LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
Data File : VL042420.D
Acq On : 28 Apr 2025 11:33
Operator : SY/MD
Sample : Q1665-07
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-DUP-1-3242025

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\VL041725AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

Signal : TIC: VL042420.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.427	409	414	420	rBV	4575981	5213096	100.00%	19.143%
2	1.463	422	425	428	rBV	417175	194654	3.73%	0.715%
3	1.486	428	432	434	rVV2	173357	87278	1.67%	0.320%
4	1.557	450	454	458	rVB	2357835	1295061	24.84%	4.756%
5	1.618	469	473	477	rVB	563139	303366	5.82%	1.114%
6	1.719	499	504	511	rVB	1335484	830838	15.94%	3.051%
7	1.839	534	541	548	rBV2	1591719	1428300	27.40%	5.245%
8	1.881	548	554	561	rBV	1030988	703713	13.50%	2.584%
9	1.958	573	578	582	rVB	106374	73614	1.41%	0.270%
10	2.039	593	603	606	rBV	206174	180042	3.45%	0.661%
11	2.269	665	674	680	rBV	223689	195359	3.75%	0.717%
12	2.405	710	716	724	rBV	218384	228868	4.39%	0.840%
13	2.466	728	735	741	rVB2	86854	103452	1.98%	0.380%
14	2.615	774	781	788	rVV	53368	52445	1.01%	0.193%
15	2.780	823	832	838	rBV	532755	557758	10.70%	2.048%
16	2.816	838	843	856	rVB	239045	294711	5.65%	1.082%
17	3.217	958	967	975	rVB2	51395	73402	1.41%	0.270%
18	3.645	1086	1099	1104	rBV4	37109	58028	1.11%	0.213%
19	3.677	1104	1109	1123	rVB	152347	223832	4.29%	0.822%
20	3.946	1179	1192	1207	rBV2	709896	1118424	21.45%	4.107%
21	4.039	1210	1221	1228	rBV3	42753	73471	1.41%	0.270%
22	4.243	1274	1284	1285	rBV2	56797	57597	1.10%	0.211%
23	4.250	1285	1286	1302	rVB5	56978	72576	1.39%	0.267%
24	4.625	1380	1402	1417	rVB2	58488	135334	2.60%	0.497%
25	4.965	1496	1507	1521	rVB3	30944	57316	1.10%	0.210%
26	6.833	2065	2084	2097	rBV2	189096	447186	8.58%	1.642%
27	6.917	2097	2110	2128	rVB	315907	654501	12.55%	2.403%
28	7.674	2331	2344	2362	rVB4	150358	252178	4.84%	0.926%
29	8.289	2528	2534	2549	rVB5	47502	83280	1.60%	0.306%
30	8.868	2697	2713	2723	rBV	897638	1339523	25.70%	4.919%
31	8.930	2723	2732	2743	rVB	531392	840484	16.12%	3.086%
32	9.341	2850	2859	2870	rBV3	68323	94855	1.82%	0.348%
33	9.519	2905	2914	2920	rBV2	112294	175228	3.36%	0.643%
34	9.859	3008	3019	3029	rVB4	43447	63493	1.22%	0.233%
35	9.930	3031	3041	3045	rVV3	136375	191773	3.68%	0.704%
36	9.953	3045	3048	3065	rVB5	80711	125927	2.42%	0.462%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
Data File : VL042420.D
Acq On : 28 Apr 2025 11:33
Operator : SY/MD
Sample : Q1665-07
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-DUP-1-3242025

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\VL041725AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

37	10.367	3162	3176	3187	rBV2	1173470	1449415	27.80%	5.322%
38	10.849	3316	3325	3333	rVB	239417	289624	5.56%	1.064%
39	11.089	3392	3399	3404	rBV	57289	65202	1.25%	0.239%
40	11.419	3495	3501	3508	rVB3	48203	57001	1.09%	0.209%
41	11.529	3526	3535	3544	rVB2	93595	123335	2.37%	0.453%
42	11.713	3582	3592	3597	rBV	111140	130182	2.50%	0.478%
43	11.769	3597	3609	3620	rVB	3380314	4067318	78.02%	14.935%
44	12.034	3675	3691	3700	rBV4	150973	202073	3.88%	0.742%
45	12.665	3880	3886	3892	rVB5	52359	56665	1.09%	0.208%
46	12.820	3927	3934	3940	rBV2	198839	189856	3.64%	0.697%
47	12.998	3981	3989	4000	rVB2	41155	65465	1.26%	0.240%
48	13.377	4098	4106	4115	rVB2	2240897	2497432	47.91%	9.171%
49	13.720	4205	4212	4218	rVB2	104244	94143	1.81%	0.346%
50	14.516	4453	4458	4466	rVB	68509	63960	1.23%	0.235%

