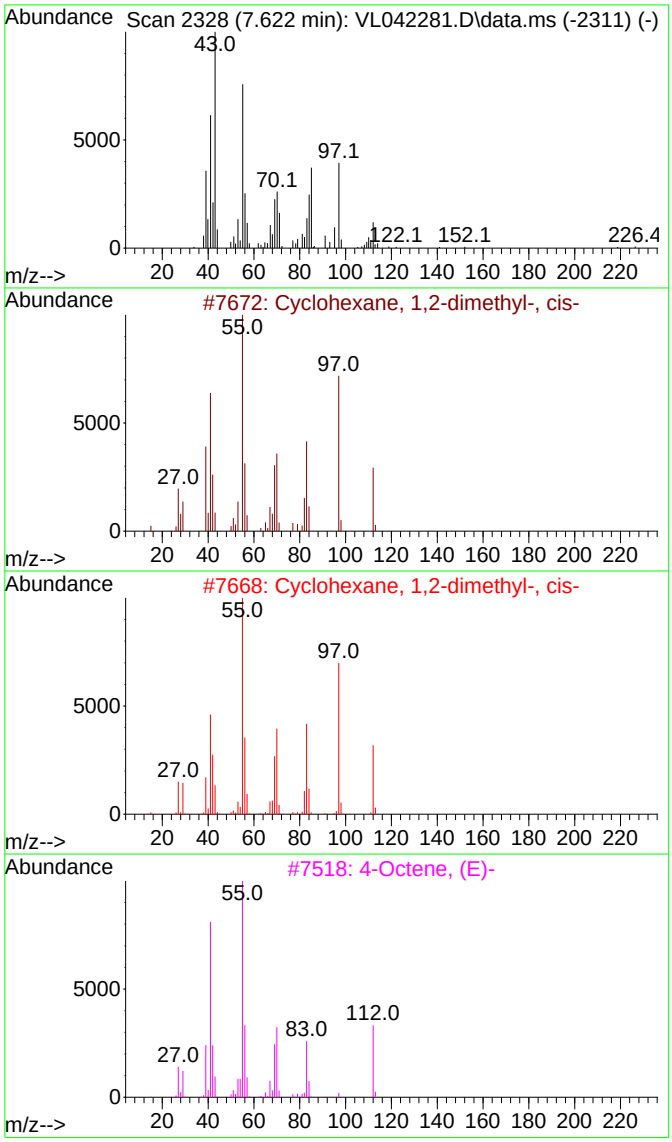
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

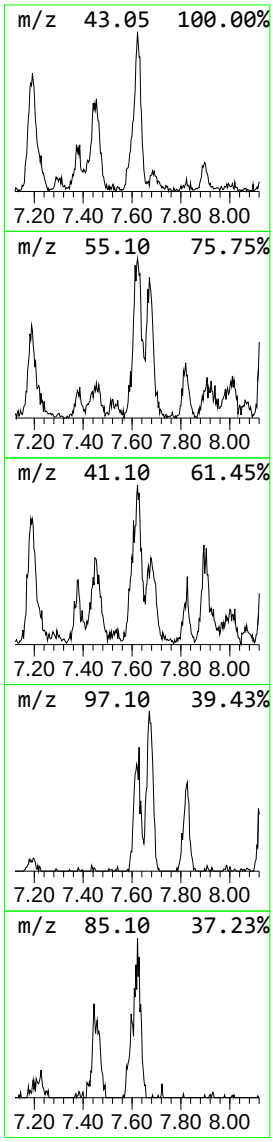
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Cyclohexane, 1,2-dimethyl-,... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.622	1.37 ppbv	204221	Chlorobenzene-d5	8.881

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	70
2	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	62
3	4-Octene, (E)-	112	C8H16	014850-23-8	45
4	4-Octene, (E)-	112	C8H16	014850-23-8	43
5	4-Octene, (E)-	112	C8H16	014850-23-8	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
Data File : VL042281.D
Acq On : 09 Apr 2025 01:49
Operator : SY/MD
Sample : Q1728-05 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-6-04022025

