LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042198.D
Acq On : 28 Mar 2025 01:57
Operator : SY/MD
Sample : Q1669-07
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B16-1-3262025

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: VL042198.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.266	353	364	377	rBV	86737	118205	5.83%	0.689%
2	1.431	413	415	417	rBV	491523	691781	34.10%	4.034%
3	1.440	417	418	422	rVB	3829715	1415554	69.78%	8.254%
4	1.557	449	454	460	rBV	655064	377050	18.59%	2.199%
5	1.599	463	467	470	rBV	291337	157978	7.79%	0.921%
6	1.618	470	473	478	rVB	136817	82740	4.08%	0.482%
7	1.722	499	505	510	rBV	521266	304401	15.01%	1.775%
8	1.835	536	540	549	rBV	2094350	1433034	70.64%	8.356%
9	1.887	549	556	559	rBV2	41298	40930	2.02%	0.239%
10	1.965	575	580	585	rVB	91142	69665	3.43%	0.406%
11	2.042	599	604	607	rBV2	49441	43259	2.13%	0.252%
12	2.065	607	611	614	rVB2	88968	60799	3.00%	0.355%
13	2.382	708	709	715	rVB	50749	41272	2.03%	0.241%
14	2.476	733	738	745	rVB3	90689	89977	4.44%	0.525%
15	2.560	759	764	777	rVV	142208	139338	6.87%	0.812%
16	2.628	777	785	793	rVB4	53941	63008	3.11%	0.367%
17	2.790	827	835	842	rBV	679161	696443	34.33%	4.061%
18	2.829	842	847	860	rVB3	114249	139785	6.89%	0.815%
19	3.065	913	920	930	rBV3	29608	38284	1.89%	0.223%
20	3.234	962	972	980	rBV3	40437	59306	2.92%	0.346%
21	3.661	1091	1104	1110	rBV3	39950	64369	3.17%	0.375%
22	3.696	1110	1115	1127	rVB2	33824	53384	2.63%	0.311%
23	3.962	1185	1197	1212	rBV	854224	1340536	66.08%	7.817%
24	4.059	1214	1227	1236	rBV5	33869	65261	3.22%	0.381%
25	4.266	1279	1291	1303	rBV5	40644	83504	4.12%	0.487%
26	4.641	1400	1407	1421	rVB4	25428	55814	2.75%	0.325%
27	4.985	1501	1513	1525	rBV7	22558	46681	2.30%	0.272%
28	5.667	1706	1724	1736	rBV6	29841	75477	3.72%	0.440%
29	5.765	1740	1754	1775	rBV4	102342	264083	13.02%	1.540%
30	6.742	2042	2056	2071	rBV5	57384	133446	6.58%	0.778%
31	6.933	2100	2115	2135	rVB	491647	988773	48.74%	5.766%
32	7.376	2242	2252	2259	rBV5	21626	39401	1.94%	0.230%
33	7.609	2319	2324	2339	rVB5	23708	53551	2.64%	0.312%
34	7.694	2339	2350	2360	rVB7	34079	64929	3.20%	0.379%
35	8.302	2523	2538	2555	rVB9	59814	137443	6.78%	0.801%
36	8.881	2704	2717	2728	rBV	1115388	1657967	81.73%	9.668%

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Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B16-1-3262025

