

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
 Data File : VL042187.D
 Acq On : 27 Mar 2025 19:36
 Operator : SY/MD
 Sample : Q1669-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-B9-1-3262025

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: VL042187.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	4301374	4710651	100.00%	31.571%
2	1.618	470	473	477	rVB	156815	78959	1.68%	0.529%
3	1.719	498	504	509	rBV	168321	103085	2.19%	0.691%
4	1.771	516	520	525	rVB	97059	63145	1.34%	0.423%
5	1.842	533	542	548	rBV2	269624	232004	4.93%	1.555%
6	1.962	574	579	584	rVB	237364	159501	3.39%	1.069%
7	2.473	730	737	745	rVB	211971	219624	4.66%	1.472%
8	2.622	774	783	791	rVB2	122100	128445	2.73%	0.861%
9	2.787	824	834	840	rBV	679173	719172	15.27%	4.820%
10	2.823	840	845	857	rVB2	234183	271041	5.75%	1.817%
11	3.224	960	969	979	rBV2	69154	101212	2.15%	0.678%
12	3.651	1087	1101	1110	rBV2	63116	103844	2.20%	0.696%
13	3.955	1182	1195	1208	rBV2	872909	1389529	29.50%	9.313%
14	4.046	1214	1223	1232	rBV2	38945	67415	1.43%	0.452%
15	4.263	1276	1290	1303	rBV6	52862	102619	2.18%	0.688%
16	4.638	1397	1406	1419	rVB3	31547	68470	1.45%	0.459%
17	4.978	1497	1511	1524	rBV6	33760	68274	1.45%	0.458%
18	5.658	1704	1721	1722	rBV6	29028	47729	1.01%	0.320%
19	5.761	1742	1753	1770	rBV5	60778	151794	3.22%	1.017%
20	6.930	2100	2114	2132	rVB2	221303	456409	9.69%	3.059%
21	7.687	2338	2348	2361	rVB5	40124	70097	1.49%	0.470%
22	8.299	2530	2537	2547	rVB7	27944	47603	1.01%	0.319%
23	8.878	2704	2716	2727	rBV	1150031	1706112	36.22%	11.434%
24	8.933	2727	2733	2743	rVB3	34395	55575	1.18%	0.372%
25	9.147	2788	2799	2813	rVB2	101510	152584	3.24%	1.023%
26	9.351	2854	2862	2868	rBV3	59128	85553	1.82%	0.573%
27	9.386	2868	2873	2890	rVB2	89014	125835	2.67%	0.843%
28	9.529	2906	2917	2933	rVB3	155383	297317	6.31%	1.993%
29	9.629	2939	2948	2961	rBV3	44543	71120	1.51%	0.477%
30	9.869	3011	3022	3033	rVB2	252203	334740	7.11%	2.243%
31	9.959	3037	3050	3061	rBV2	94028	151319	3.21%	1.014%
32	10.374	3162	3178	3190	rBV	1515532	1874231	39.79%	12.561%
33	10.807	3304	3312	3320	rBV2	57952	75128	1.59%	0.504%
34	11.092	3391	3400	3405	rBV	62844	70819	1.50%	0.475%
35	11.532	3528	3536	3544	rBV	97866	120361	2.56%	0.807%
36	12.083	3699	3706	3714	rVB2	58599	67164	1.43%	0.450%

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Instrument :
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ClientSampleId :
IA-B9-1-3262025

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_L Fri Aug 26 06:05:16 2022

37	12.225	3743	3750	3757	rBV2	119626	129519	2.75%	0.868%
38	12.439	3810	3816	3820	rBV	71021	70597	1.50%	0.473%
39	12.510	3830	3838	3844	rBV	77564	89280	1.90%	0.598%
40	12.652	3873	3882	3886	rBV2	62565	83162	1.77%	0.557%

