

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041125\
 Data File : VL042320.D
 Acq On : 11 Apr 2025 15:01
 Operator : SY/MD
 Sample : Q1665-11
 Misc : 400mL/MSVOA_L
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-B10-1-3242025

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\VL032725AIR.M

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

Signal : TIC: VL042320.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.431	409	415	420	rBV	4521054	5174698	100.00%	22.327%
2	1.466	423	426	429	rVV	269253	151719	2.93%	0.655%
3	1.486	429	432	438	rVB2	588237	309195	5.98%	1.334%
4	1.557	450	454	461	rVB2	833918	442946	8.56%	1.911%
5	1.619	470	473	478	rVB	269204	152176	2.94%	0.657%
6	1.722	500	505	516	rBV	3716599	2427848	46.92%	10.475%
7	1.832	535	539	548	rBV	4850992	3655379	70.64%	15.772%
8	1.884	548	555	568	rVB	1736706	1240418	23.97%	5.352%
9	2.059	600	609	618	rVB	969996	755882	14.61%	3.261%
10	2.557	757	763	774	rVV	700392	647954	12.52%	2.796%
11	2.625	776	784	791	rVB	80469	87301	1.69%	0.377%
12	2.787	824	834	840	rBV	666814	689399	13.32%	2.975%
13	2.826	840	846	861	rVB2	938666	1179414	22.79%	5.089%
14	3.230	959	971	979	rBV	63135	87401	1.69%	0.377%
15	3.658	1092	1103	1107	rBV3	36811	54817	1.06%	0.237%
16	3.687	1107	1112	1127	rVB3	98863	160073	3.09%	0.691%
17	3.955	1183	1195	1211	rBV	805569	1221021	23.60%	5.268%
18	6.933	2101	2115	2126	rBV2	30809	65965	1.27%	0.285%
19	8.882	2702	2717	2728	rBV	961877	1334856	25.80%	5.759%
20	9.943	3035	3045	3062	rBV6	68894	148791	2.88%	0.642%
21	10.377	3164	3179	3191	rBV	1277243	1538599	29.73%	6.639%
22	11.426	3498	3503	3511	rVB3	60665	68529	1.32%	0.296%
23	11.536	3529	3537	3550	rBV2	117241	142672	2.76%	0.616%
24	11.756	3598	3605	3617	rVB2	189415	233878	4.52%	1.009%
25	12.044	3685	3694	3704	rBV	1148822	1120777	21.66%	4.836%
26	12.827	3930	3936	3944	rBV2	74331	85044	1.64%	0.367%