Sum of corrected areas: 27232634

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
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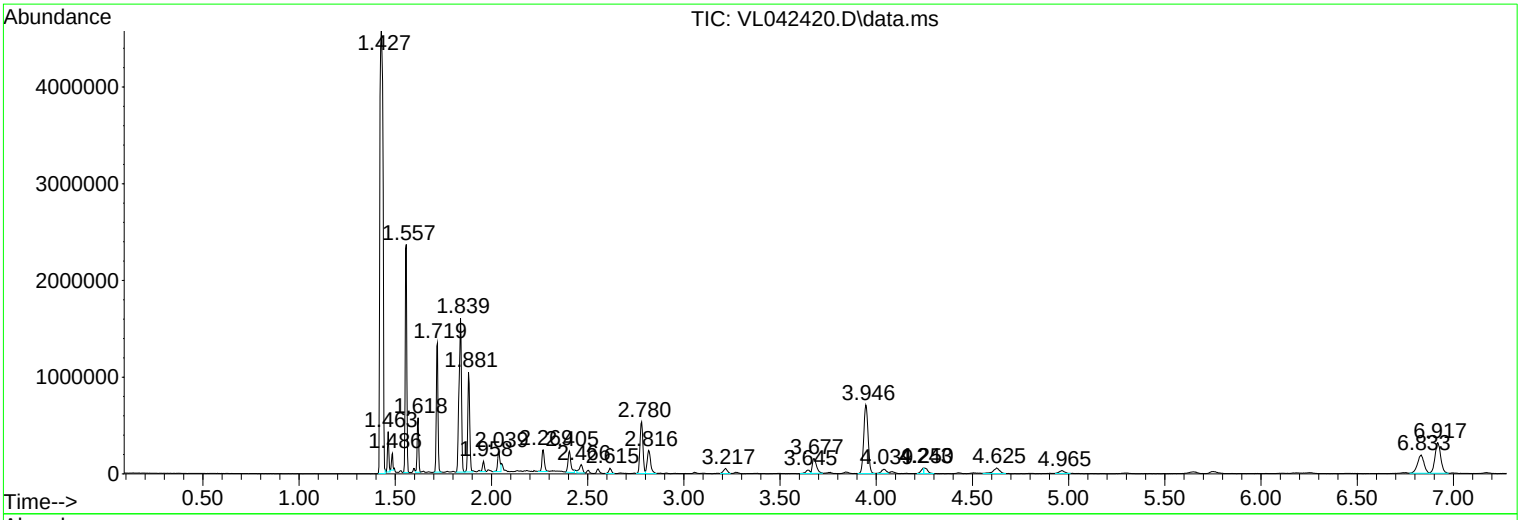
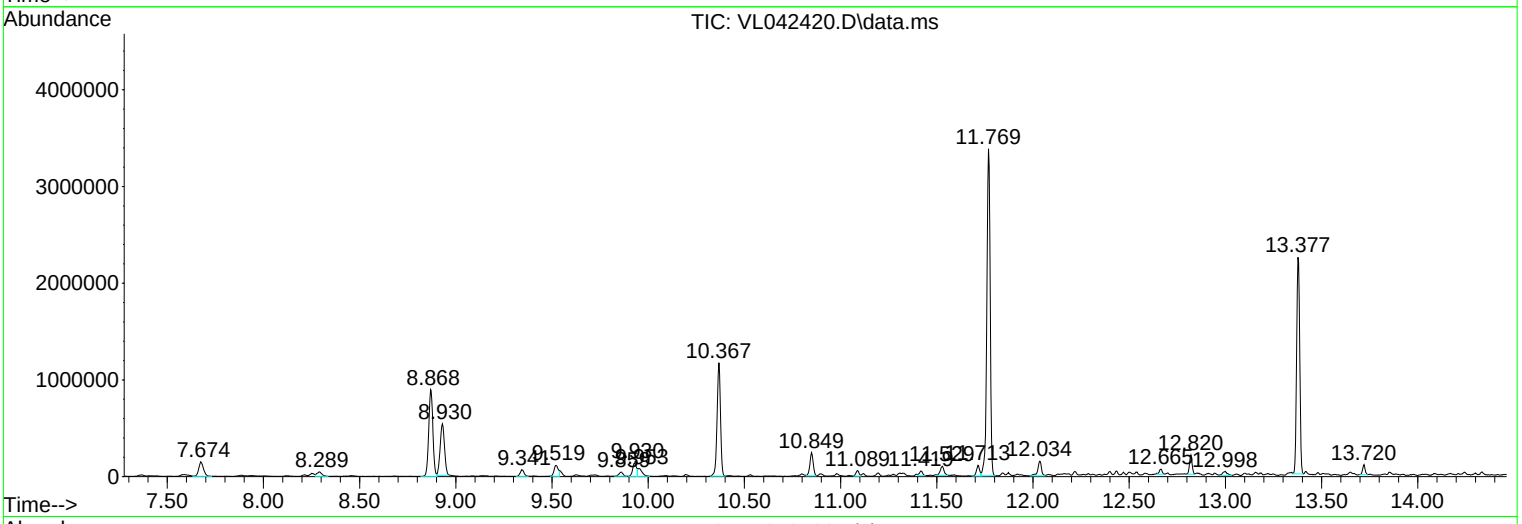
Acq On : 28 Apr 2025 11:33
Operator : SY/MD
Sample : Q1665-07
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

