

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
 Data File : VL042186.D
 Acq On : 27 Mar 2025 18:59
 Operator : SY/MD
 Sample : Q1669-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-B9-2-3262025

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 3

Start Thrs: 0.001

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

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_L Fri Aug 26 06:05:16 2022

Signal : TIC: VL042186.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	4303548	4795170	100.00%	32.841%
2	1.486	429	432	434	rBV2	307202	123557	2.58%	0.846%
3	1.557	449	454	458	rBV	100250	52111	1.09%	0.357%
4	1.619	469	473	478	rVB	142346	76014	1.59%	0.521%
5	1.719	500	504	511	rBV	161929	101287	2.11%	0.694%
6	1.842	536	542	547	rBV2	197334	173957	3.63%	1.191%
7	1.962	574	579	584	rVB	183111	122346	2.55%	0.838%
8	2.473	730	737	744	rVB	214024	224166	4.67%	1.535%
9	2.622	777	783	792	rVB3	108383	115880	2.42%	0.794%
10	2.787	825	834	840	rBV	694264	726146	15.14%	4.973%
11	2.823	840	845	857	rVB	240227	281126	5.86%	1.925%
12	3.227	962	970	978	rBV2	53402	73831	1.54%	0.506%
13	3.654	1088	1102	1110	rBV3	58471	97116	2.03%	0.665%
14	3.955	1182	1195	1208	rBV	904630	1423209	29.68%	9.747%
15	4.049	1213	1224	1233	rVV2	50557	102997	2.15%	0.705%
16	4.266	1278	1291	1303	rBV6	63418	121901	2.54%	0.835%
17	4.635	1398	1405	1422	rVB4	37530	79988	1.67%	0.548%
18	4.978	1499	1511	1524	rBV6	32059	65972	1.38%	0.452%
19	5.661	1704	1722	1725	rBV7	31939	63305	1.32%	0.434%
20	5.765	1743	1754	1766	rBV6	30726	80946	1.69%	0.554%
21	6.930	2098	2114	2131	rBV2	201761	429024	8.95%	2.938%
22	7.600	2308	2321	2335	rBV2	22312	65864	1.37%	0.451%
23	7.687	2339	2348	2360	rVB5	52904	94806	1.98%	0.649%
24	8.302	2530	2538	2551	rVB8	27131	56654	1.18%	0.388%
25	8.878	2700	2716	2727	rBV	1212253	1755500	36.61%	12.023%
26	9.147	2791	2799	2812	rVB	72154	100197	2.09%	0.686%
27	9.354	2851	2863	2868	rBV2	63796	94942	1.98%	0.650%
28	9.390	2868	2874	2889	rVB	119934	174086	3.63%	1.192%
29	9.529	2907	2917	2934	rVB3	155116	302259	6.30%	2.070%
30	9.632	2939	2949	2965	rVB3	45857	71160	1.48%	0.487%
31	9.959	3036	3050	3064	rBV3	107163	193494	4.04%	1.325%
32	10.374	3162	3178	3188	rBV	1562482	1931984	40.29%	13.232%
33	11.095	3393	3401	3406	rBV	92871	106168	2.21%	0.727%
34	11.202	3427	3434	3443	rVB3	41074	48833	1.02%	0.334%
35	11.374	3480	3487	3493	rBV2	50694	49876	1.04%	0.342%
36	11.536	3528	3537	3549	rVB	131084	157166	3.28%	1.076%

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ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B9-2-3262025

