LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041125\
Data File : VL042317.D
Acq On : 11 Apr 2025 13:15
Operator : SY/MD
Sample : Q1665-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B10-2-3242025

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

Signal : TIC: VL042317.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	% max.	% of total
1	1.431	410	415	421	rBV	4482541	5052124	60.26%	15.216%
2	1.466	423	426	429	rBV	386882	185005	2.21%	0.557%
3	1.489	429	433	436	rVV	662537	293642	3.50%	0.884%
4	1.560	450	455	463	rVB	716250	427524	5.10%	1.288%
5	1.622	471	474	478	rVB	154258	84399	1.01%	0.254%
6	1.725	501	506	515	rBV	4344863	2985888	35.62%	8.993%
7	1.835	536	540	549	rVB	5042209	3811166	45.46%	11.478%
8	1.887	549	556	569	rVB	2772547	1964262	23.43%	5.916%
9	2.062	607	610	619	rVB2	105530	85340	1.02%	0.257%
10	2.560	758	764	777	rBV	1369531	1292354	15.42%	3.892%
11	2.790	827	835	841	rBV	638381	661936	7.90%	1.994%
12	2.832	841	848	864	rVB3	372995	685725	8.18%	2.065%
13	3.696	1109	1115	1128	rVB4	76520	119959	1.43%	0.361%
14	3.962	1184	1197	1212	rBV	758733	1148776	13.70%	3.460%
15	8.888	2703	2719	2729	rBV	924924	1287814	15.36%	3.879%
16	9.157	2790	2802	2814	rBV3	125181	197996	2.36%	0.596%
17	9.946	3035	3046	3064	rBV8	85724	187553	2.24%	0.565%
18	10.380	3166	3180	3193	rBV	1227490	1385001	16.52%	4.171%
19	11.429	3492	3504	3512	rBV3	81675	101412	1.21%	0.305%
20	12.047	3686	3695	3705	rBV	2763242	2746269	32.76%	8.271%
21	12.435	3803	3815	3824	rBV7	74961	116054	1.38%	0.350%
22	13.390	4100	4110	4121	rBV2	6926152	8383575	100.00%	25.249%

