LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
Data File : VL042419.D
Acq On : 28 Apr 2025 10:59
Operator : SY/MD
Sample : Q1665-05
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B2-3-3242025

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: VL042419.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.428	409	414	420	rBV	4506965	5135248	100.00%	19.971%
2	1.463	422	425	429	rBV	421014	223277	4.35%	0.868%
3	1.486	429	432	434	rVV	193450	85350	1.66%	0.332%
4	1.557	450	454	458	rBV	2597879	1272098	24.77%	4.947%
5	1.618	469	473	478	rVB	626476	330155	6.43%	1.284%
6	1.719	500	504	512	rVB	1383524	810395	15.78%	3.152%
7	1.842	535	542	548	rBV2	1540249	1388196	27.03%	5.399%
8	1.884	548	555	560	rBV	1035018	687640	13.39%	2.674%
9	1.962	575	579	584	rBV	104300	67533	1.32%	0.263%
10	2.039	599	603	606	rBV	214233	161971	3.15%	0.630%
11	2.055	606	608	613	rVB2	84284	63748	1.24%	0.248%
12	2.269	668	674	681	rBV	203508	179945	3.50%	0.700%
13	2.408	711	717	723	rBV	196640	194323	3.78%	0.756%
14	2.470	728	736	742	rVB4	83308	108248	2.11%	0.421%
15	2.622	774	783	789	rBV	50564	54809	1.07%	0.213%
16	2.784	824	833	839	rBV	551996	560743	10.92%	2.181%
17	2.819	839	844	858	rVB2	236646	286583	5.58%	1.115%
18	3.217	960	967	979	rVB5	52399	78921	1.54%	0.307%
19	3.648	1088	1100	1106	rBV5	35452	58830	1.15%	0.229%
20	3.680	1106	1110	1125	rVB2	143321	217354	4.23%	0.845%
21	3.952	1182	1194	1206	rBV	708837	1117982	21.77%	4.348%
22	4.043	1212	1222	1230	rBV4	43223	78233	1.52%	0.304%
23	4.256	1274	1288	1303	rVB5	63919	138204	2.69%	0.537%
24	4.629	1394	1403	1420	rVB4	61017	138366	2.69%	0.538%
25	5.655	1702	1720	1732	rBV8	21305	56000	1.09%	0.218%
26	5.761	1739	1753	1763	rBV4	22814	57456	1.12%	0.223%
27	6.836	2068	2085	2099	rBV2	195019	468733	9.13%	1.823%
28	6.927	2099	2113	2129	rVB2	335620	695772	13.55%	2.706%
29	7.681	2336	2346	2358	rBV3	152808	255492	4.98%	0.994%
30	8.292	2528	2535	2550	rVB7	50303	95640	1.86%	0.372%
31	8.875	2700	2715	2724	rBV2	910919	1348888	26.27%	5.246%
32	8.933	2724	2733	2745	rVB2	495279	797933	15.54%	3.103%
33	9.348	2851	2861	2874	rBV	69371	104120	2.03%	0.405%
34	9.522	2905	2915	2933	rVB	120835	242077	4.71%	0.941%
35	9.862	3010	3020	3028	rBV6	44121	68270	1.33%	0.266%
36	9.933	3032	3042	3047	rVV2	156222	224672	4.38%	0.874%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
Data File : VL042419.D
Acq On : 28 Apr 2025 10:59
Operator : SY/MD
Sample : Q1665-05
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B2-3-3242025

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	9.959	3047	3050	3070	rVB5	89818	126623	2.47%	0.492%
38	10.370	3162	3177	3187	rBV2	1173726	1461419	28.46%	5.683%
39	10.853	3317	3326	3334	rVB	243697	282763	5.51%	1.100%
40	11.092	3393	3400	3405	rBV	59576	67790	1.32%	0.264%
41	11.422	3496	3502	3508	rVB3	49990	58943	1.15%	0.229%
42	11.532	3526	3536	3546	rVB2	105104	144627	2.82%	0.562%
43	11.720	3583	3594	3598	rBV	110204	131642	2.56%	0.512%
44	11.772	3598	3610	3624	rVB2	2762131	3323481	64.72%	12.925%
45	12.037	3686	3692	3702	rVB3	165355	186261	3.63%	0.724%
46	12.668	3882	3887	3894	rVB4	58194	58579	1.14%	0.228%
47	12.824	3928	3935	3942	rBV2	187612	180664	3.52%	0.703%
48	12.998	3982	3989	4000	rVB7	38362	58139	1.13%	0.226%
49	13.380	4099	4107	4115	rVV2	1535788	1705492	33.21%	6.633%
50	13.723	4207	4213	4220	rBV3	70290	74000	1.44%	0.288%