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	8.982	2740	2748	2762	rVB10	44997	90947	4.48%	0.530%
38	9.098	2776	2784	2791	rBV5	27538	40374	1.99%	0.235%
39	9.147	2791	2799	2811	rVB2	96817	144695	7.13%	0.844%
40	9.354	2852	2863	2868	rBV2	82714	115145	5.68%	0.671%
41	9.390	2868	2874	2892	rVB	112383	198198	9.77%	1.156%
42	9.532	2908	2918	2935	rVB	206951	400972	19.77%	2.338%
43	9.636	2941	2950	2964	rBV3	55516	94403	4.65%	0.550%
44	9.726	2966	2978	2989	rVB6	45795	109182	5.38%	0.637%
45	9.794	2992	2999	3008	rBV3	34575	48148	2.37%	0.281%
46	9.865	3008	3021	3032	rBV6	107174	170168	8.39%	0.992%
47	9.966	3040	3052	3071	rVB	130142	244162	12.04%	1.424%
48	10.079	3071	3087	3088	rBV5	28183	49397	2.44%	0.288%
49	10.102	3088	3094	3101	rVV5	39369	57736	2.85%	0.337%
50	10.147	3101	3108	3122	rVV5	25390	47484	2.34%	0.277%
51	10.377	3156	3179	3189	rBV	1508793	2028557	100.00%	11.829%
52	10.429	3189	3195	3204	rVB4	44857	57333	2.83%	0.334%
53	10.775	3290	3302	3304	rBV7	28447	45375	2.24%	0.265%
54	10.804	3304	3311	3321	rVB4	57640	97149	4.79%	0.566%
55	10.901	3333	3341	3354	rBV4	75095	107887	5.32%	0.629%
56	11.011	3369	3375	3383	rVB2	77684	105860	5.22%	0.617%
57	11.095	3393	3401	3407	rBV2	94687	112168	5.53%	0.654%
58	11.124	3407	3410	3423	rVB2	50097	64444	3.18%	0.376%
59	11.202	3423	3434	3442	rBV5	89156	122125	6.02%	0.712%
60	11.536	3527	3537	3552	rBV2	112405	156140	7.70%	0.910%
61	11.756	3599	3605	3608	rBV3	45956	56215	2.77%	0.328%
62	11.775	3608	3611	3618	rVB2	51331	49026	2.42%	0.286%
63	12.083	3700	3706	3715	rVB3	64812	76436	3.77%	0.446%
64	12.228	3743	3751	3758	rBV2	146131	164495	8.11%	0.959%
65	12.364	3785	3793	3798	rBV3	87152	101578	5.01%	0.592%
66	12.439	3811	3816	3821	rBV	91782	88162	4.35%	0.514%
67	12.513	3829	3839	3844	rBV	85804	95131	4.69%	0.555%
68	12.652	3875	3882	3894	rBV4	57771	102223	5.04%	0.596%
69	13.002	3985	3990	4002	rBV2	84240	89290	4.40%	0.521%
70	13.306	4076	4084	4085	rBV4	39013	41299	2.04%	0.241%
71	13.387	4103	4109	4117	rBV	35039	38078	1.88%	0.222%
72	13.474	4126	4136	4140	rBV6	41198	57506	2.83%	0.335%
73	13.901	4258	4268	4274	rBV3	109551	127117	6.27%	0.741%
74	13.989	4286	4295	4299	rBV4	34570	42778	2.11%	0.249%
75	14.170	4344	4351	4358	rVB3	51316	56528	2.79%	0.330%
76	14.238	4360	4372	4378	rBV10	44142	68023	3.35%	0.397%

LSC Area Percent Report

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Acq On : 28 Mar 2025 01:57
Operator : SY/MD
Sample : Q1669-07
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B16-1-3262025

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
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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