Sum of corrected areas: 33203774

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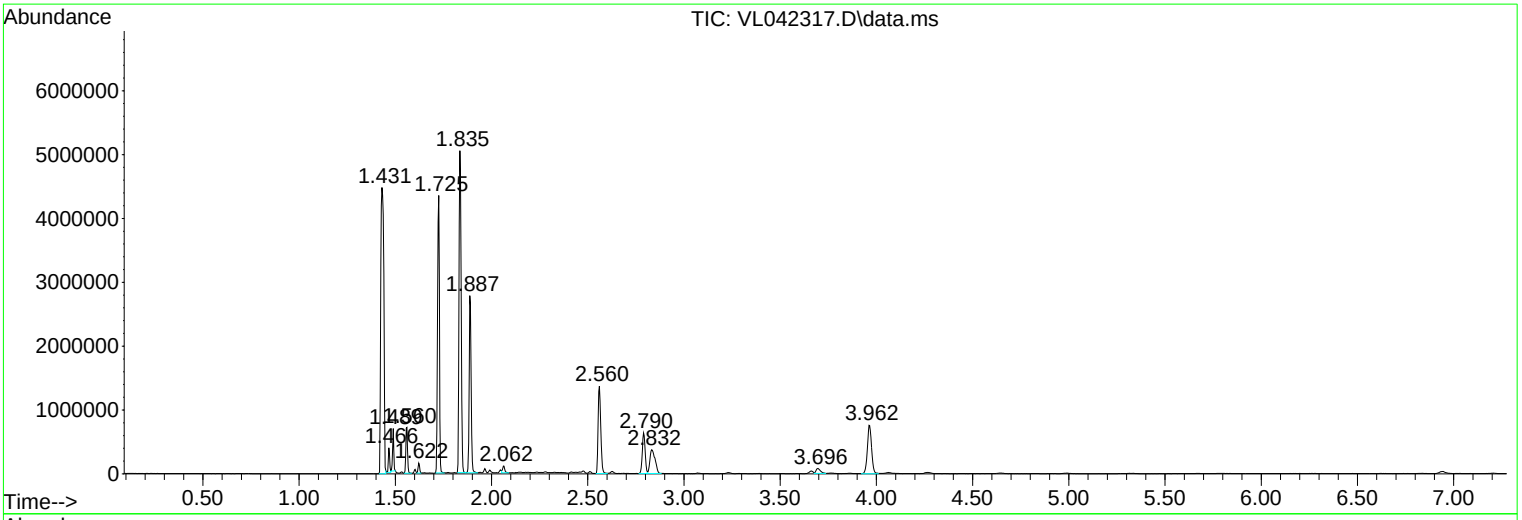
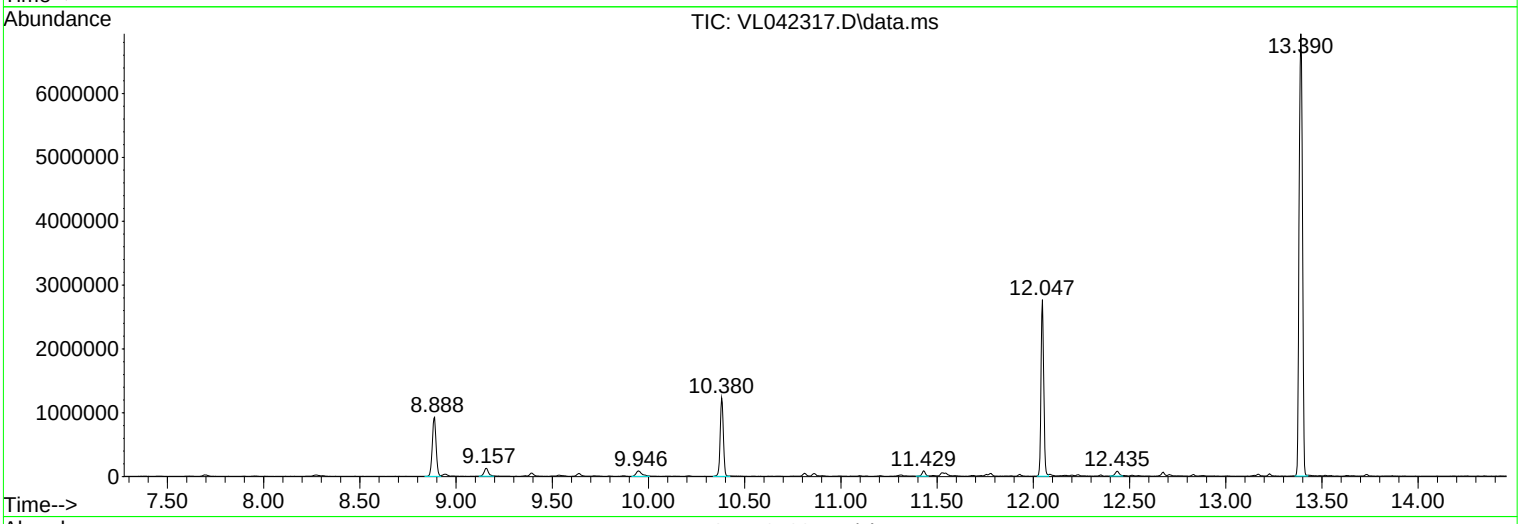
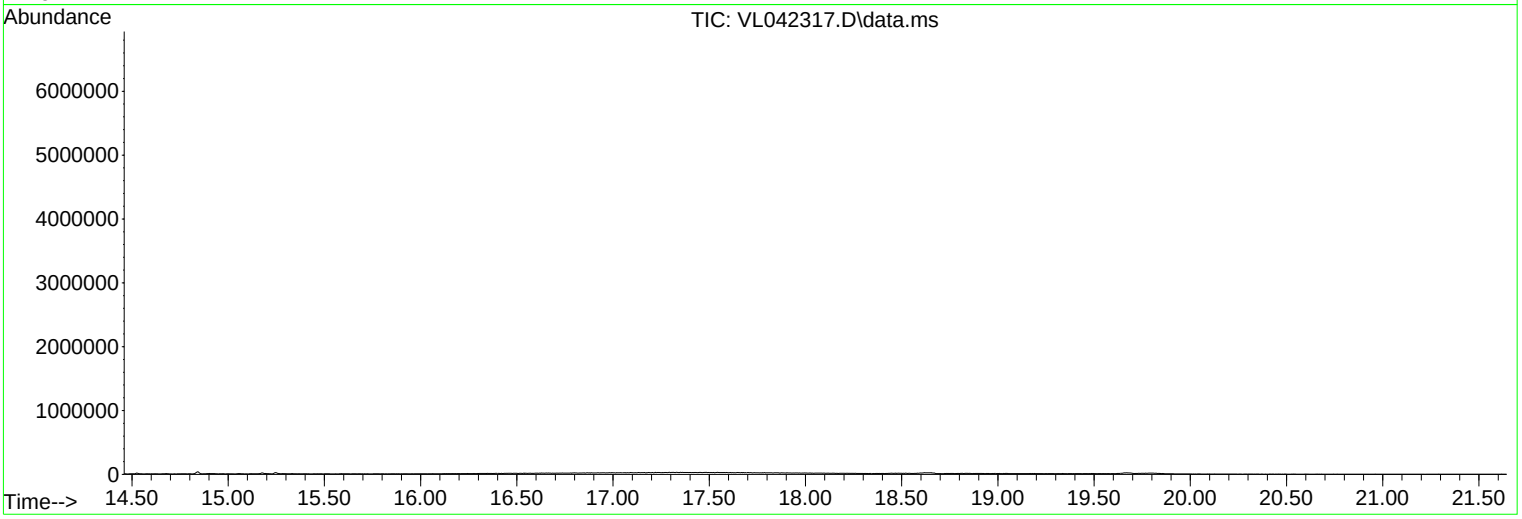
Instrument :
MSVOA_L
ClientSampleId :
IA-B10-2-3242025