Sum of corrected areas: 25713628

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
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Acq On : 28 Apr 2025 10:59
Operator : SY/MD
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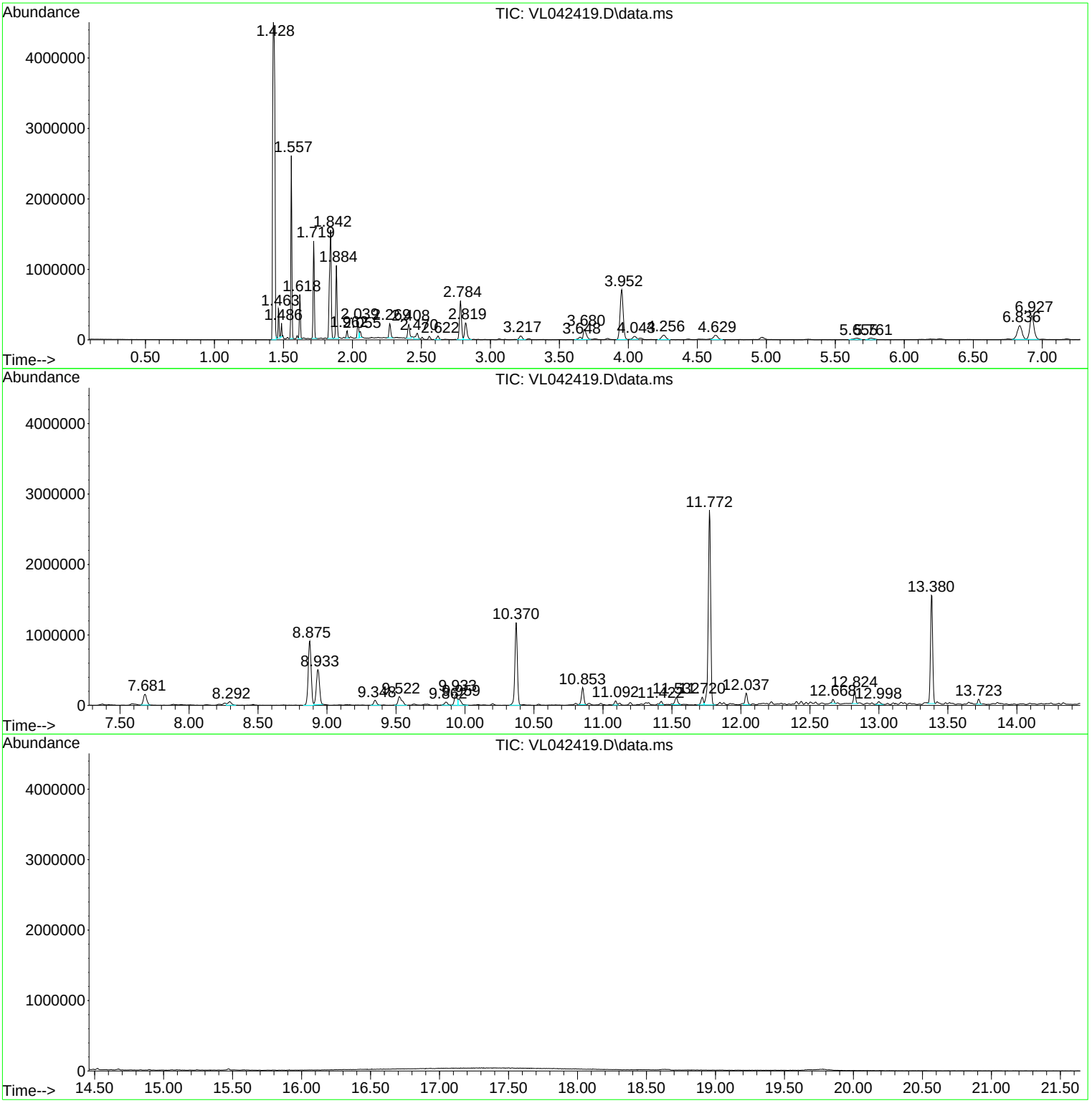
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B2-3-3242025