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_L Fri Aug 26 06:05:16 2022

37	12.225	3745	3750	3757	rVB2	65690	68220	1.42%	0.467%
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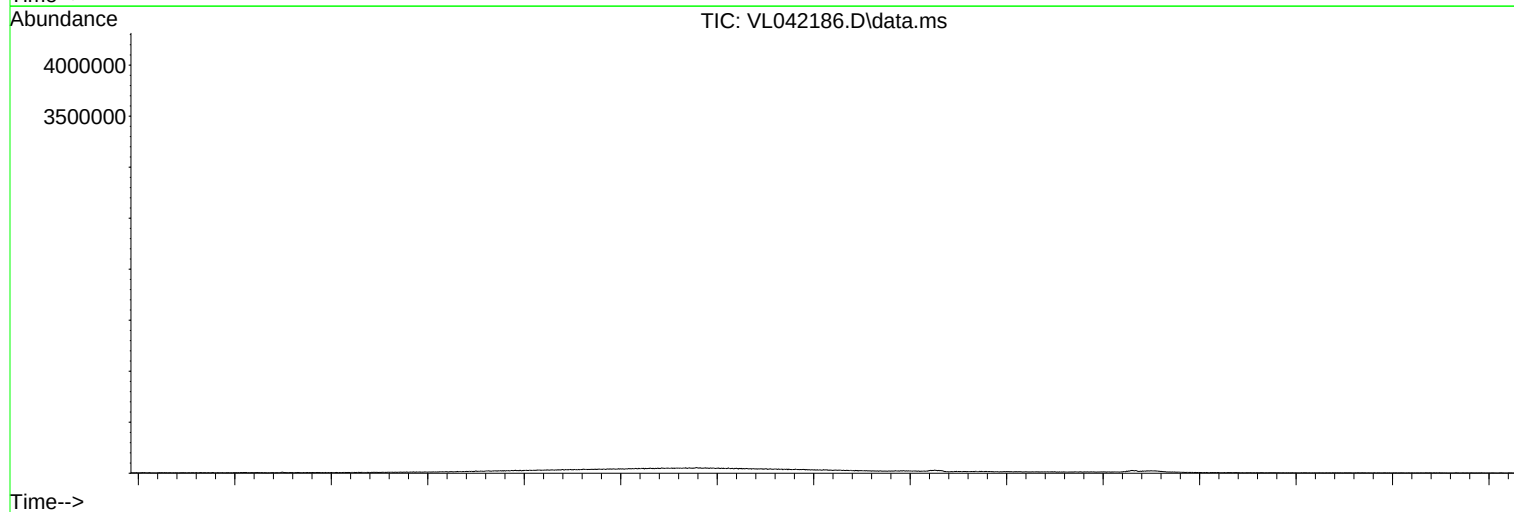
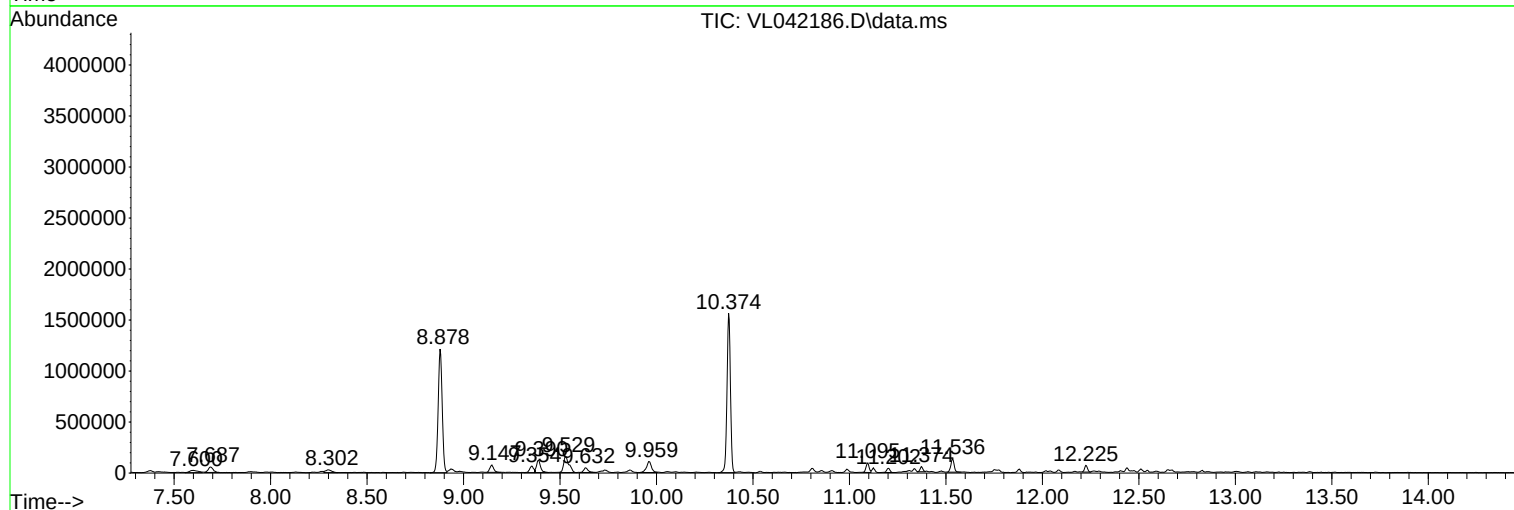
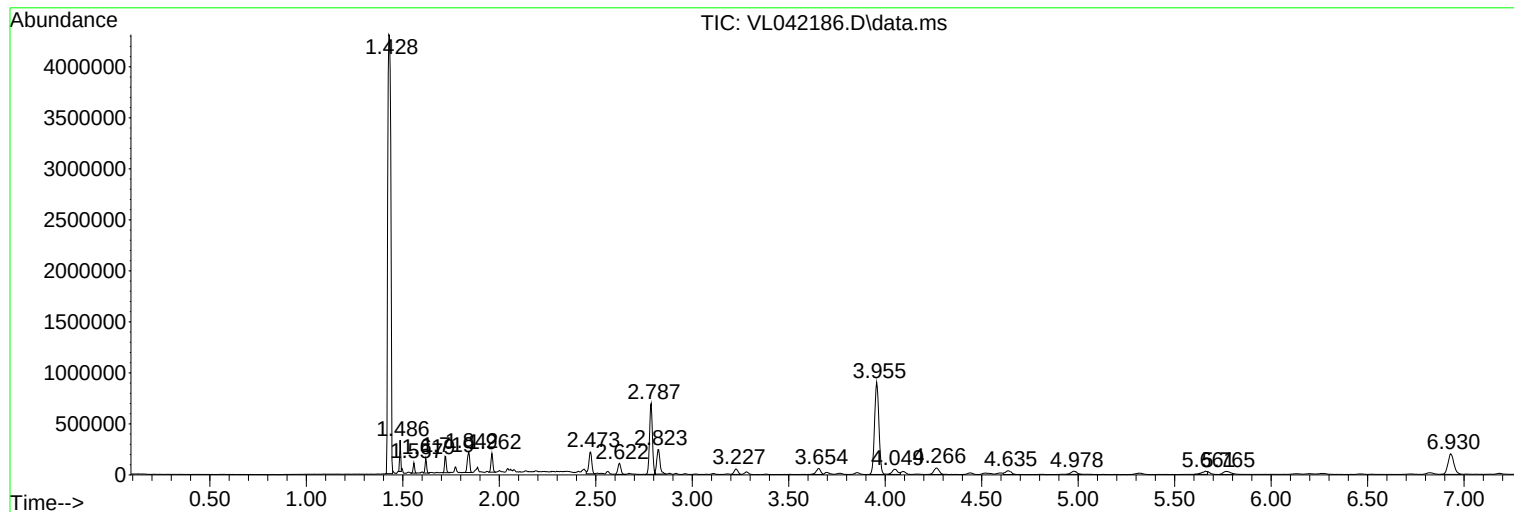
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