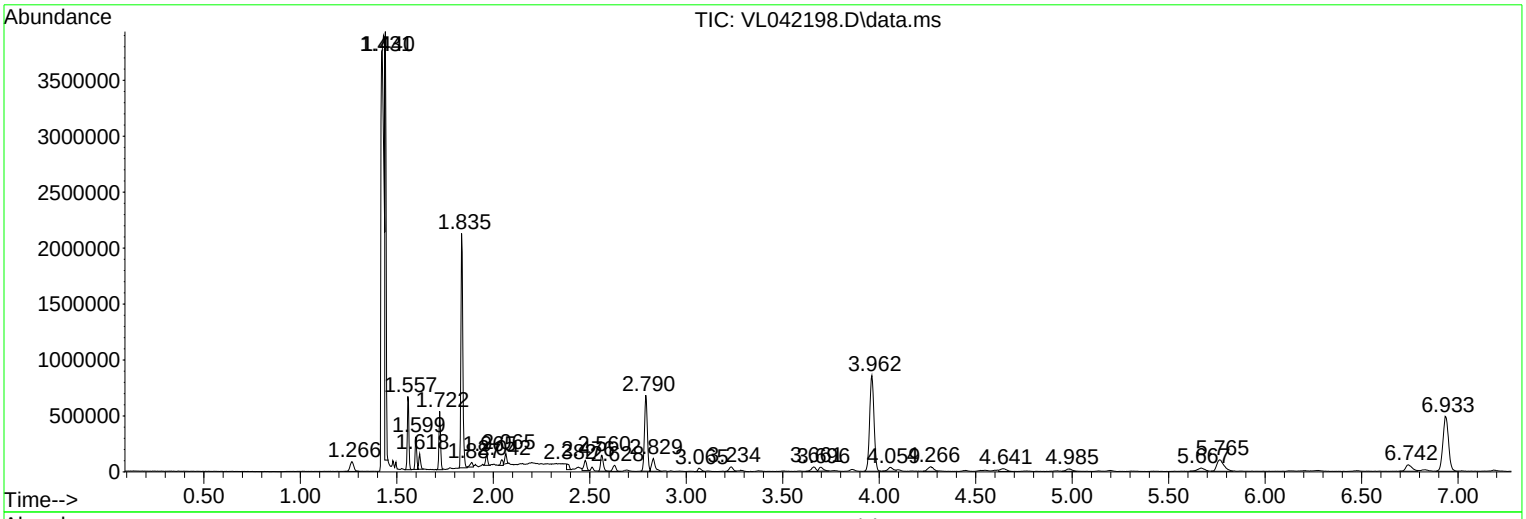
Sum of corrected areas: 17149362

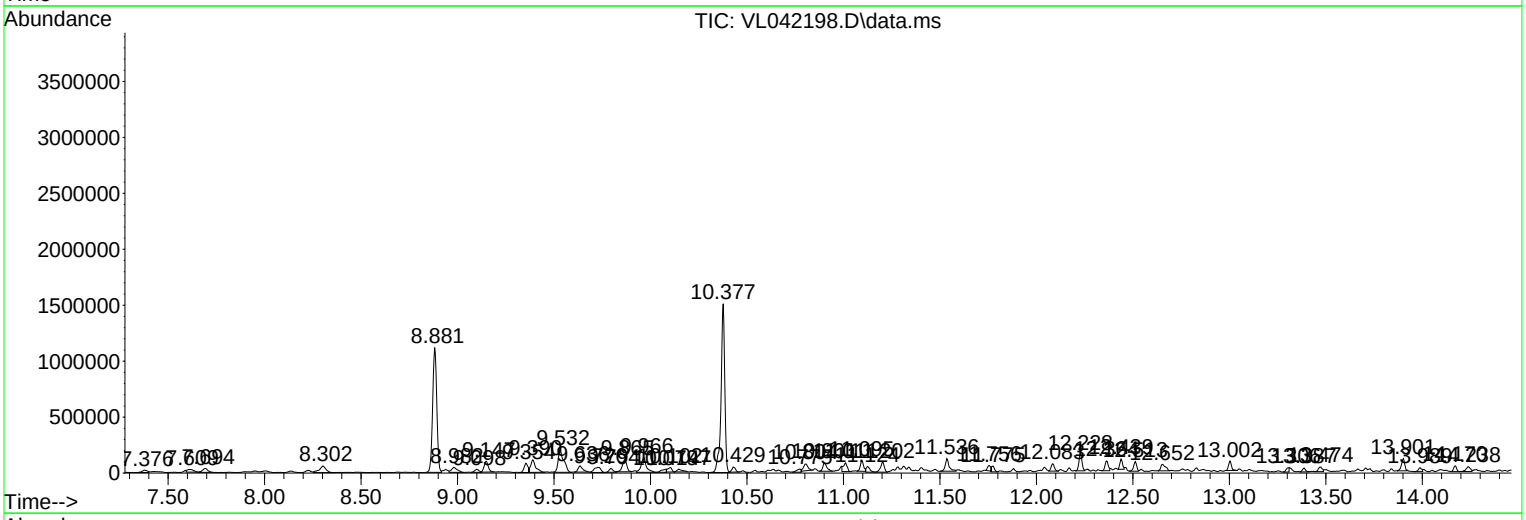
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042198.D
Acq On : 28 Mar 2025 01:57
Operator : SY/MD
Sample : Q1669-07
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