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 : VL042419.D
Acq On : 28 Apr 2025 10:59
Operator : SY/MD
Sample : Q1665-05
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B2-3-3242025

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

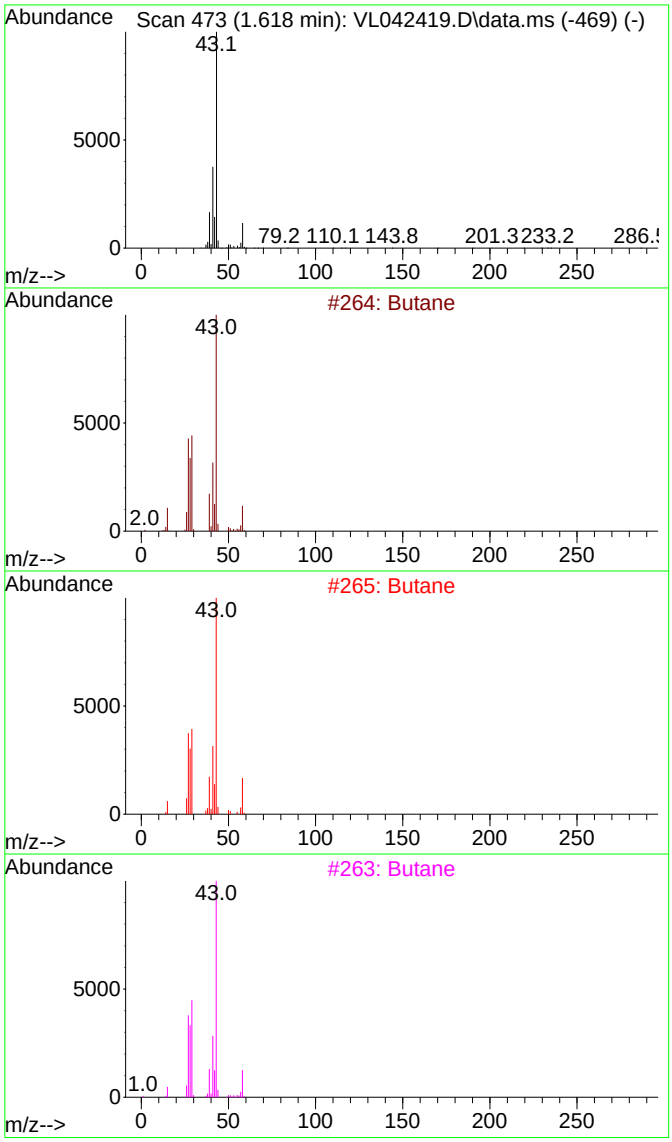
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

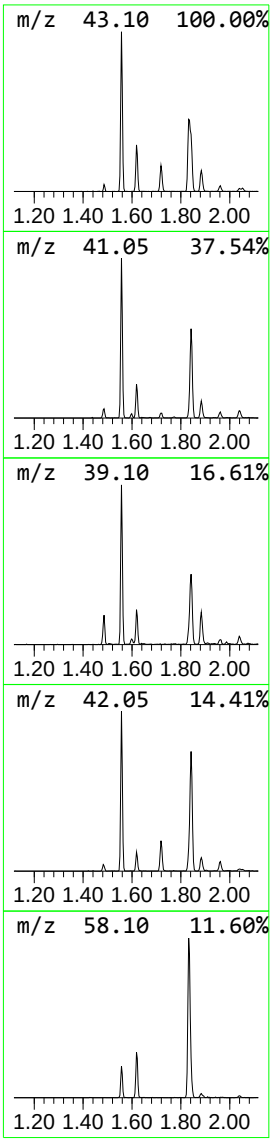
****

Peak Number 1 Butane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.618	5.89 ppbv	330155	Bromochloromethane	2.784