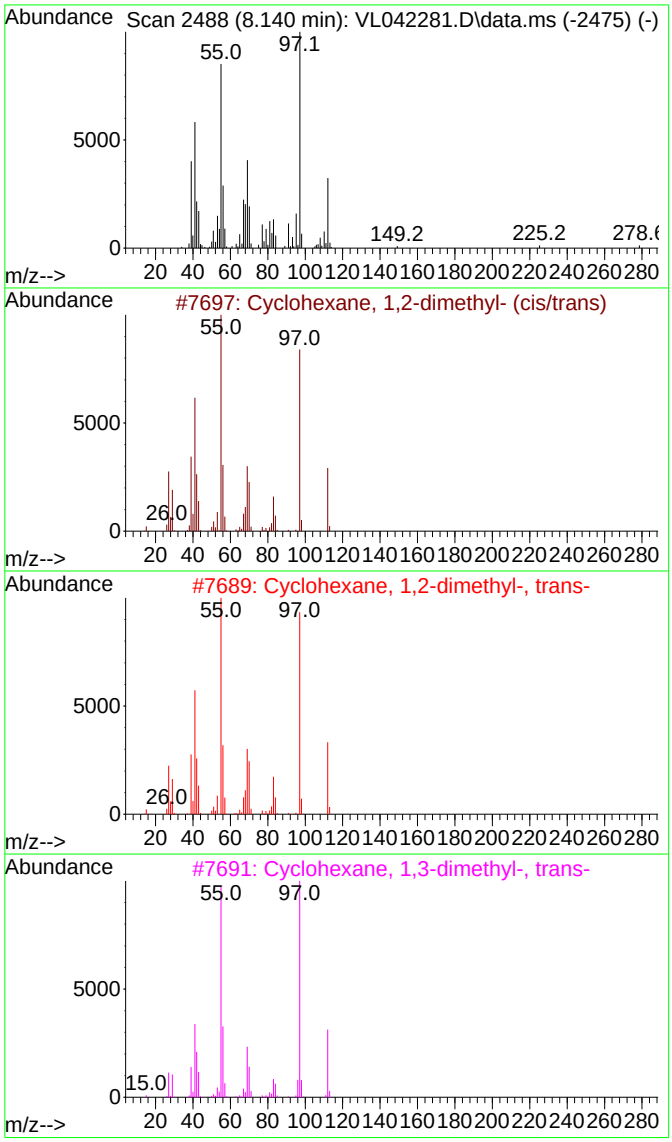
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

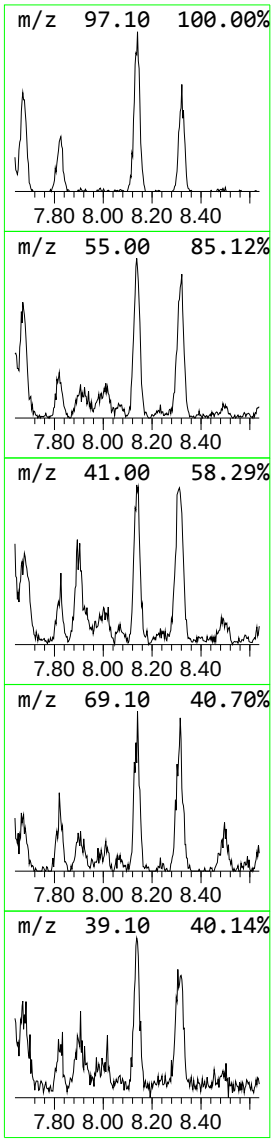
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Cyclohexane, 1,2-dimethyl-,... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.140	1.00 ppbv	149556	Chlorobenzene-d5	8.881

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	70
2	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	70
3	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	60
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	60
5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	60





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
Data File : VL042281.D
Acq On : 09 Apr 2025 01:49
Operator : SY/MD
Sample : Q1728-05 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-6-04022025