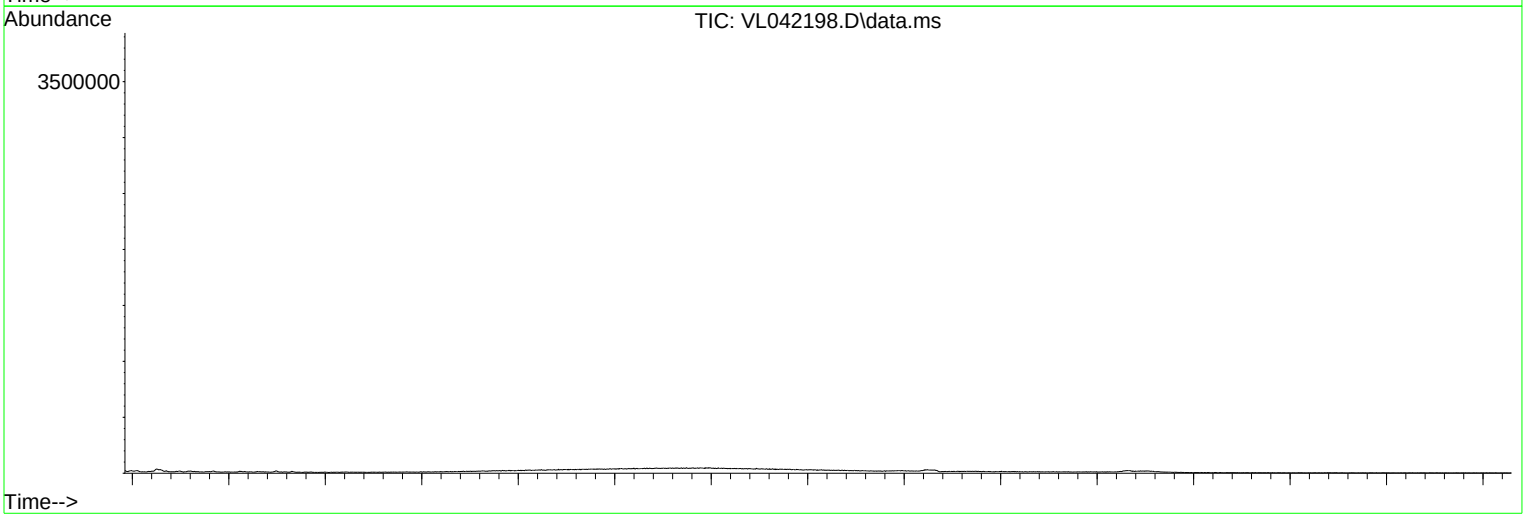
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B16-1-3262025