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, 2-nitro-	89	C3H7NO2	000079-46-9	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
Data File : VL042419.D
Acq On : 28 Apr 2025 10:59
Operator : SY/MD
Sample : Q1665-05
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B2-3-3242025

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

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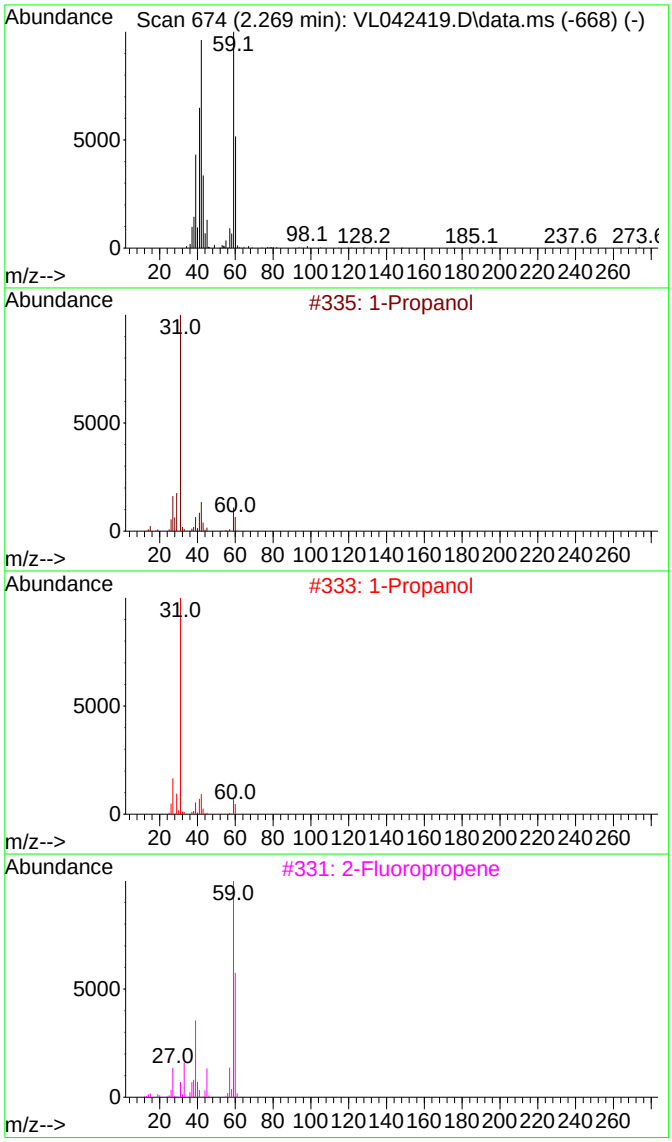
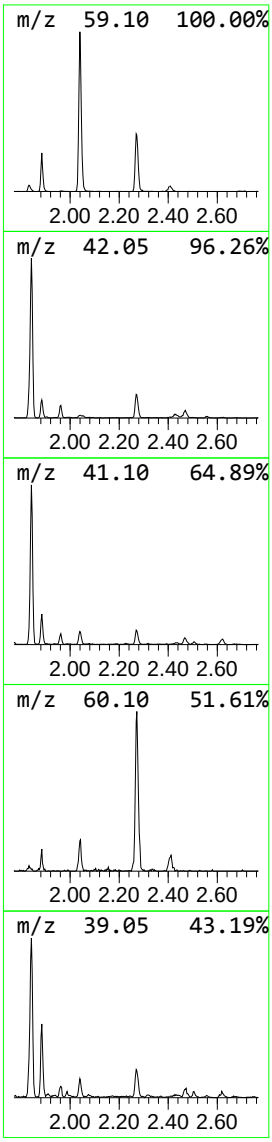
Peak Number 2 1-Propanol Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.269	3.21 ppbv	179945	Bromochloromethane	2.784

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propanol	60	C3H8O	000071-23-8	58
2	1-Propanol	60	C3H8O	000071-23-8	53
3	2-Fluoropropene	60	C3H5F	001184-60-7	43
4	1-Propanol	60	C3H8O	000071-23-8	40
5	Cyclopropane	42	C3H6	000075-19-4	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
Data File : VL042419.D
Acq On : 28 Apr 2025 10:59
Operator : SY/MD
Sample : Q1665-05
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B2-3-3242025