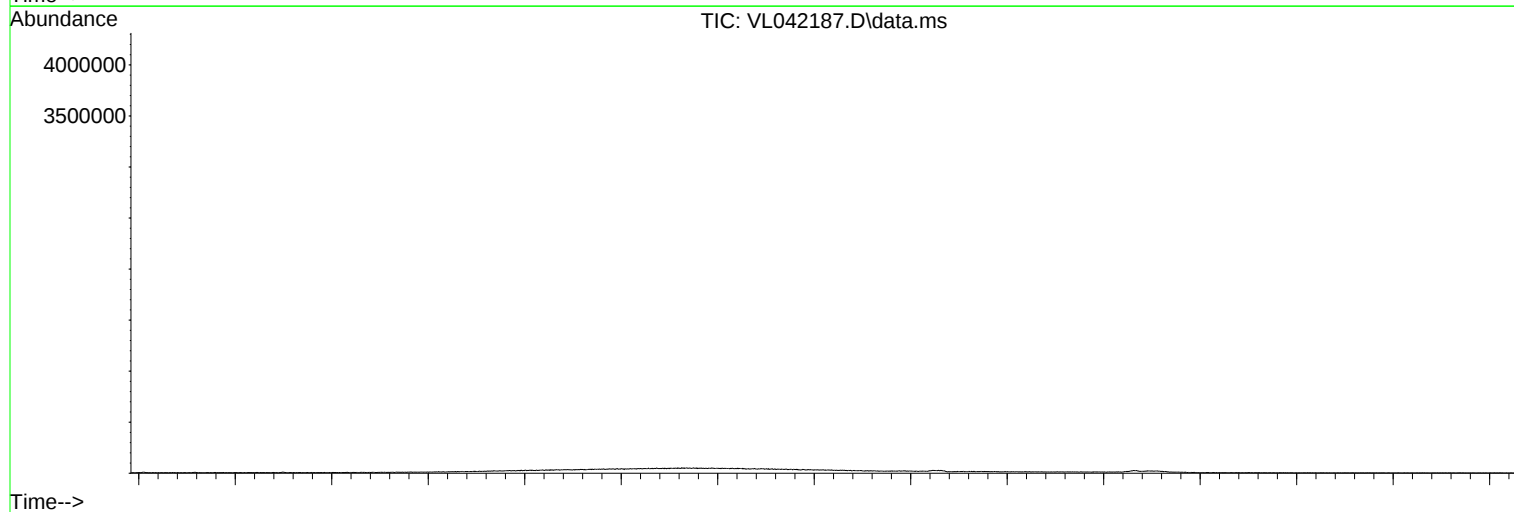
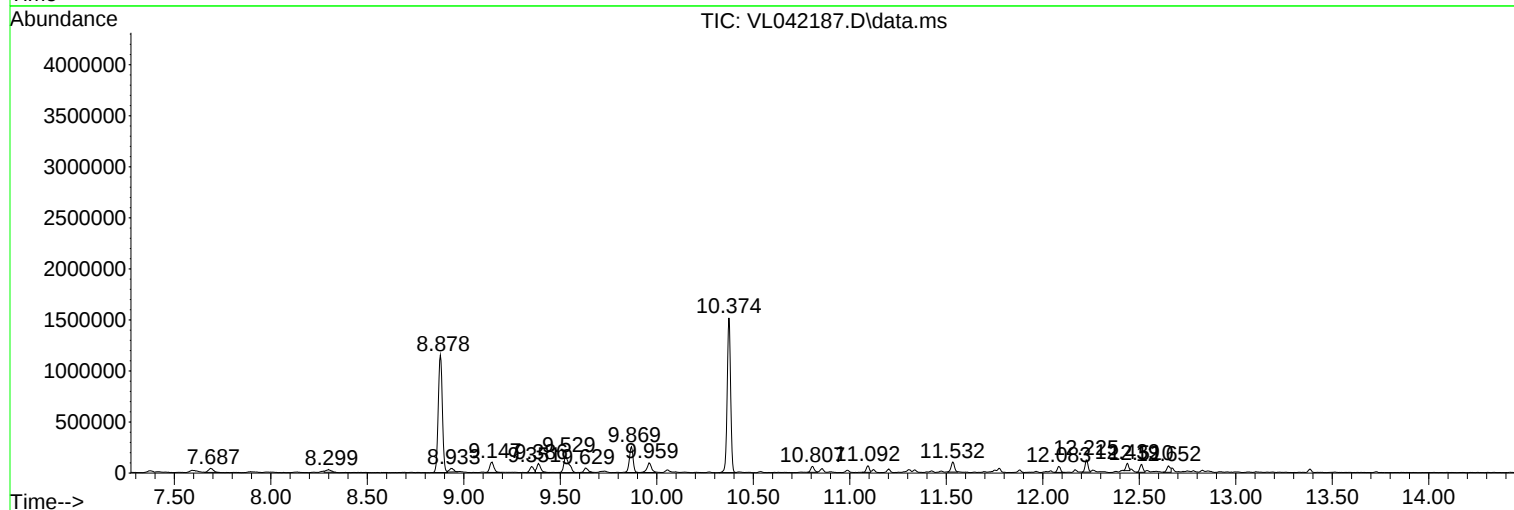
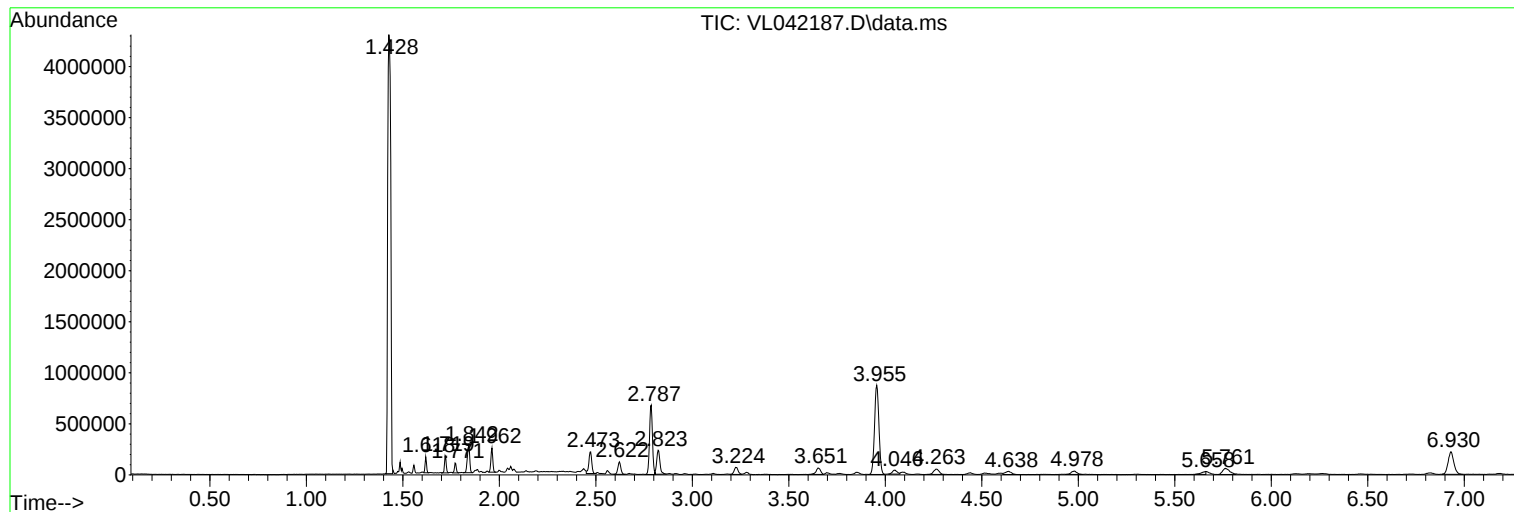
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Instrument :
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ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: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