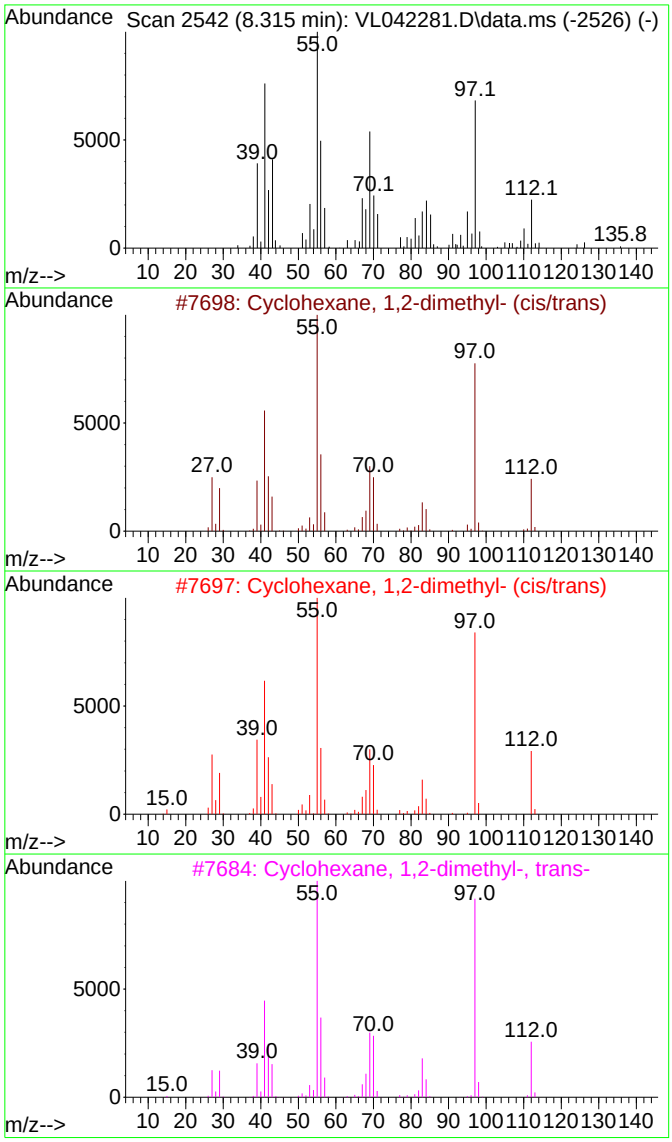
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

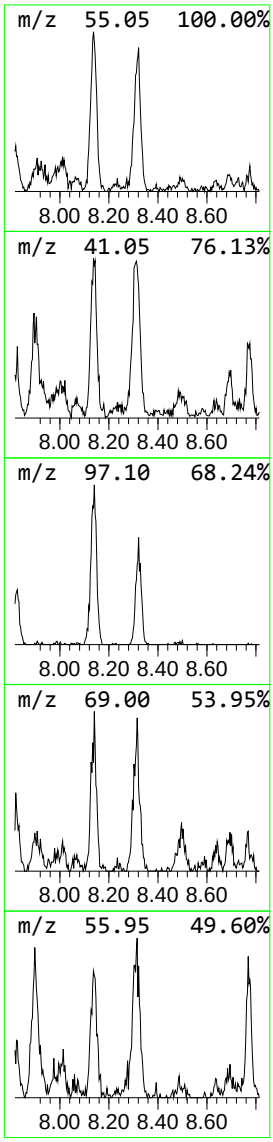
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Cyclohexane, 1,2-dimethyl- ... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.315	1.09 ppbv	163491	Chlorobenzene-d5	8.881

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	55
2	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	55
3	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	49
4	1-Octene, 6-methyl-	126	C9H18	013151-10-5	49
5	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
Data File : VL042281.D
Acq On : 09 Apr 2025 01:49
Operator : SY/MD
Sample : Q1728-05 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-6-04022025