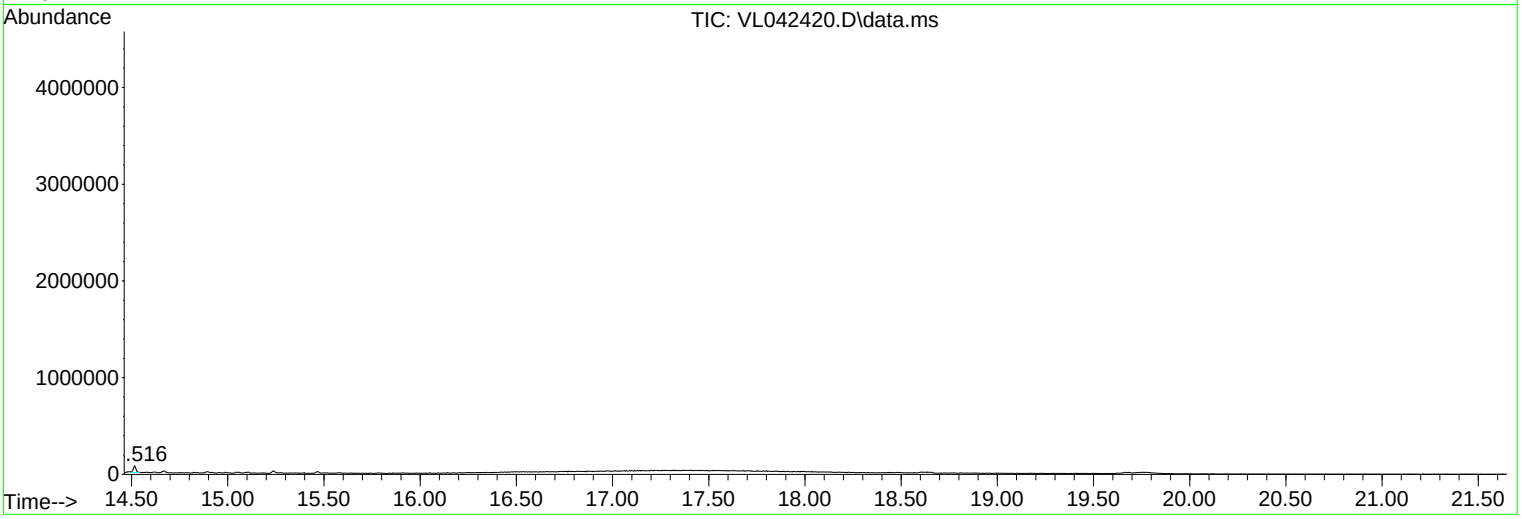
Instrument :
MSVOA_L
ClientSampleId :
IA-DUP-1-3242025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.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\VL042825\
Data File : VL042420.D
Acq On : 28 Apr 2025 11:33
Operator : SY/MD
Sample : Q1665-07
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-DUP-1-3242025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

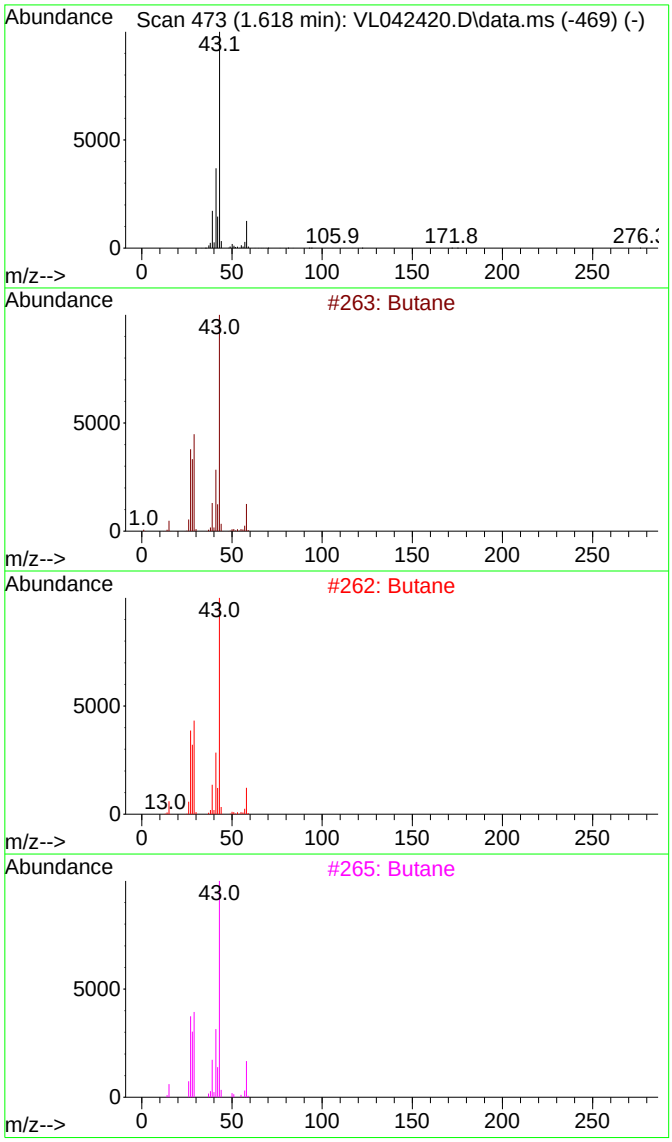
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