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
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Sample : Q1669-03
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

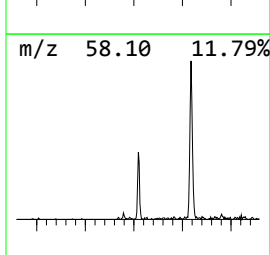
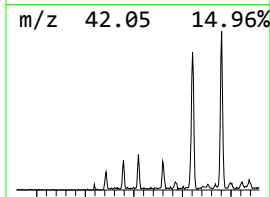
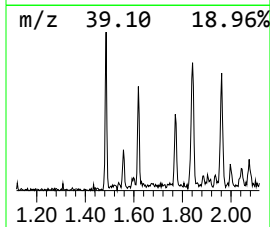
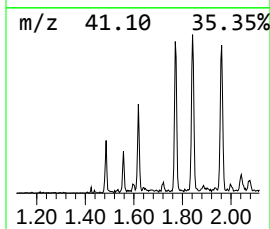
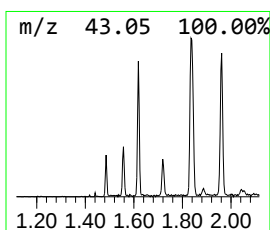
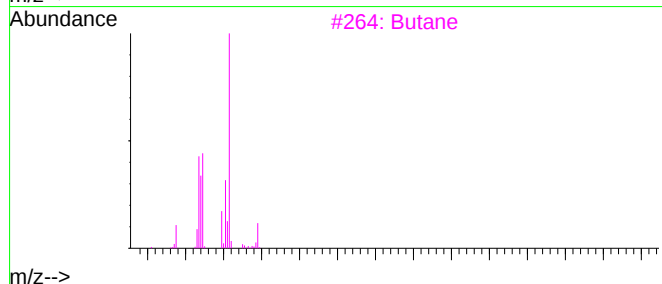
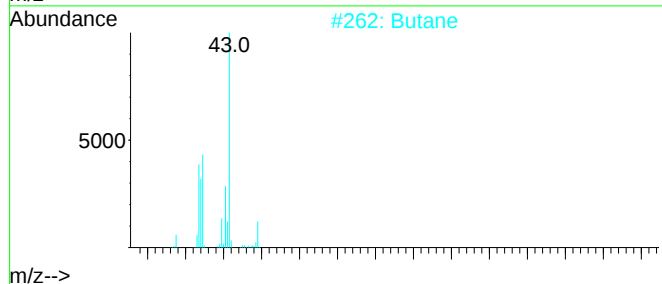
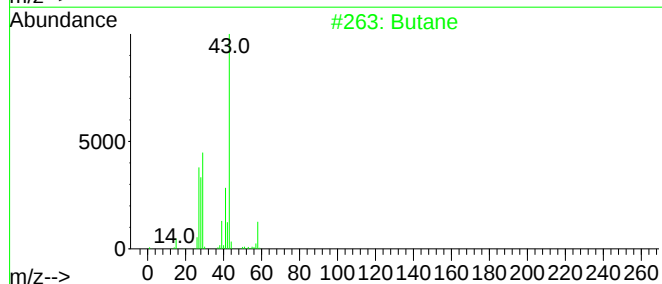
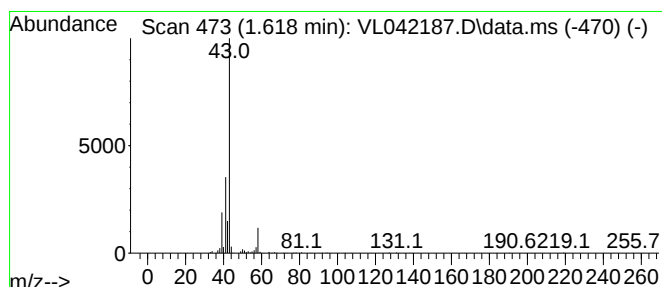
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 1 Butane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.618	1.10 ppbv	78959	Bromochloromethane	2.784

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane	58	C4H10	000106-97-8	53
2	Butane	58	C4H10	000106-97-8	53
3	Butane	58	C4H10	000106-97-8	53
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	42
5	Butane	58	C4H10	000106-97-8	42