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

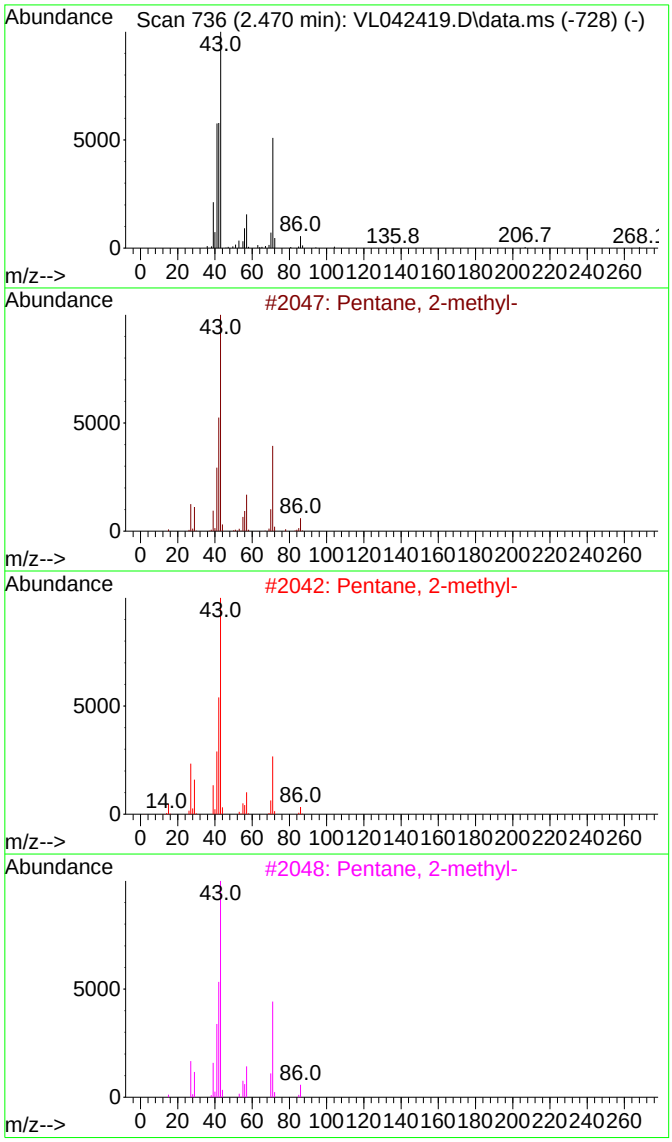
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

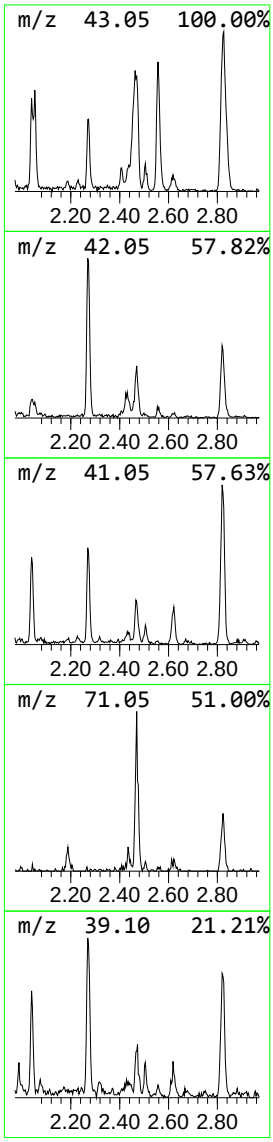
****

Peak Number 4 Pentane, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.470	1.93 ppbv	108248	Bromochloromethane	2.784

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	78
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\VL042825\
Data File : VL042419.D
Acq On : 28 Apr 2025 10:59
Operator : SY/MD
Sample : Q1665-05
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B2-3-3242025