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



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

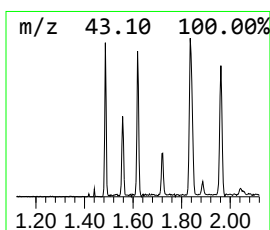
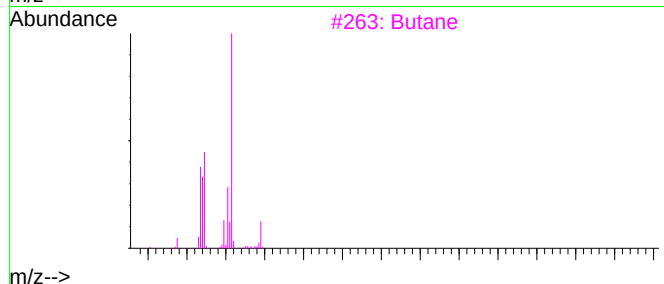
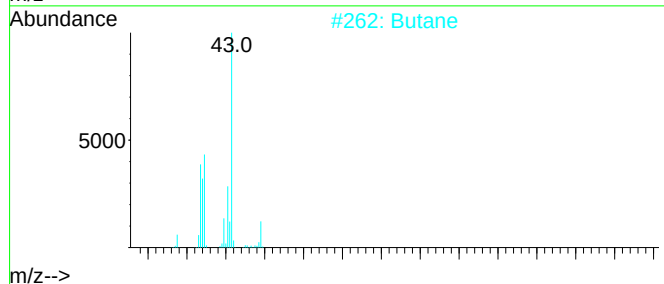
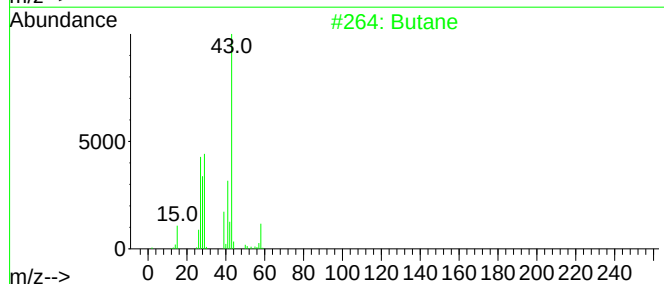
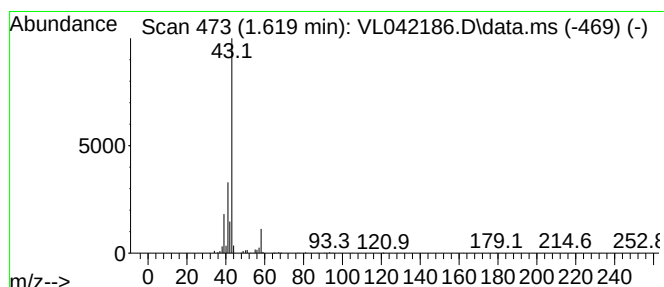
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 1 Butane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.619	1.05 ppbv	76014	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	9
5	Formic acid, chloro-, (3,4,4-tri...	194	C7H11ClO4	107323-92-2	9