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

Instrument :
MSVOA_L
ClientSampleId :
IA-B9-1-3262025

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

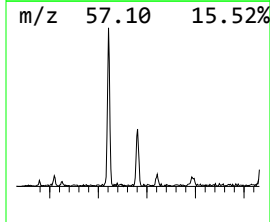
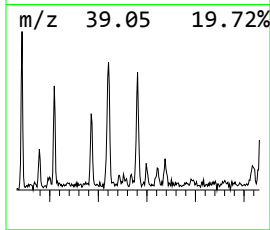
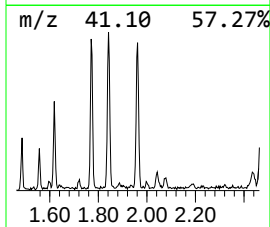
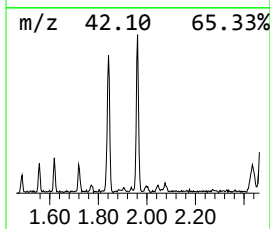
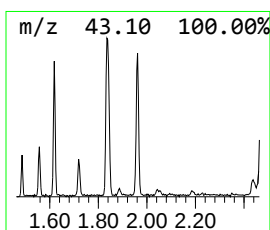
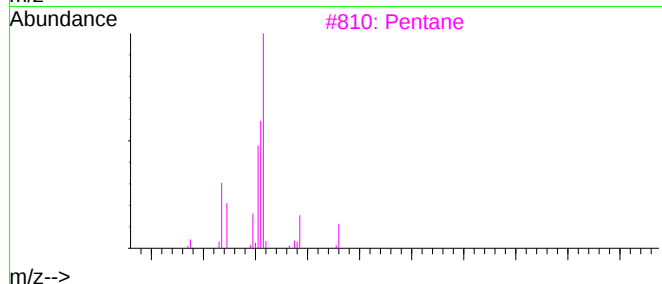
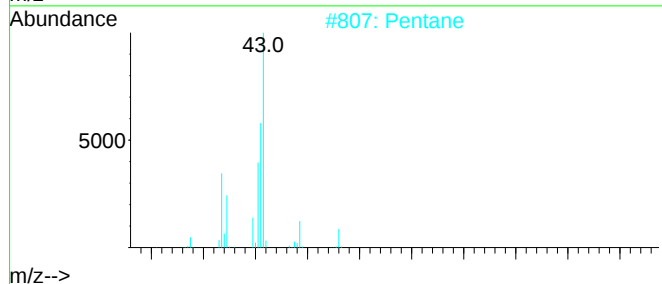
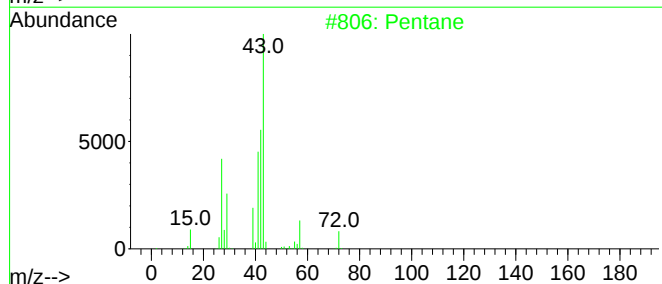
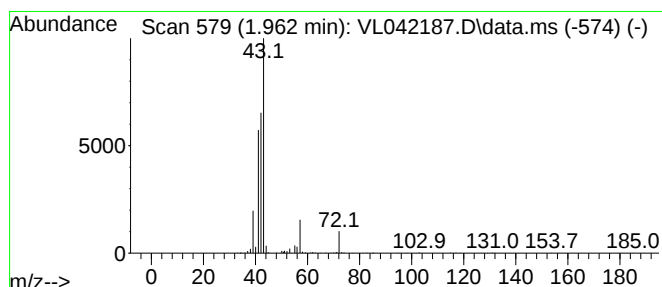
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 2 Pentane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.962	2.22 ppbv	159501	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	86
4	Pentane	72	C5H12	000109-66-0	78
5	Butane, 2-methyl-	72	C5H12	000078-78-4	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042187.D
Acq On : 27 Mar 2025 19:36
Operator : SY/MD
Sample : Q1669-03
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B9-1-3262025