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

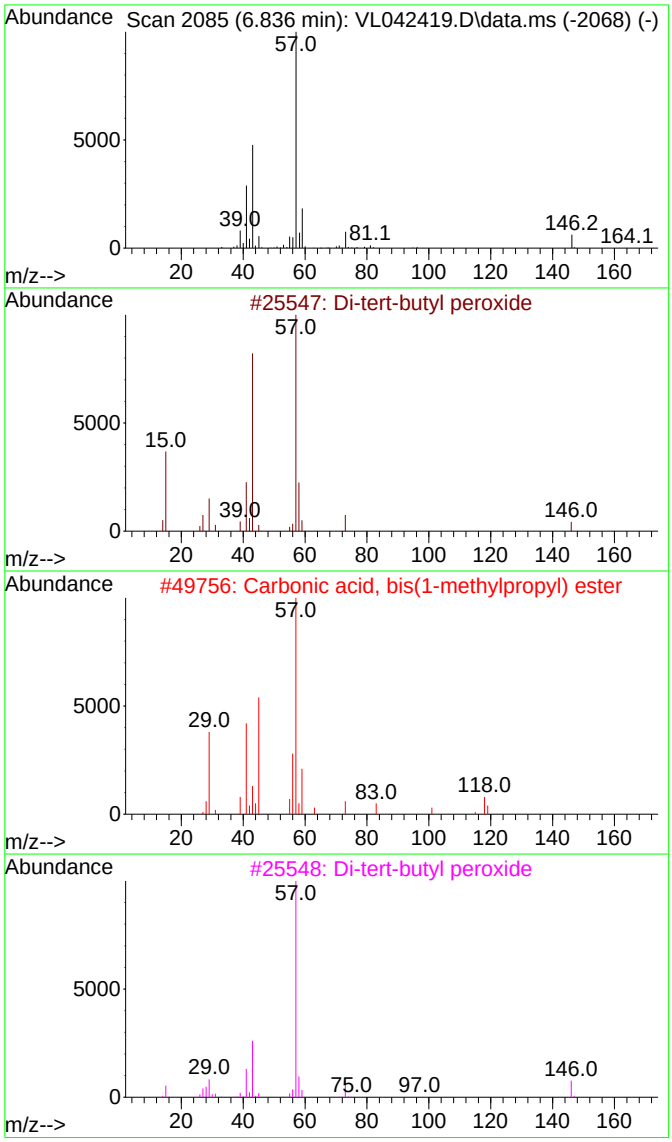
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

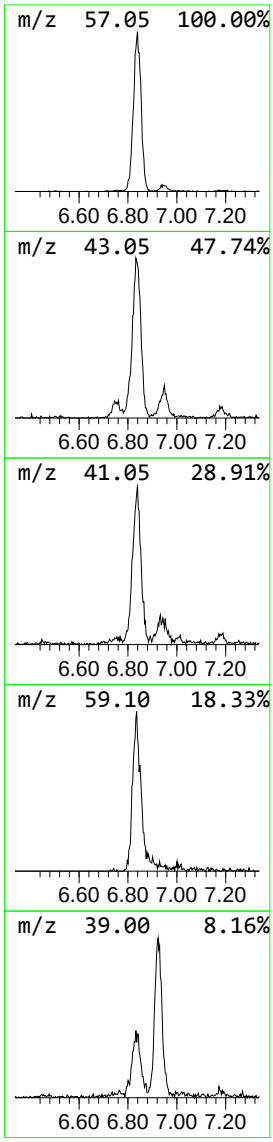
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.836	3.47 ppbv	468733	Chlorobenzene-d5	8.875

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Di-tert-butyl peroxide	146	C8H18O2	000110-05-4	53
2	Carbonic acid, bis(1-methylpropy...	174	C9H18O3	000623-63-2	42
3	Di-tert-butyl peroxide	146	C8H18O2	000110-05-4	42
4	Di-tert-butyl peroxide	146	C8H18O2	000110-05-4	40
5	Propanoic acid, 2,2-dimethyl-, s...	208	C5H9AgO2	007324-58-5	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
Data File : VL042419.D
Acq On : 28 Apr 2025 10:59
Operator : SY/MD
Sample : Q1665-05
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B2-3-3242025