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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TIC Library : C:\Database\NIST20.L
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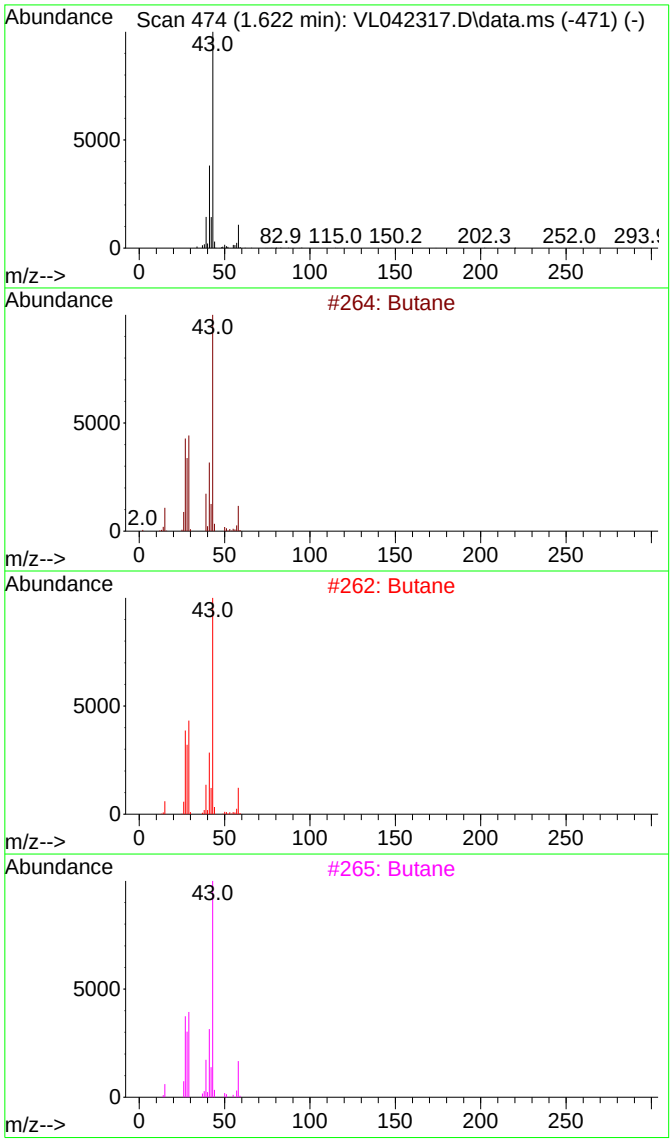
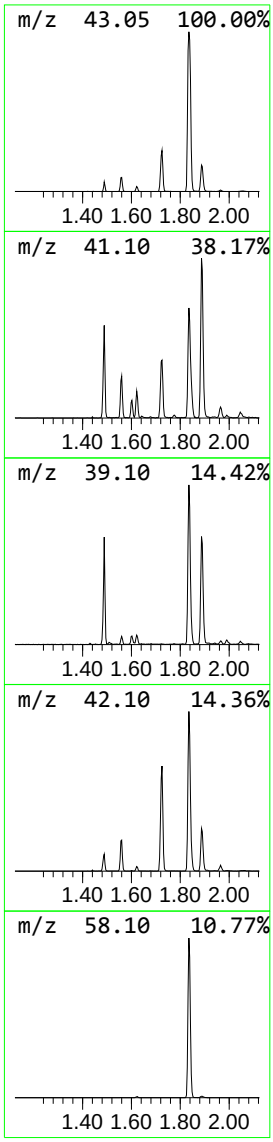
****