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

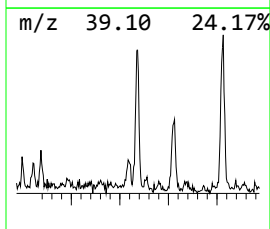
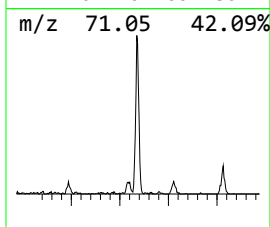
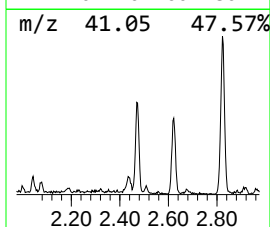
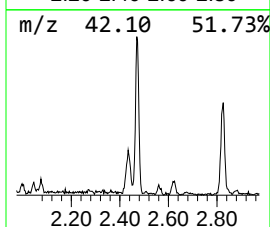
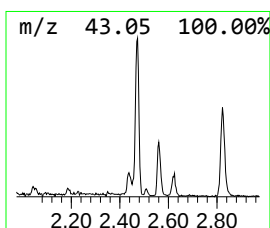
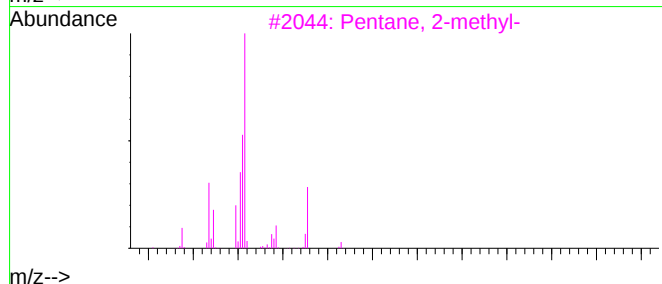
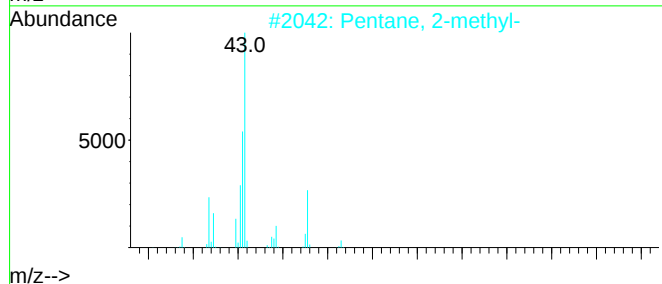
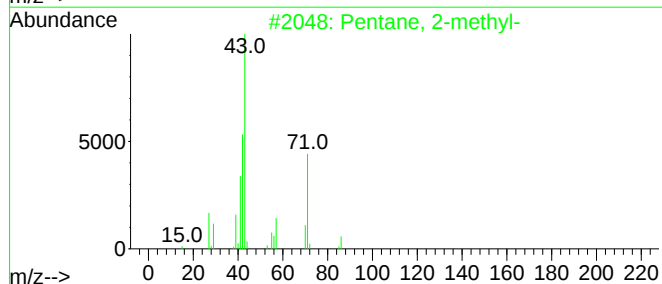
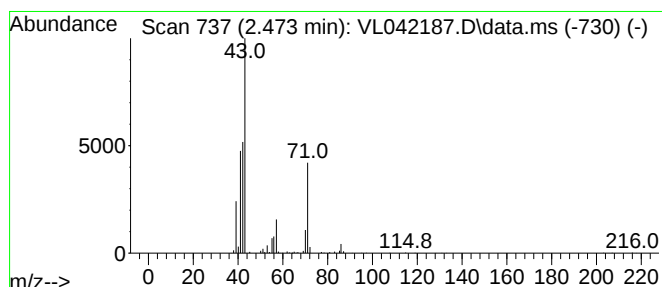
TIC Library : C:\Database\NIST20.L

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	3.05 ppbv	219624	Bromochloromethane	2.784

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	90
3	Pentane, 2-methyl-	86	C6H14	000107-83-5	87
4	Pentane, 2-methyl-	86	C6H14	000107-83-5	83
5	Pentane, 2-methyl-	86	C6H14	000107-83-5	80



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ALS Vial : 6 Sample Multiplier: 1

Instrument :
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ClientSampleId :
IA-B9-1-3262025