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

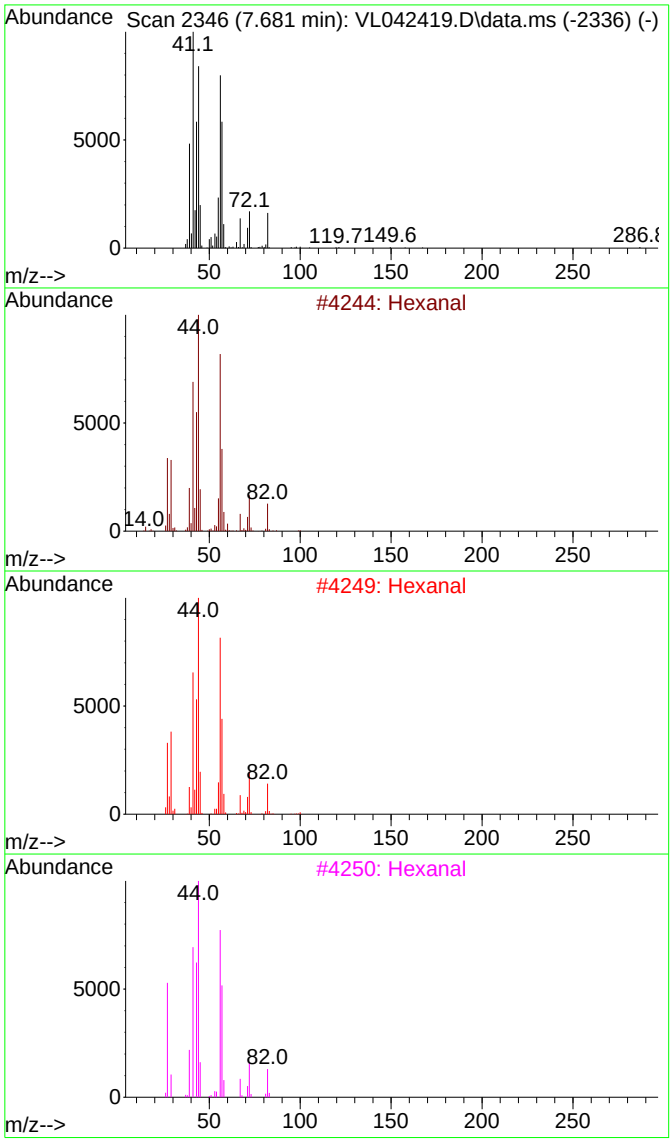
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

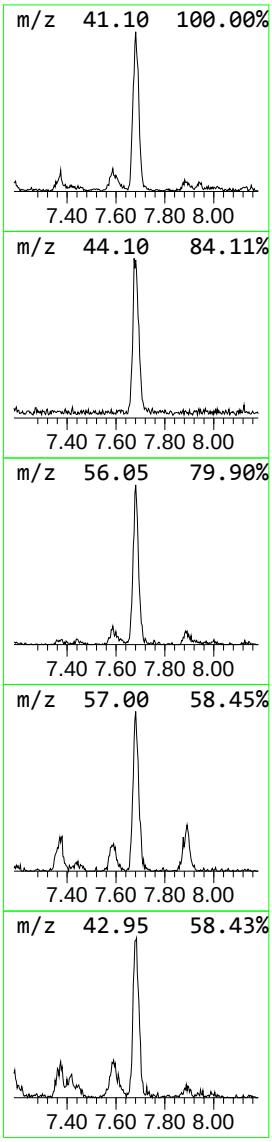
****

Peak Number 6 Hexanal Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.681	1.89 ppbv	255492	Chlorobenzene-d5	8.875

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	74
2	Hexanal	100	C6H12O	000066-25-1	72
3	Hexanal	100	C6H12O	000066-25-1	72
4	Hexanal	100	C6H12O	000066-25-1	64
5	Hexanal	100	C6H12O	000066-25-1	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
Data File : VL042419.D
Acq On : 28 Apr 2025 10:59
Operator : SY/MD
Sample : Q1665-05
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B2-3-3242025