Peak Number 1 Butane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.622	1.28 ppbv	84399	Bromochloromethane	2.790

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane	58	C4H10	000106-97-8	72
2	Butane	58	C4H10	000106-97-8	59
3	Butane	58	C4H10	000106-97-8	59
4	Butane	58	C4H10	000106-97-8	59
5	Isobutane	58	C4H10	000075-28-5	9





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MSVOA_L
ClientSampleId :
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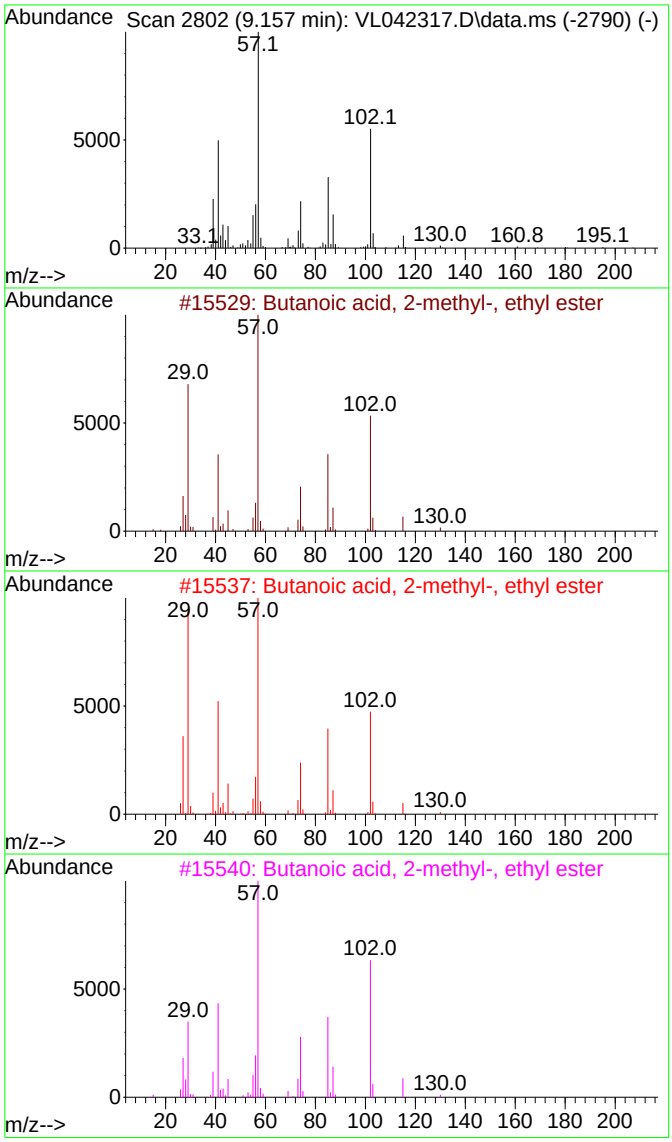
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