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\VL032725\
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Acq On : 28 Mar 2025 01:57
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Instrument :
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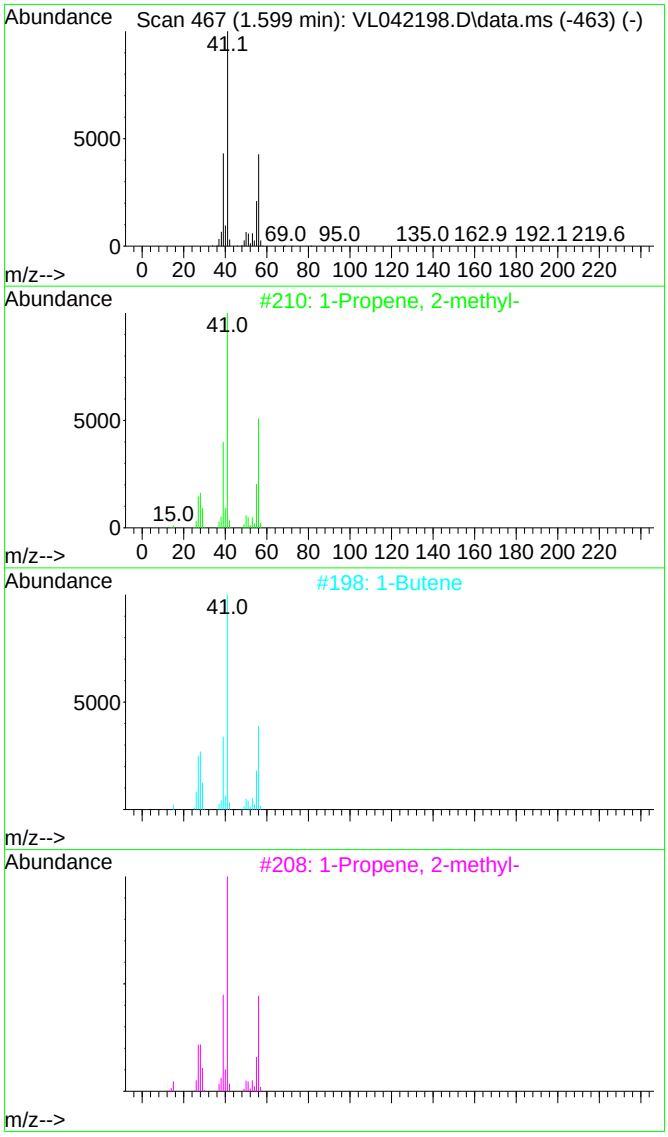
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

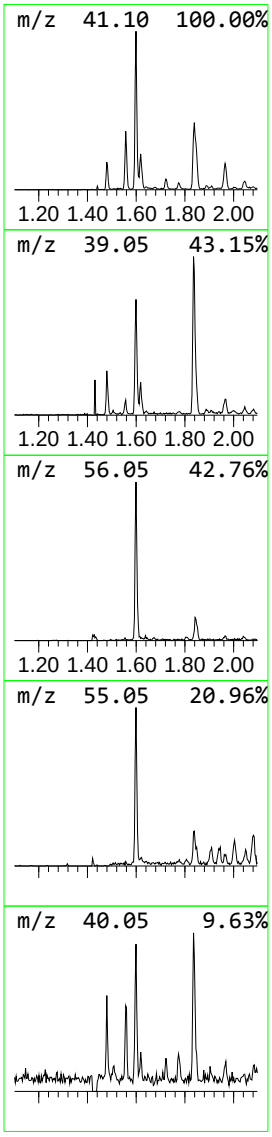
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.599	2.27 ppbv	157978	Bromochloromethane	2.790

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propene, 2-methyl-	56	C4H8	000115-11-7	87
2	1-Butene	56	C4H8	000106-98-9	83
3	1-Propene, 2-methyl-	56	C4H8	000115-11-7	80
4	2-Butene, (Z)-	56	C4H8	000590-18-1	80
5	2-Butene, (E)-	56	C4H8	000624-64-6	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
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ClientSampleId :
SSSG-B16-1-3262025