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

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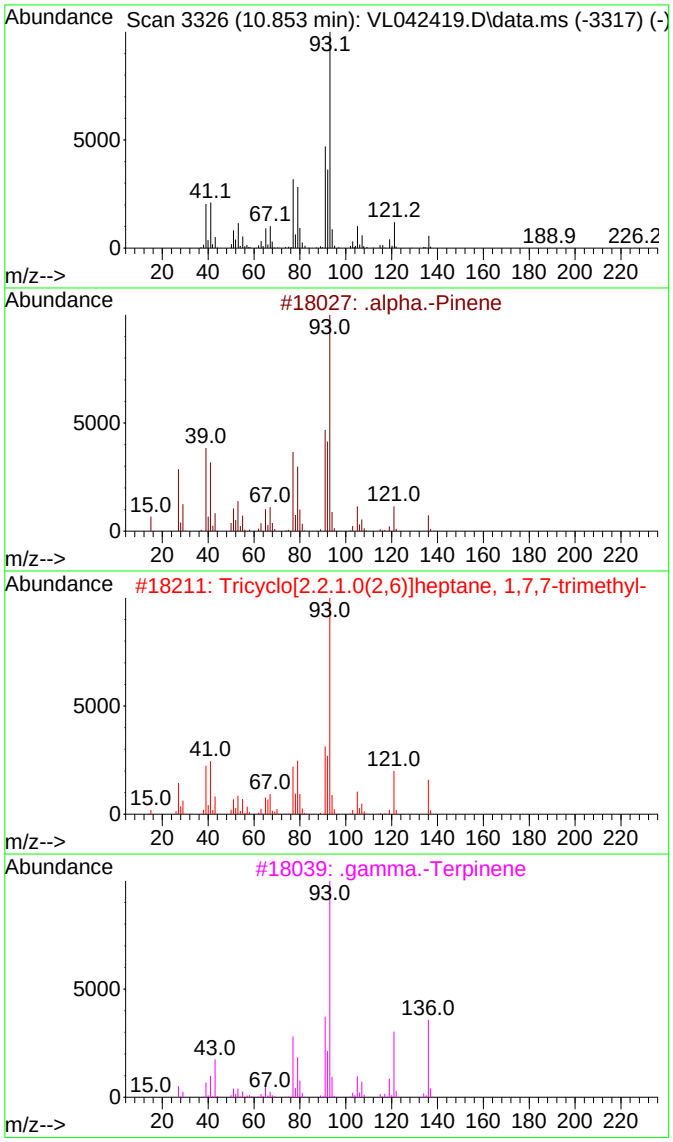
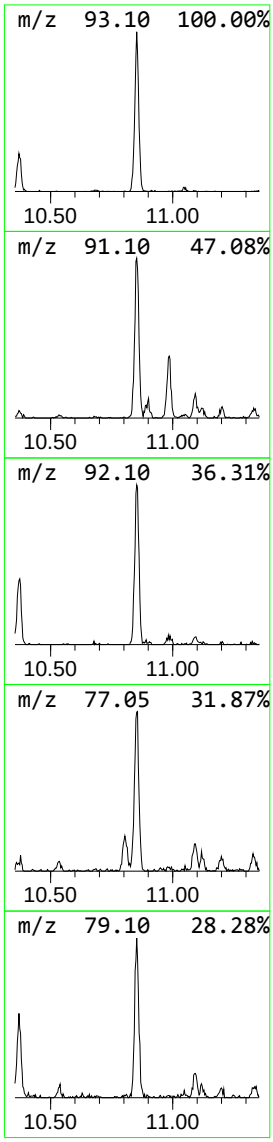
Peak Number 8 .alpha.-Pinene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.853	2.10 ppbv	282763	Chlorobenzene-d5	8.875

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Pinene	136	C10H16	000080-56-8	95
2	Tricyclo[2.2.1.0(2,6)]heptane, 1...	136	C10H16	000508-32-7	91
3	.gamma.-Terpinene	136	C10H16	000099-85-4	91
4	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	91
5	.gamma.-Terpinene	136	C10H16	000099-85-4	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
Data File : VL042419.D
Acq On : 28 Apr 2025 10:59
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Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B2-3-3242025

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	5.9	ppbv	330155	1	2.784	560743	10.0
1-Propanol	2.269	3.2	ppbv	179945	1	2.784	560743	10.0
Pentane, 2-methyl-	2.470	1.9	ppbv	108248	1	2.784	560743	10.0
Di-tert-butyl p...	6.836	3.5	ppbv	468733	3	8.875	1348890	10.0
Hexanal	7.681	1.9	ppbv	255492	3	8.875	1348890	10.0
.alpha.-Pinene	10.853	2.1	ppbv	282763	3	8.875	1348890	10.0