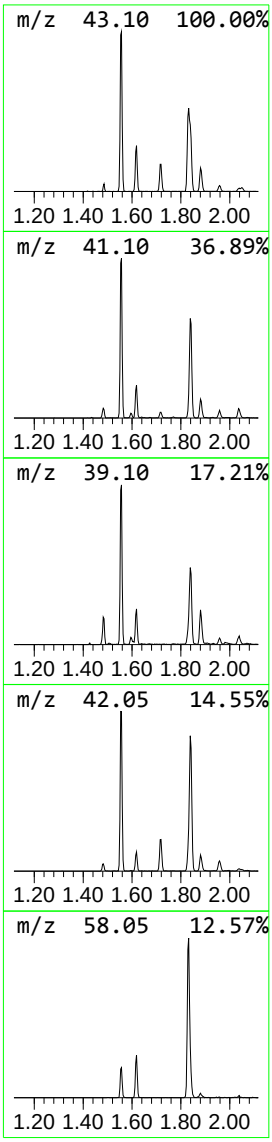
****

Peak Number 1 Butane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.618	5.44 ppbv	303366	Bromochloromethane	2.777

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	52
5	Isobutane	58	C4H10	000075-28-5	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
Data File : VL042420.D
Acq On : 28 Apr 2025 11:33
Operator : SY/MD
Sample : Q1665-07
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-DUP-1-3242025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

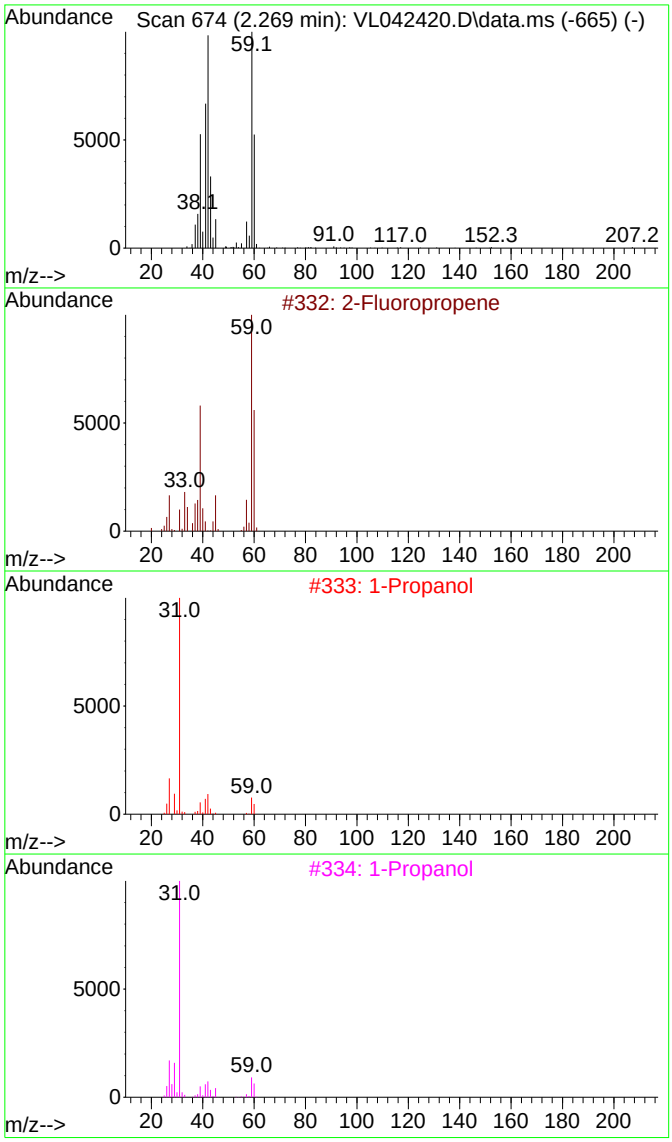
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