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

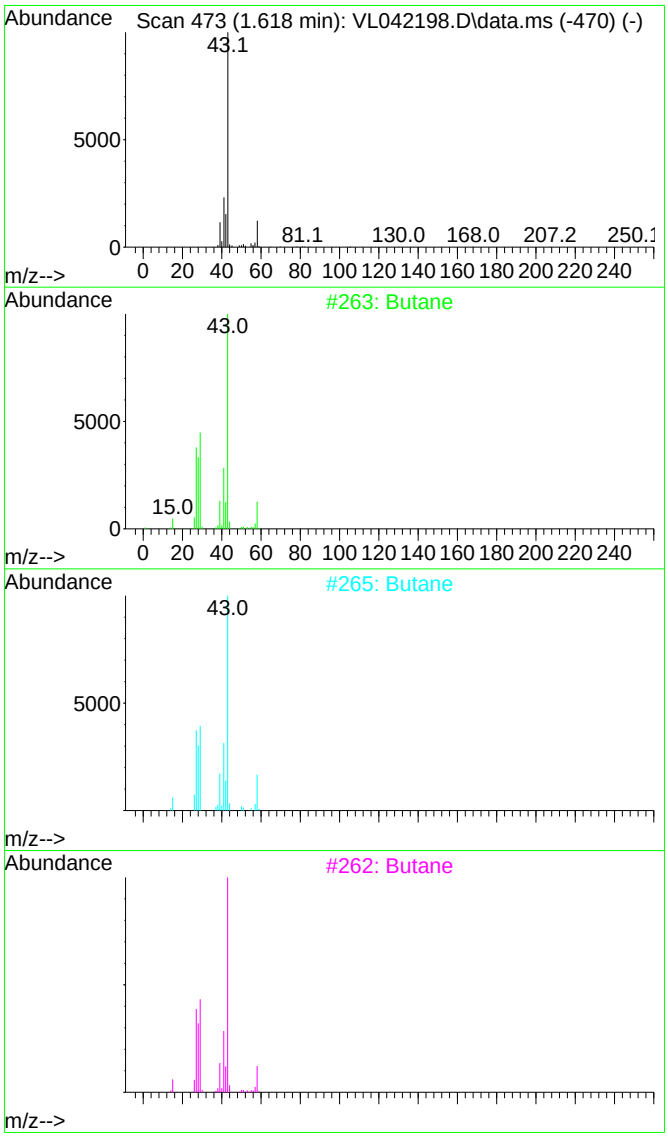
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

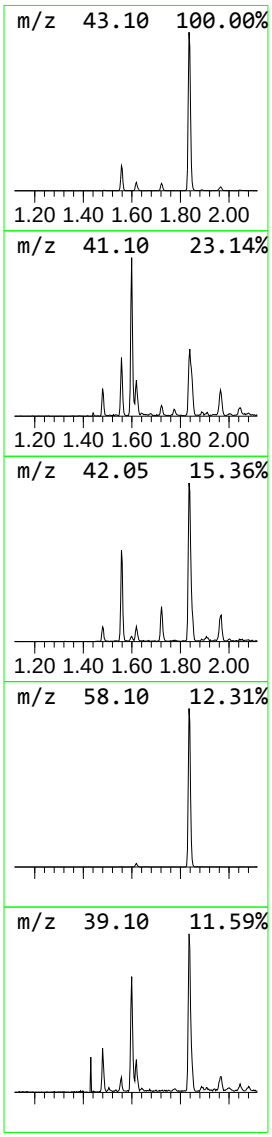
****

Peak Number 3 Butane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.618	1.19 ppbv	82740	Bromochloromethane	2.790

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane	58	C4H10	000106-97-8	64
2	Butane	58	C4H10	000106-97-8	50
3	Butane	58	C4H10	000106-97-8	50
4	Butane	58	C4H10	000106-97-8	45
5	Diazene, dimethyl-	58	C2H6N2	000503-28-6	5





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ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B16-1-3262025