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

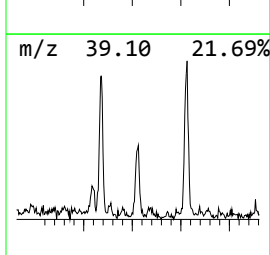
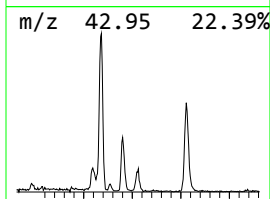
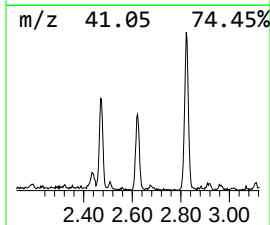
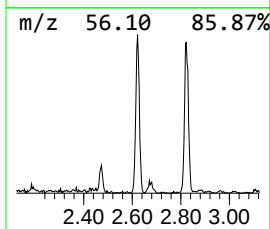
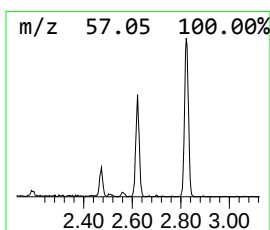
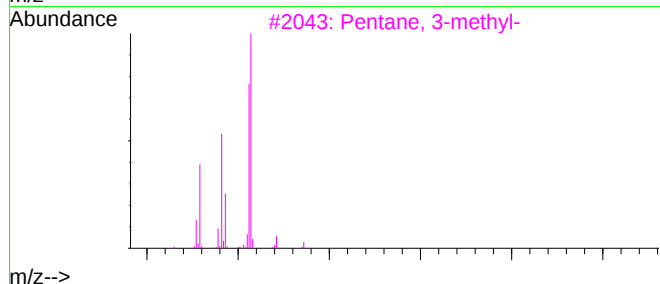
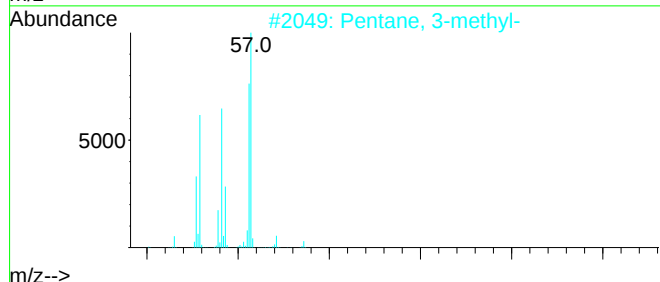
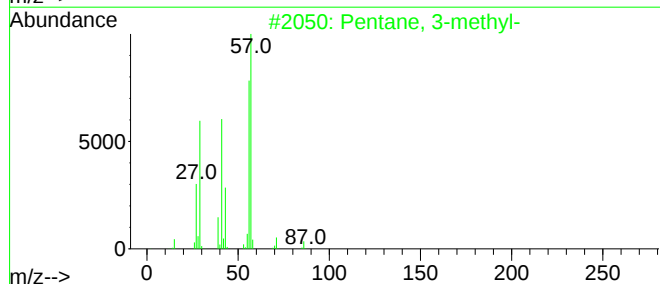
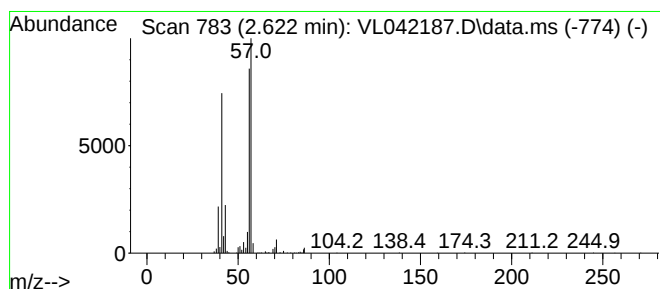
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.622	1.79 ppbv	128445	Bromochloromethane	2.784

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	90
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	90
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	80
4	1-Hexene, 4-methyl-	98	C7H14	003769-23-1	64
5	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	64



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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