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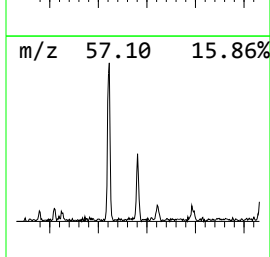
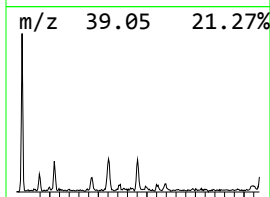
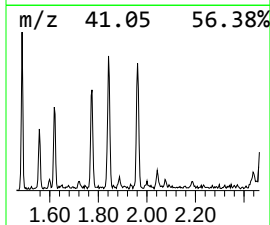
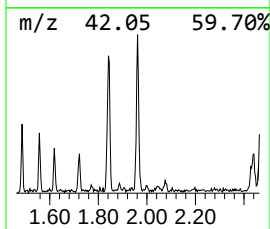
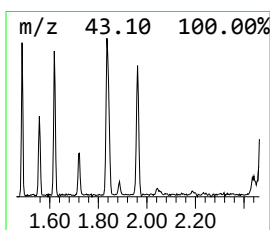
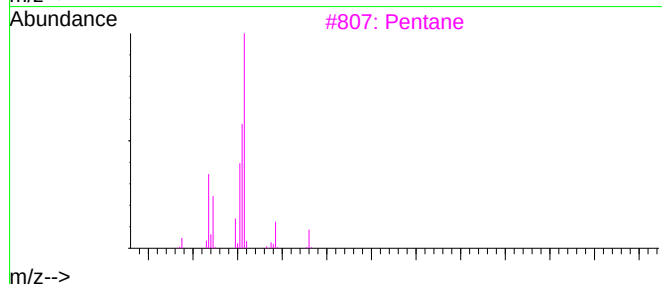
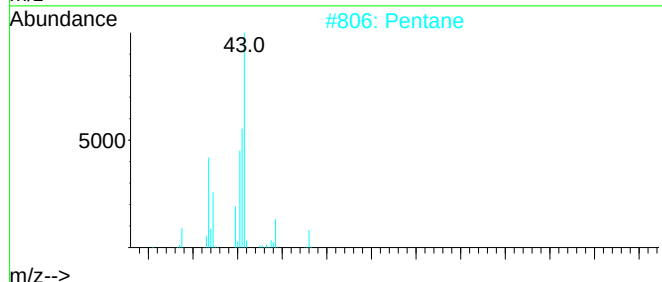
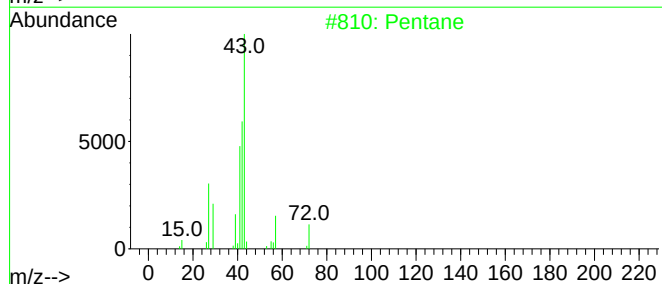
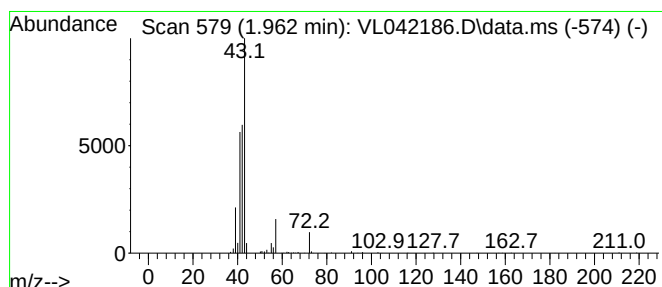
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

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

Peak Number 2 Pentane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.962	1.68 ppbv	122346	Bromochloromethane	2.784

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	86
2	Pentane	72	C5H12	000109-66-0	86
3	Pentane	72	C5H12	000109-66-0	80
4	Pentane	72	C5H12	000109-66-0	72
5	Pentane	72	C5H12	000109-66-0	72