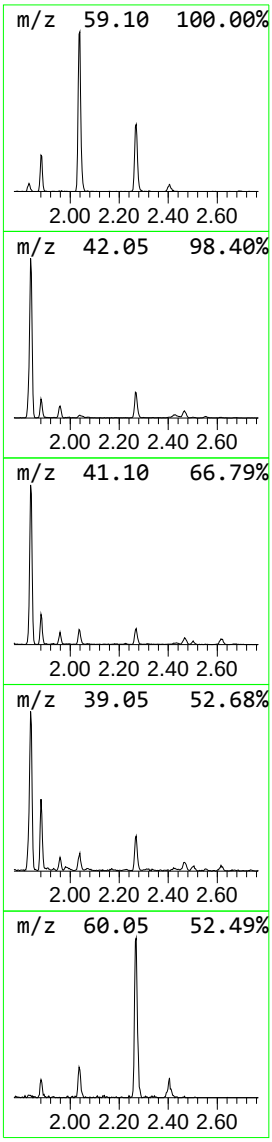
****

Peak Number 2 2-Fluoropropene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.269	3.50 ppbv	195359	Bromochloromethane	2.777

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Fluoropropene	60	C3H5F	001184-60-7	53
2	1-Propanol	60	C3H8O	000071-23-8	53
3	1-Propanol	60	C3H8O	000071-23-8	50
4	1-Propanol	60	C3H8O	000071-23-8	46
5	2-Fluoropropene	60	C3H5F	001184-60-7	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
Data File : VL042420.D
Acq On : 28 Apr 2025 11:33
Operator : SY/MD
Sample : Q1665-07
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-DUP-1-3242025

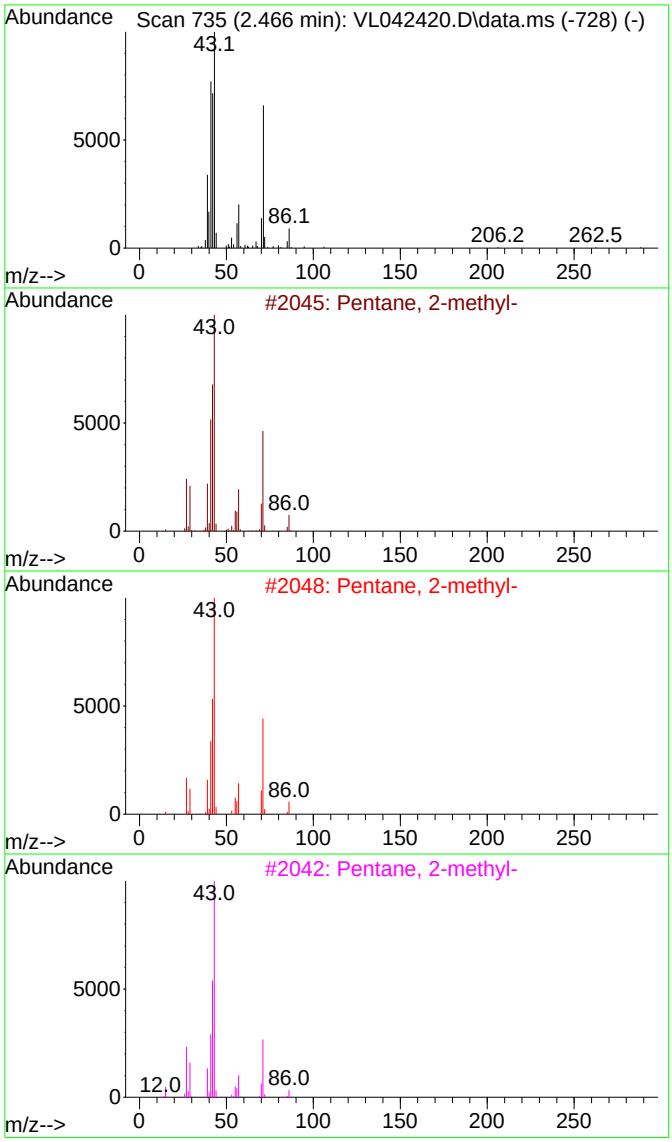
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