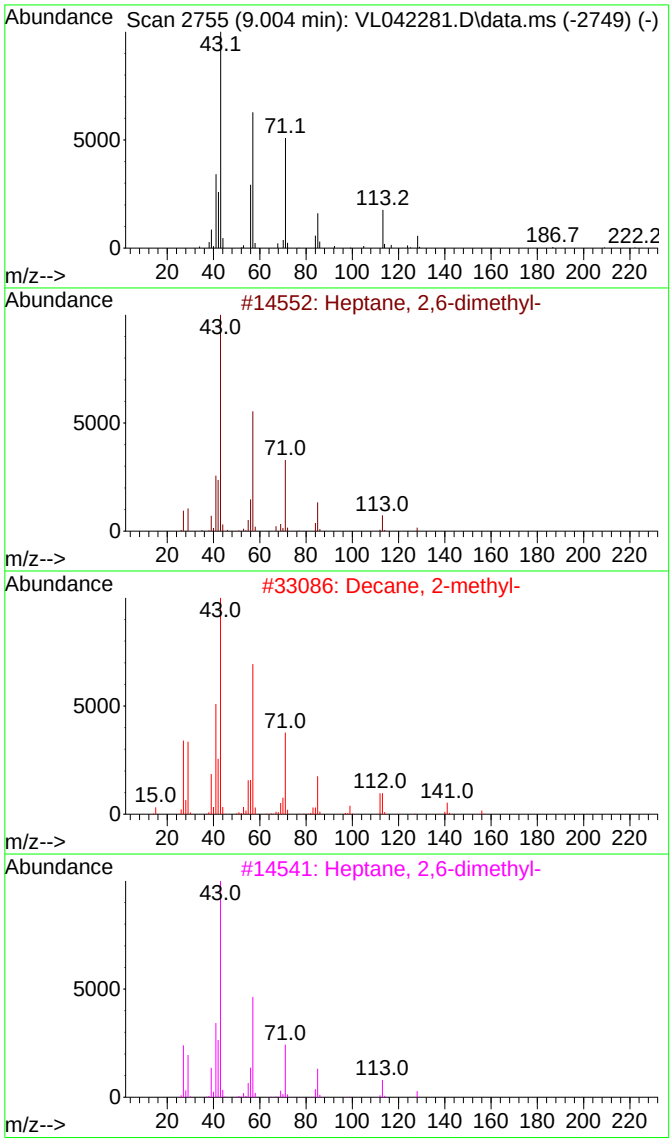
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

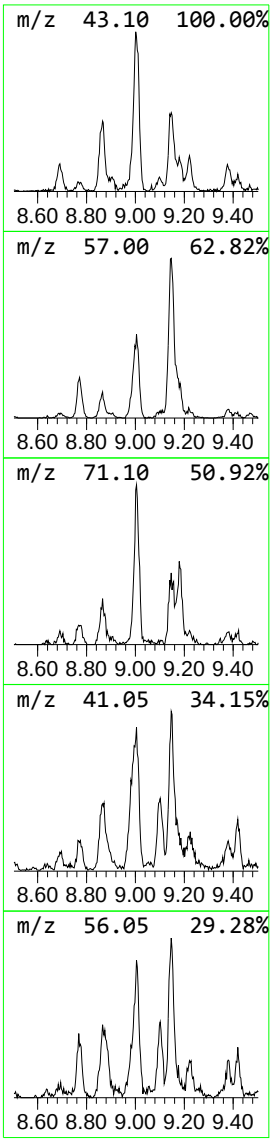
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Heptane, 2,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.004	1.47 ppbv	219876	Chlorobenzene-d5	8.881

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	64
2	Decane, 2-methyl-	156	C11H24	006975-98-0	64
3	Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	52
4	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	47
5	Octane, 2-iodo-	240	C8H17I	000557-36-8	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
Data File : VL042281.D
Acq On : 09 Apr 2025 01:49
Operator : SY/MD
Sample : Q1728-05 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-6-04022025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.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