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

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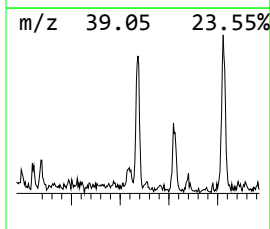
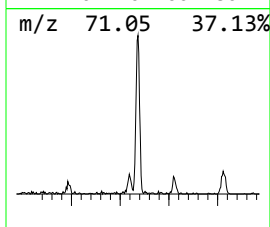
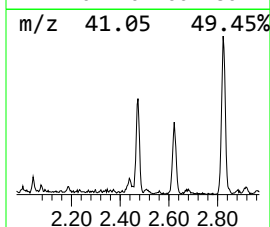
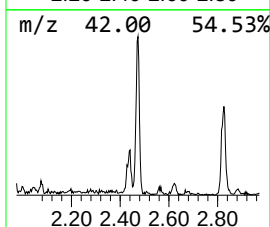
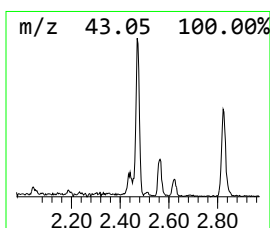
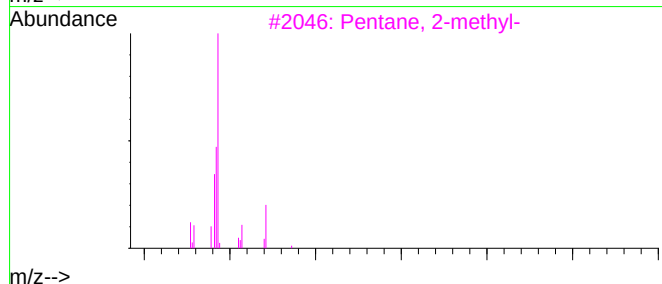
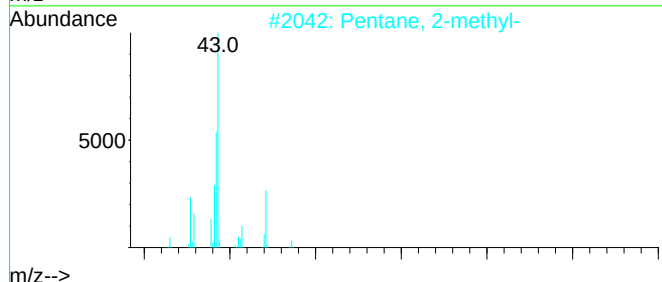
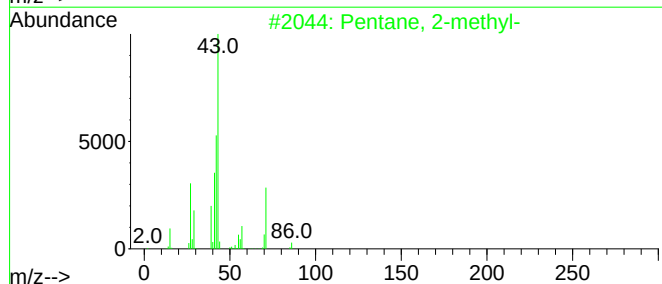
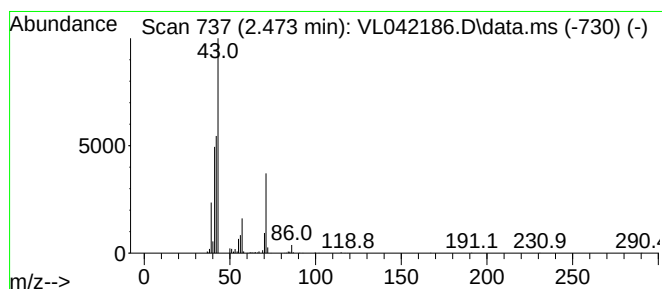
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

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

Peak Number 3 Pentane, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.473	3.09 ppbv	224166	Bromochloromethane	2.784

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	90
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	90
3	Pentane, 2-methyl-	86	C6H14	000107-83-5	83
4	Pentane, 2-methyl-	86	C6H14	000107-83-5	83
5	Pentane, 2-methyl-	86	C6H14	000107-83-5	78