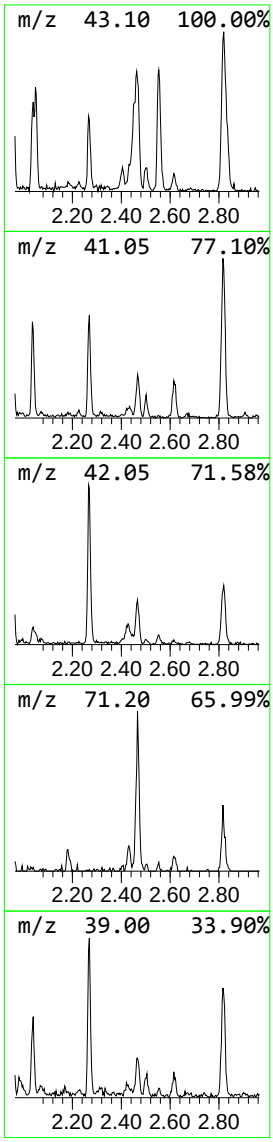
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Pentane, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.466	1.85 ppbv	103452	Bromochloromethane	2.777

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	91
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	80
3	Pentane, 2-methyl-	86	C6H14	000107-83-5	72
4	Pentane, 2-methyl-	86	C6H14	000107-83-5	64
5	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
Data File : VL042420.D
Acq On : 28 Apr 2025 11:33
Operator : SY/MD
Sample : Q1665-07
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-DUP-1-3242025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

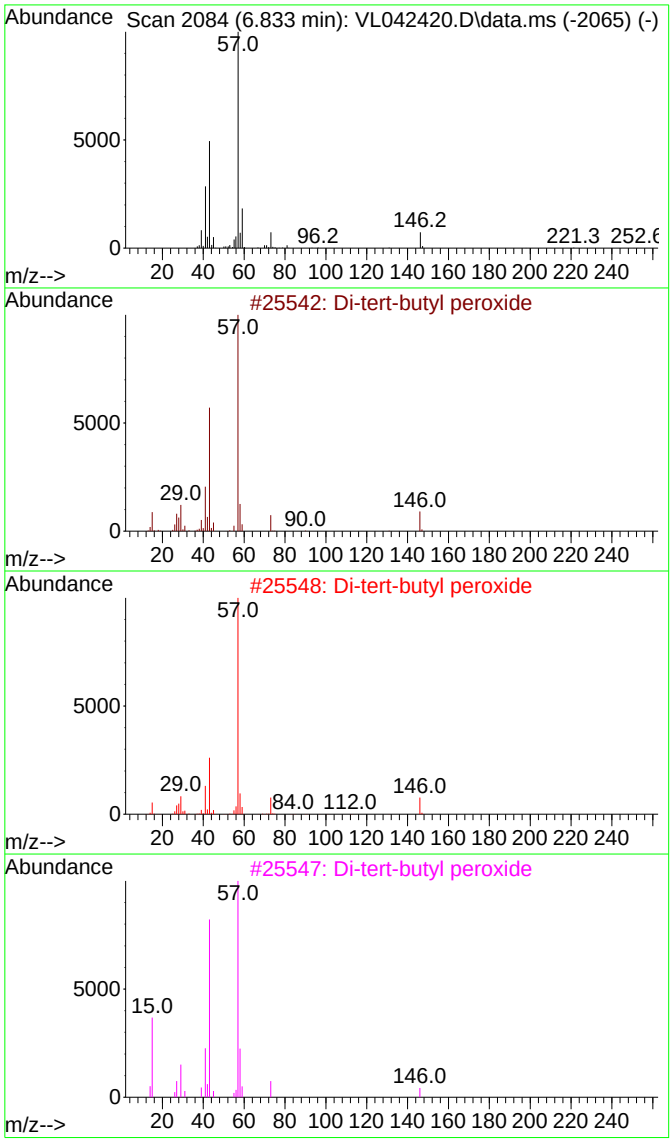
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

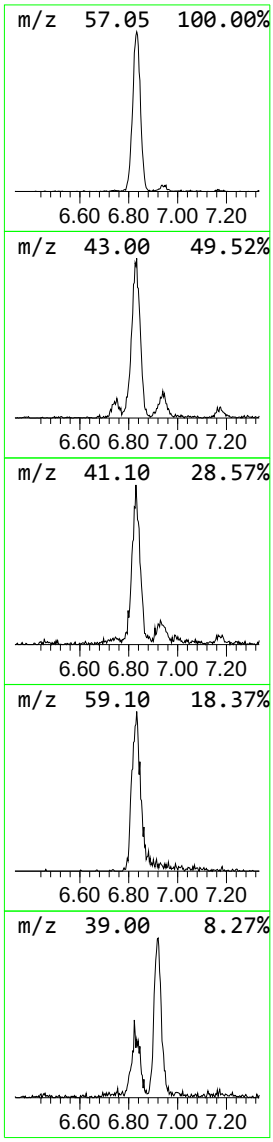
****

Peak Number 5 Di-tert-butyl peroxide Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.833	3.34 ppbv	447186	Chlorobenzene-d5	8.868