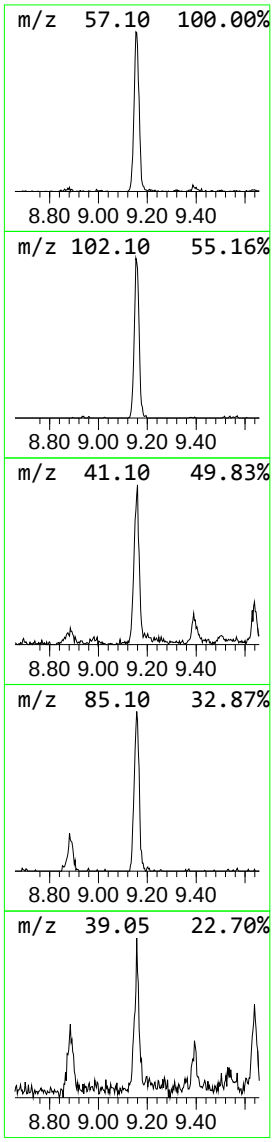
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Butanoic acid, 2-methyl-, e... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.157	1.54 ppbv	197996	Chlorobenzene-d5	8.888

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, 2-methyl-, ethyl ...	130	C7H14O2	007452-79-1	93
2	Butanoic acid, 2-methyl-, ethyl ...	130	C7H14O2	007452-79-1	81
3	Butanoic acid, 2-methyl-, ethyl ...	130	C7H14O2	007452-79-1	76
4	Butanoic acid, 2-methyl-, ethyl ...	130	C7H14O2	007452-79-1	74
5	Propanoic acid, ethyl ester	102	C5H10O2	000105-37-3	40





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Sample : Q1665-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B10-2-3242025