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

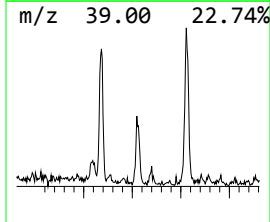
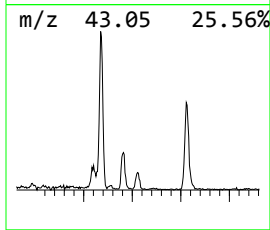
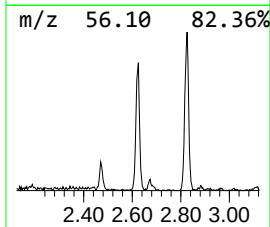
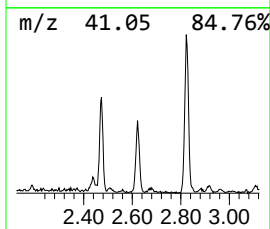
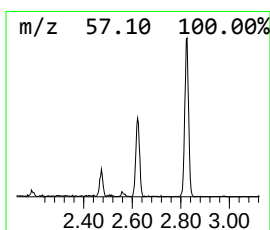
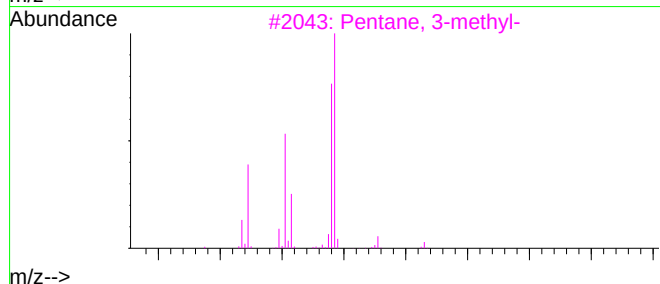
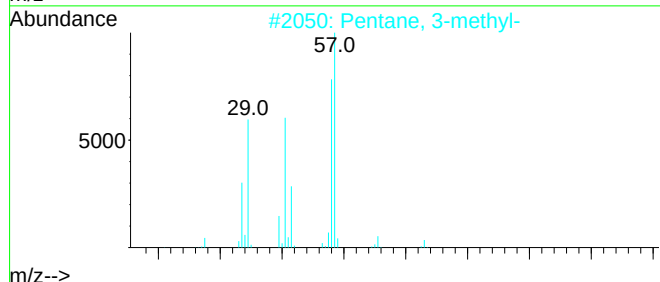
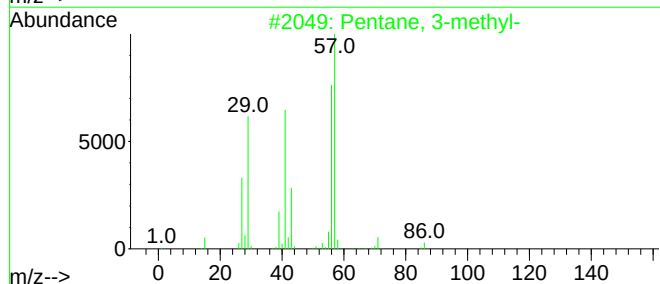
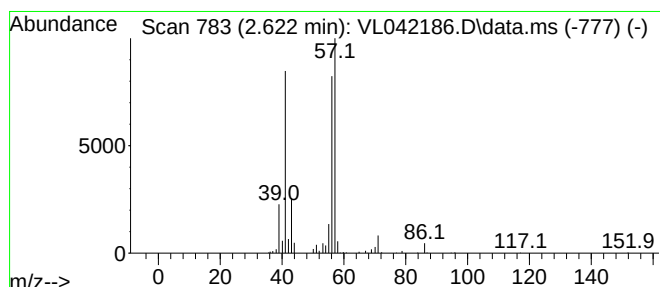
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 4 Pentane, 3-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.622	1.60 ppbv	115880	Bromochloromethane	2.784

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	86
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	72
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	72
4	Heptane, 2,2-dimethyl-	128	C9H20	001071-26-7	56
5	Decane, 2,2,3-trimethyl-	184	C13H28	062338-09-4	53