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Di-tert-butyl peroxide	146	C8H18O2	000110-05-4	59
2	Di-tert-butyl peroxide	146	C8H18O2	000110-05-4	42
3	Di-tert-butyl peroxide	146	C8H18O2	000110-05-4	40
4	Phosphine, bis(1,1-dimethylethyl)-	146	C8H19P	000819-19-2	37
5	Propanoic acid, 2,2-dimethyl-	102	C5H10O2	000075-98-9	28





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
Data File : VL042420.D
Acq On : 28 Apr 2025 11:33
Operator : SY/MD
Sample : Q1665-07
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-DUP-1-3242025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

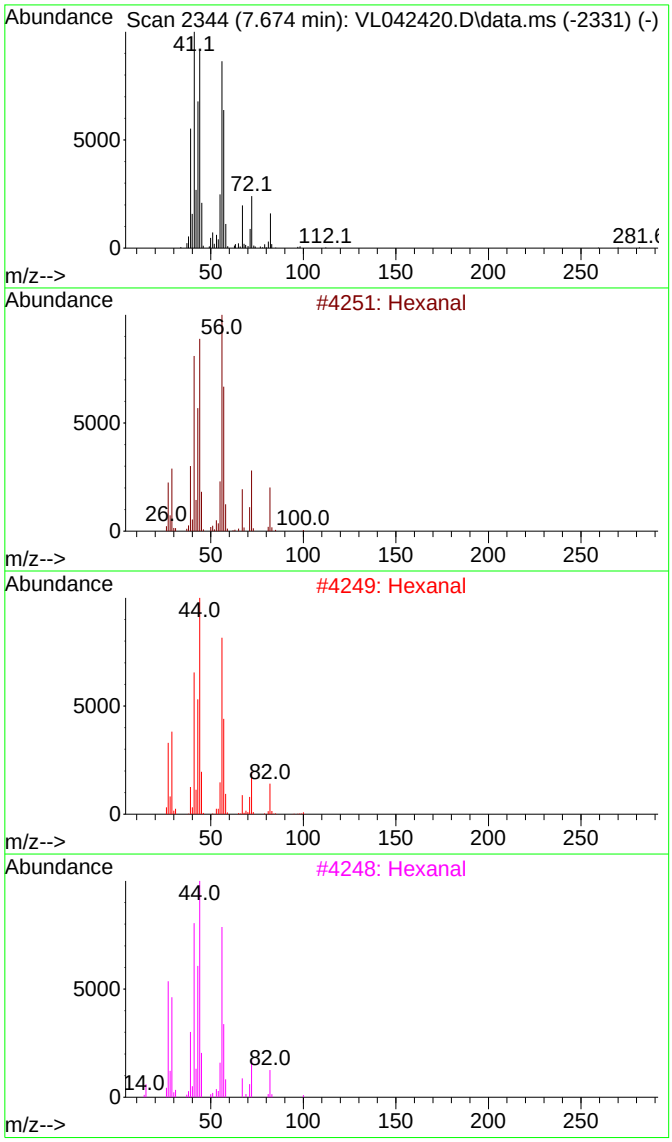
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

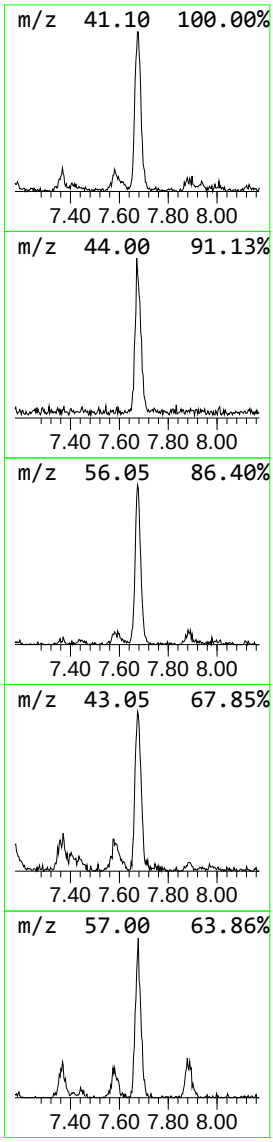
****

Peak Number 6 Hexanal Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.674	1.88 ppbv	252178	Chlorobenzene-d5	8.868

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	64
2	Hexanal	100	C6H12O	000066-25-1	64
3	Hexanal	100	C6H12O	000066-25-1	59
4	Hexanal	100	C6H12O	000066-25-1	50
5	Hexanal	100	C6H12O	000066-25-1	45





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
Data File : VL042420.D
Acq On : 28 Apr 2025 11:33
Operator : SY/MD
Sample : Q1665-07
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-DUP-1-3242025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