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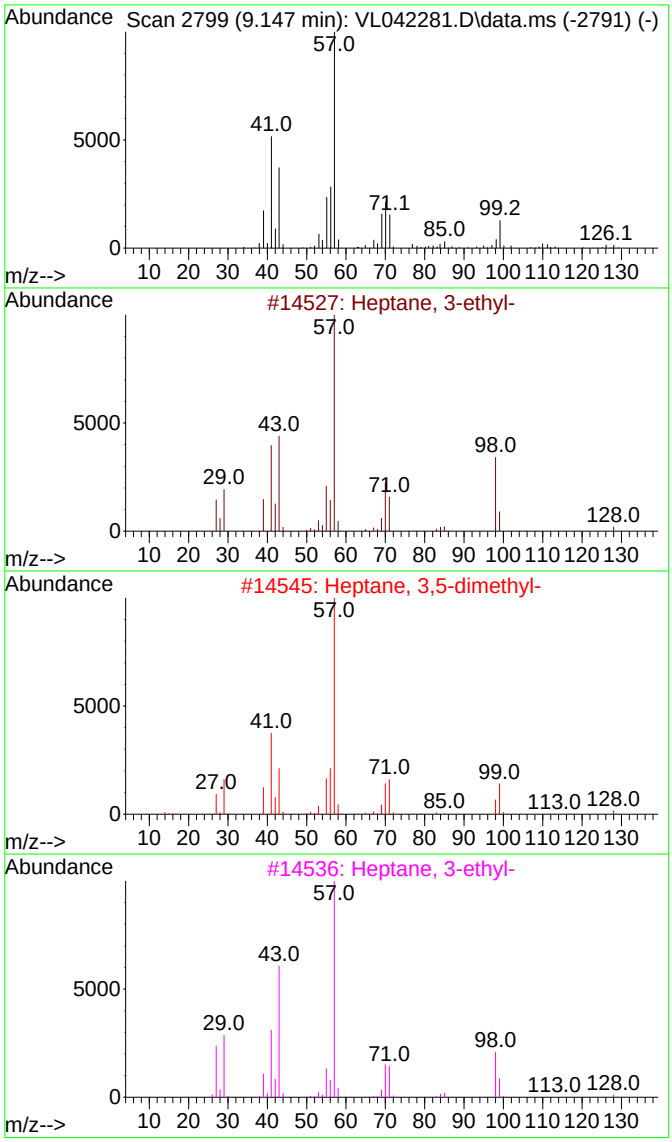
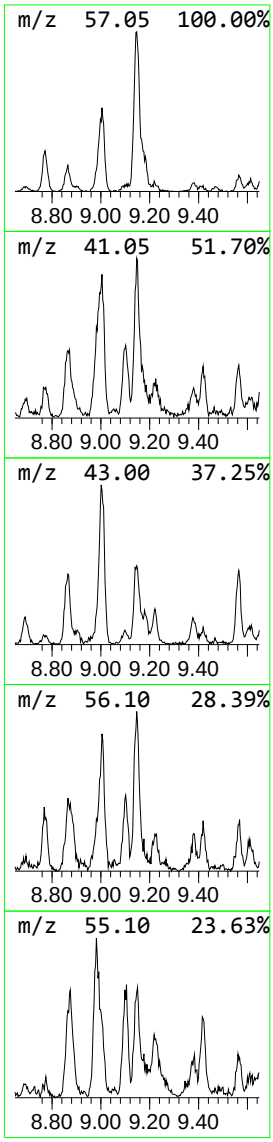
Peak Number 9 Heptane, 3-ethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.147	1.96 ppbv	293662	Chlorobenzene-d5	8.881

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-	128	C9H20	015869-80-4	74
2	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	59
3	Heptane, 3-ethyl-	128	C9H20	015869-80-4	59
4	Octane, 3-methyl-	128	C9H20	002216-33-3	58
5	Hexane, 4-ethyl-2-methyl-	128	C9H20	003074-75-7	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
Data File : VL042281.D
Acq On : 09 Apr 2025 01:49
Operator : SY/MD
Sample : Q1728-05 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-6-04022025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.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
1-Propene, 2-me...	1.602	3.8	ppbv	218424	1	2.787	575252	10.0
Pentane, 2-methyl-	2.476	1.0	ppbv	59443	1	2.787	575252	10.0
unknown4.056	4.056	1.5	ppbv	158612	2	3.958	1046400	10.0
Cyclohexane, 1,...	7.622	1.4	ppbv	204221	3	8.881	1494890	10.0
Cyclohexane, 1,...	8.140	1.0	ppbv	149556	3	8.881	1494890	10.0
Cyclohexane, 1,...	8.315	1.1	ppbv	163491	3	8.881	1494890	10.0
Heptane, 2,6-di...	9.004	1.5	ppbv	219876	3	8.881	1494890	10.0
Heptane, 3-ethyl-	9.147	2.0	ppbv	293662	3	8.881	1494890	10.0