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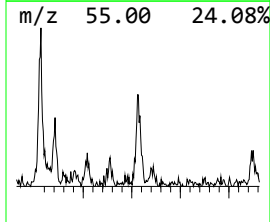
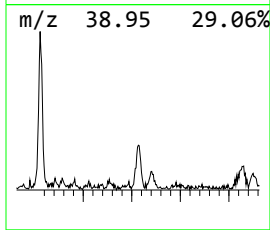
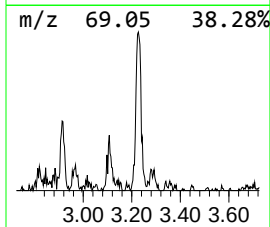
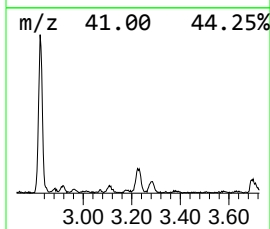
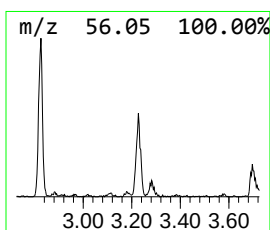
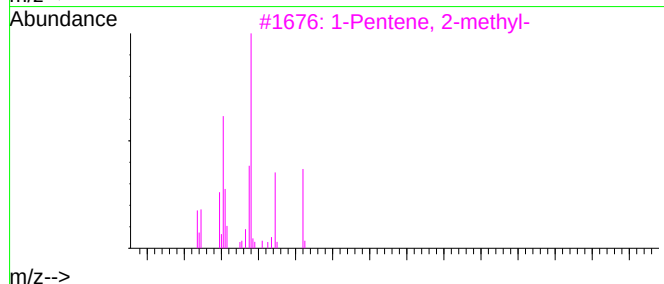
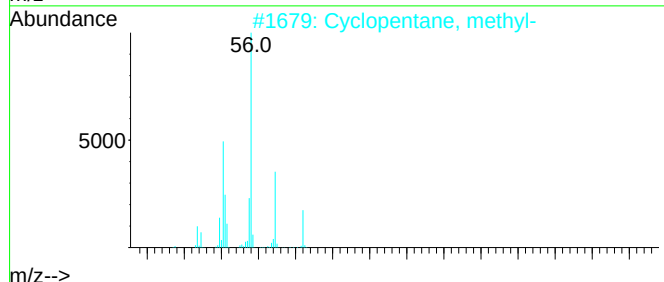
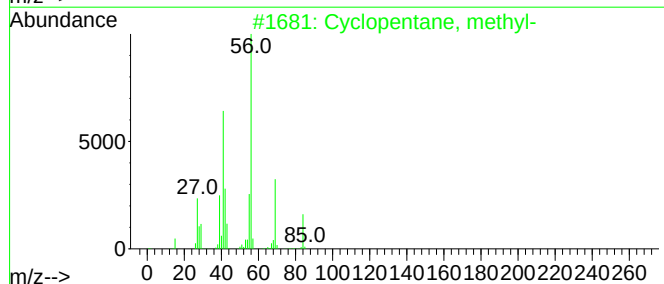
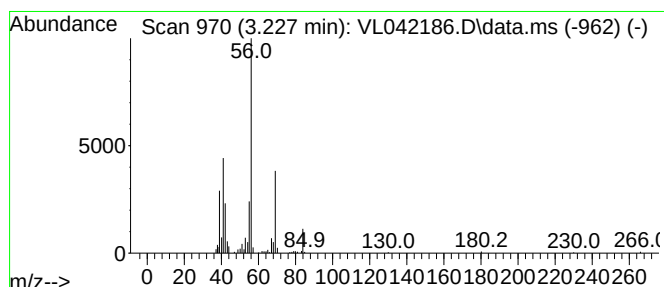
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 5 Cyclopentane, methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.227	1.02 ppbv	73831	Bromochloromethane	2.784

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	86
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	78
3	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	72
4	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	64
5	Cyclohexane	84	C6H12	000110-82-7	56



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

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane	1.619	1.1	ppbv	76014	1	2.784	726146	10.0
Pentane	1.962	1.7	ppbv	122346	1	2.784	726146	10.0
Pentane, 2-methyl-	2.473	3.1	ppbv	224166	1	2.784	726146	10.0
Pentane, 3-methyl-	2.622	1.6	ppbv	115880	1	2.784	726146	10.0
Cyclopentane, m...	3.227	1.0	ppbv	73831	1	2.784	726146	10.0