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

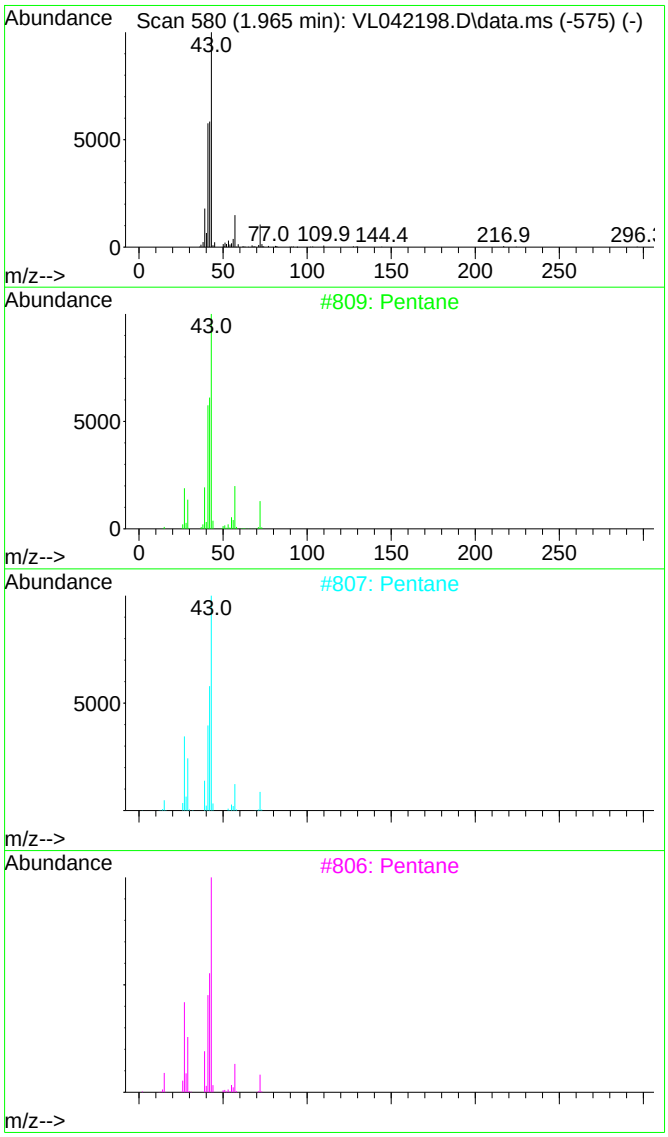
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

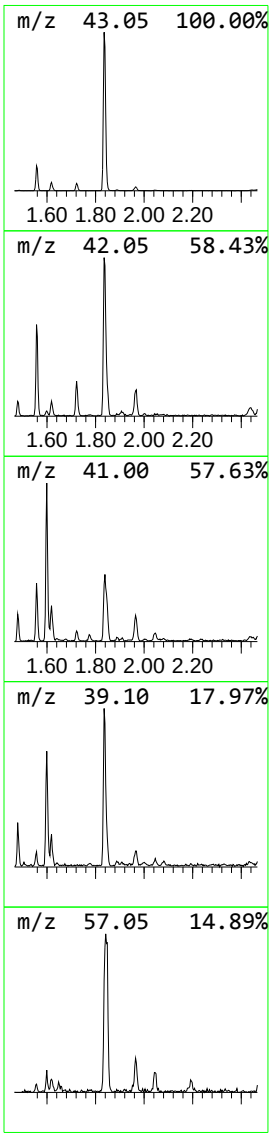
****

Peak Number 4 Pentane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.965	1.00 ppbv	69665	Bromochloromethane	2.790

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	86
2	Pentane	72	C5H12	000109-66-0	72
3	Pentane	72	C5H12	000109-66-0	72
4	Pentane	72	C5H12	000109-66-0	72
5	Isobutylene epoxide	72	C4H8O	000558-30-5	53





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ALS Vial : 6 Sample Multiplier: 1