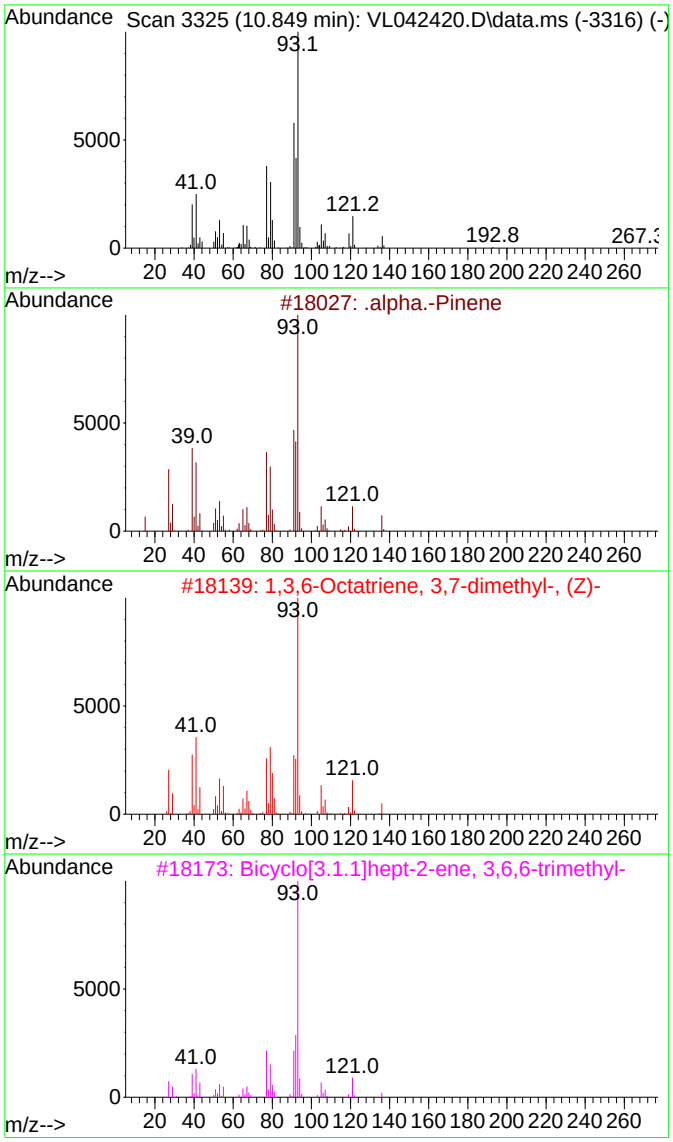
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

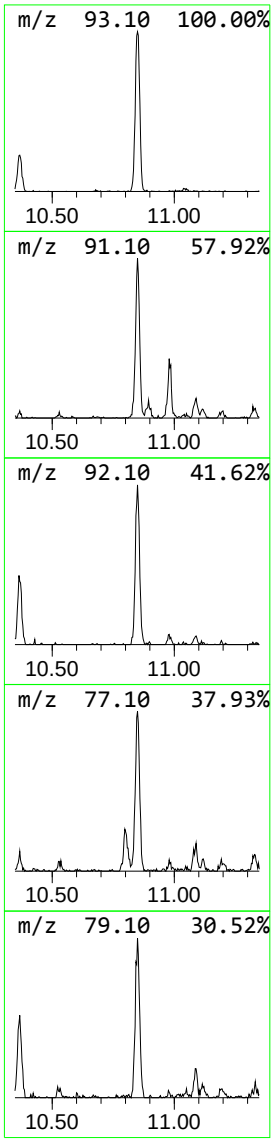
****

Peak Number 8 .alpha.-Pinene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.849	2.16 ppbv	289624	Chlorobenzene-d5	8.868

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Pinene	136	C10H16	000080-56-8	94
2	1,3,6-Octatriene, 3,7-dimethyl-,...	136	C10H16	003338-55-4	93
3	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	91
4	4-Carene, (1S,3S,6R)-(-)-	136	C10H16	005208-50-4	90
5	.gamma.-Terpinene	136	C10H16	000099-85-4	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
Data File : VL042420.D
Acq On : 28 Apr 2025 11:33
Operator : SY/MD
Sample : Q1665-07
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-DUP-1-3242025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.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
Butane	1.618	5.4	ppbv	303366	1	2.777	557758	10.0
2-Fluoropropene	2.269	3.5	ppbv	195359	1	2.777	557758	10.0
Pentane, 2-methyl-	2.466	1.9	ppbv	103452	1	2.777	557758	10.0
Di-tert-butyl p...	6.833	3.3	ppbv	447186	3	8.868	1339520	10.0
Hexanal	7.674	1.9	ppbv	252178	3	8.868	1339520	10.0
.alpha.-Pinene	10.849	2.2	ppbv	289624	3	8.868	1339520	10.0