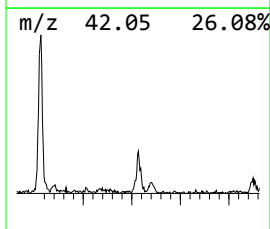
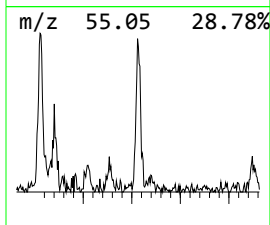
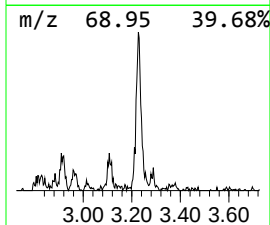
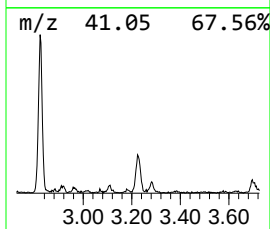
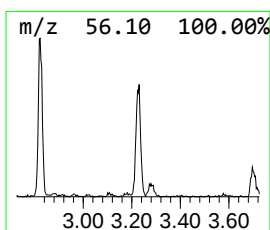
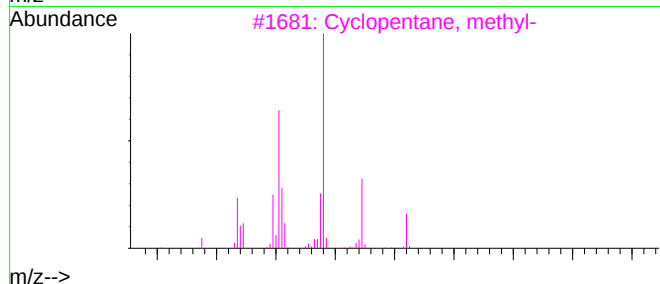
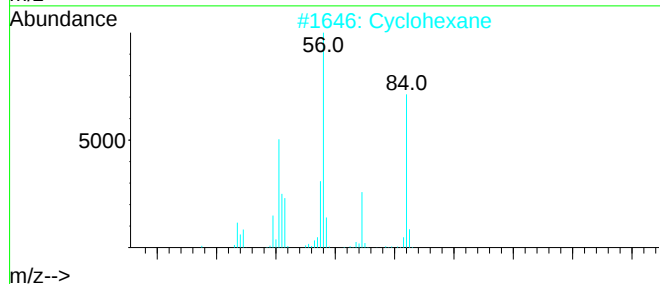
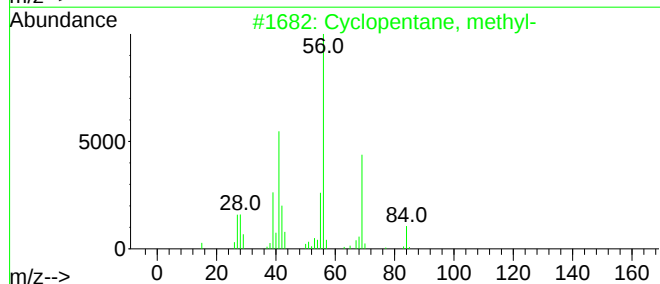
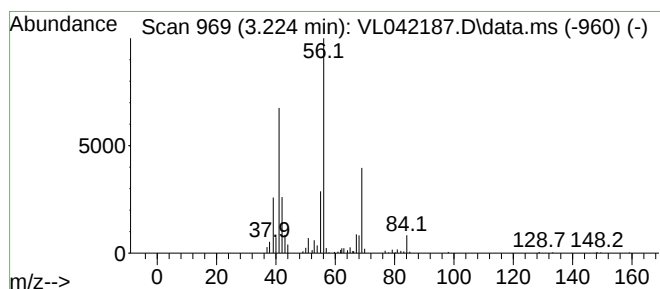
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 5 Cyclopentane, methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.224	1.41 ppbv	101212	Bromochloromethane	2.784

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	78
2	Cyclohexane	84	C6H12	000110-82-7	78
3	Cyclopentane, methyl-	84	C6H12	000096-37-7	78
4	Cyclopropane, propyl-	84	C6H12	002415-72-7	64
5	Cyclohexane	84	C6H12	000110-82-7	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042187.D
Acq On : 27 Mar 2025 19:36
Operator : SY/MD
Sample : Q1669-03
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B9-1-3262025

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	1.618	1.1	ppbv	78959	1	2.784	719172	10.0
Pentane	1.962	2.2	ppbv	159501	1	2.784	719172	10.0
Pentane, 2-methyl-	2.473	3.0	ppbv	219624	1	2.784	719172	10.0
Pentane, 3-methyl-	2.622	1.8	ppbv	128445	1	2.784	719172	10.0
Cyclopentane, m...	3.224	1.4	ppbv	101212	1	2.784	719172	10.0