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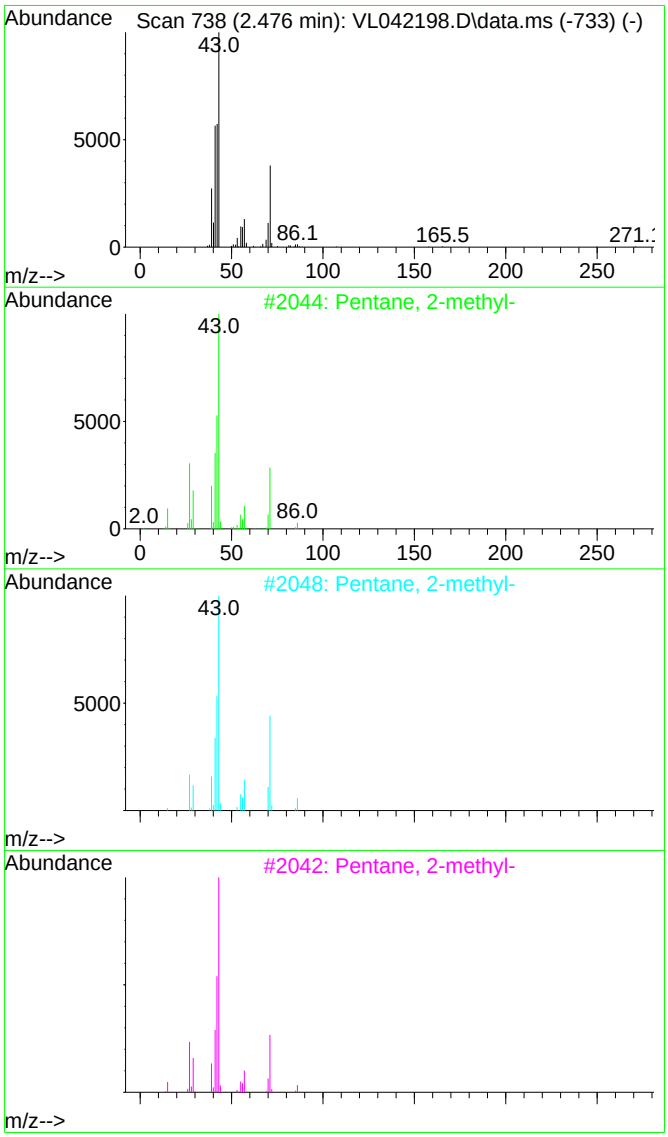
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

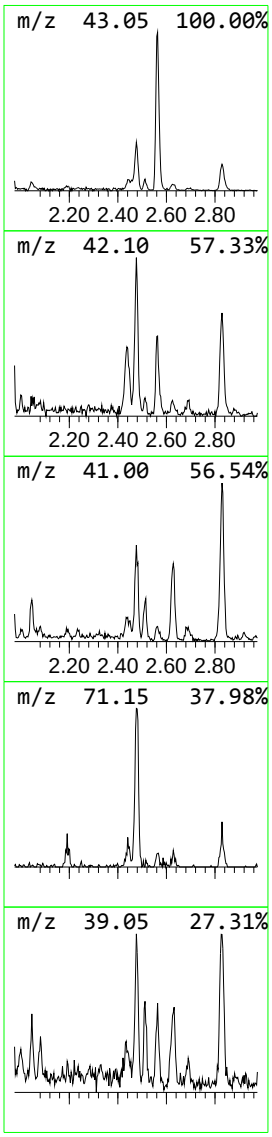
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Pentane, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.476	1.29 ppbv	89977	Bromochloromethane	2.790

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	78
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	78
3	Pentane, 2-methyl-	86	C6H14	000107-83-5	72
4	Pentane, 2-methyl-	86	C6H14	000107-83-5	56
5	Pentane, 2-bromo-	150	C5H11Br	000107-81-3	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
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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...	1.599	2.3	ppbv	157978	1	2.790	696443	10.0
Butane	1.618	1.2	ppbv	82740	1	2.790	696443	10.0
Pentane	1.965	1.0	ppbv	69665	1	2.790	696443	10.0
Pentane, 2-methyl-	2.476	1.3	ppbv	89977	1	2.790	696443	10.0