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

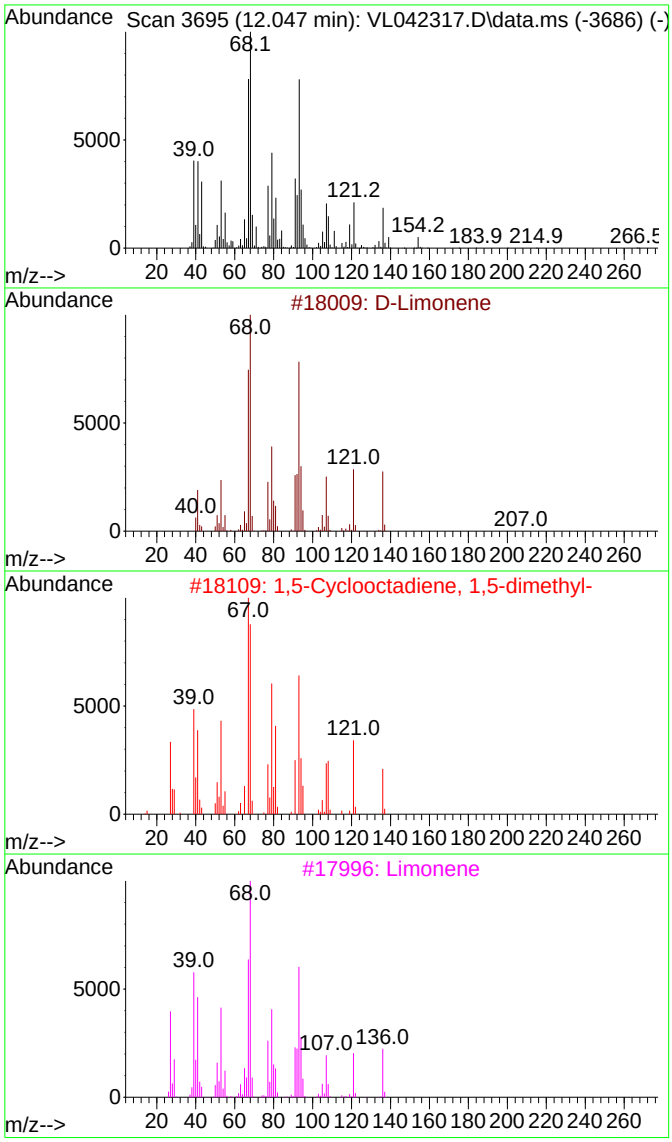
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

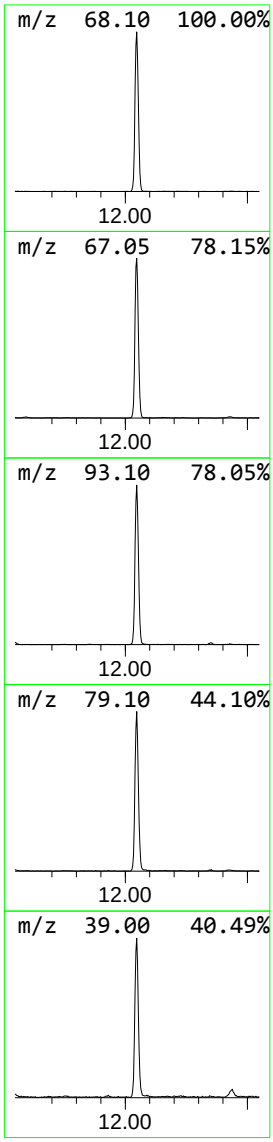
****

Peak Number 3 D-Limonene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.047	21.32 ppbv	2746270	Chlorobenzene-d5	8.888

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	D-Limonene	136	C10H16	005989-27-5	97
2	1,5-Cyclooctadiene, 1,5-dimethyl-	136	C10H16	003760-14-3	92
3	Limonene	136	C10H16	000138-86-3	86
4	Limonene	136	C10H16	000138-86-3	81
5	D-Limonene	136	C10H16	005989-27-5	81





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Instrument :
MSVOA_L
ClientSampleId :
IA-B10-2-3242025

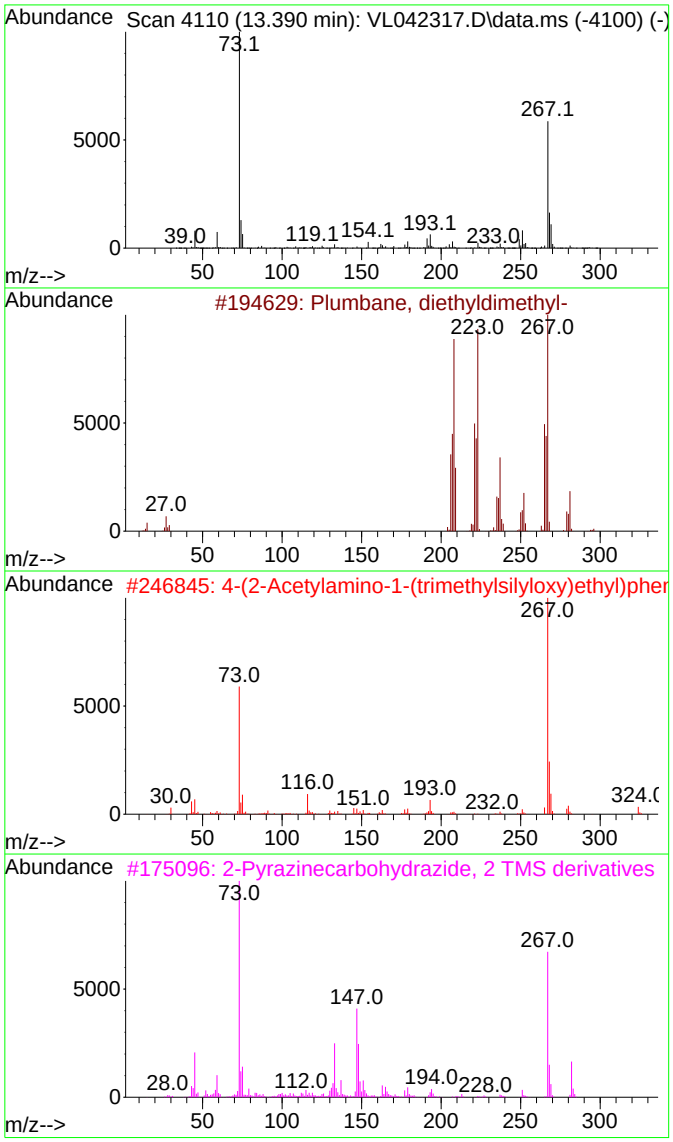
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

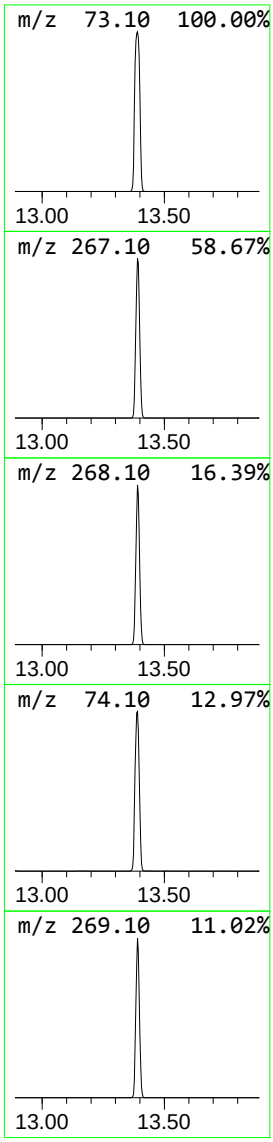
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Plumbane, diethyldimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.390	65.10 ppbv	8383580	Chlorobenzene-d5	8.888

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Plumbane, diethyldimethyl-	296	C6H16Pb	001762-27-2	91
2	4-(2-Acetylamino-1-(trimethylsil...	339	C16H29NO3Si2	1000373-43-5	72
3	2-Pyrazinecarbohydrazide, 2 TMS ...	282	C11H22N4OSi2	1000477-45-2	72
4	2,5-Dihydroxybenzaldehyde, 2TMS ...	282	C13H22O3Si2	056114-69-3	64
5	Salicylic acid, 2TMS derivative	282	C13H22O3Si2	003789-85-3	64





Tentatively Identified Compound (LSC) summary

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
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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	1.622	1.3	ppbv	84399	1	2.790	661936	10.0
Butanoic acid, ...	9.157	1.5	ppbv	197996	3	8.888	1287810	10.0
D-Limonene	12.047	21.3	ppbv	2746270	3	8.888	1287810	10.0
Plumbane, dieth...	13.390	65.1	ppbv	8383580	3	8.888	1287810	10.0