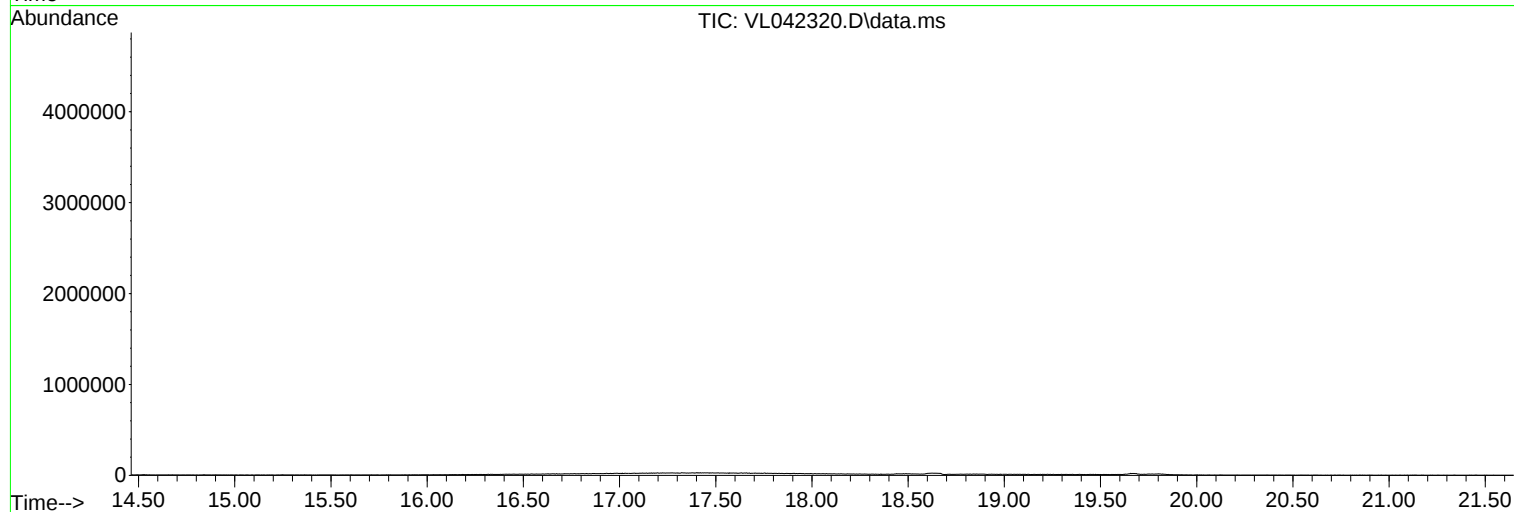
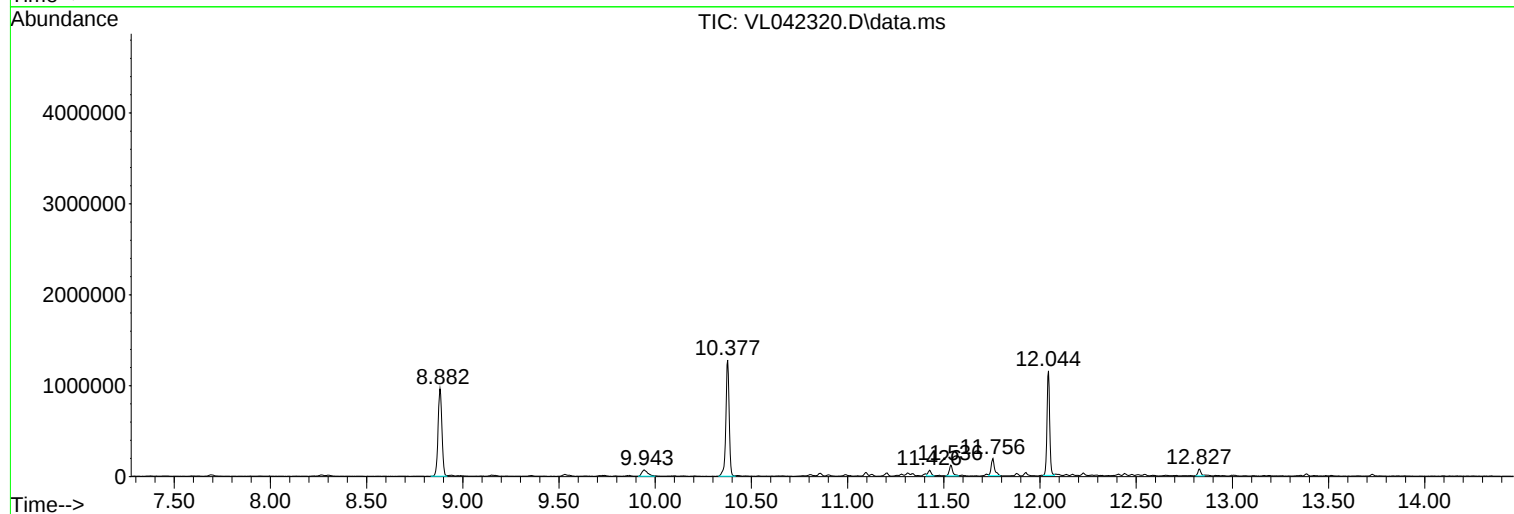
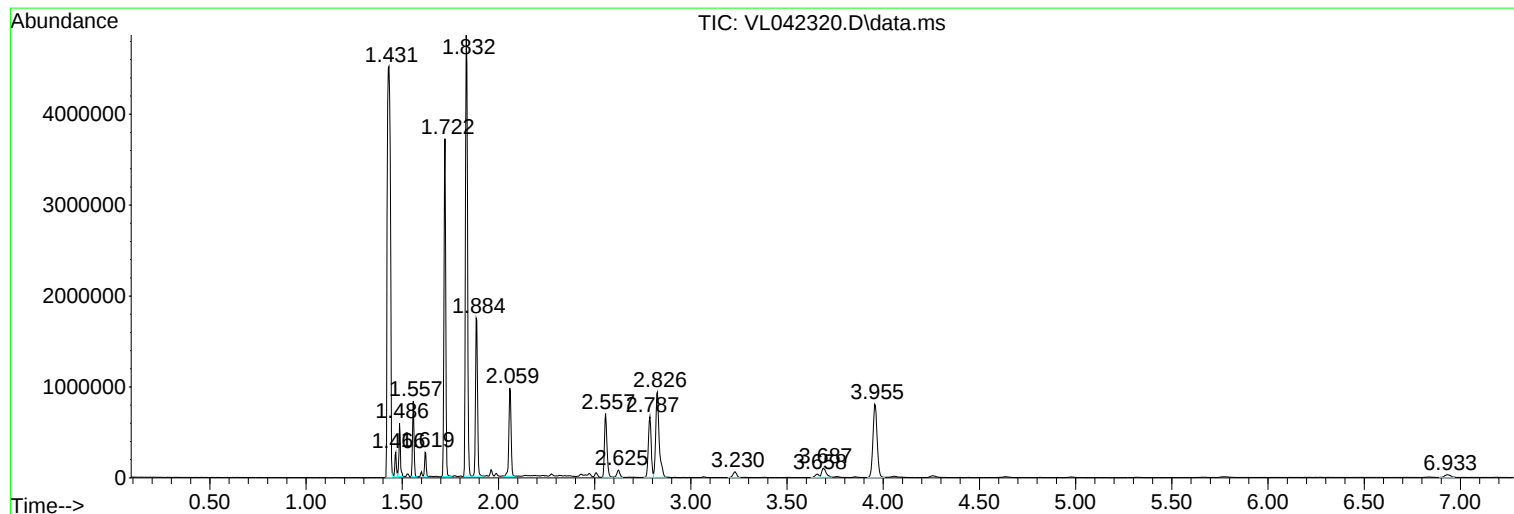
Sum of corrected areas: 23176752

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041125\
Data File : VL042320.D
Acq On : 11 Apr 2025 15:01
Operator : SY/MD
Sample : Q1665-11
Misc : 400mL/MSVOA_L
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B10-1-3242025

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\VL041125\
Data File : VL042320.D
Acq On : 11 Apr 2025 15:01
Operator : SY/MD
Sample : Q1665-11
Misc : 400mL/MSVOA_L
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B10-1-3242025

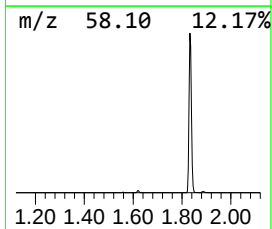
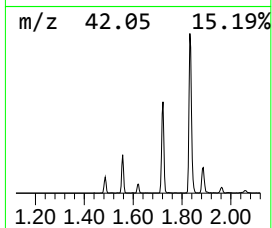
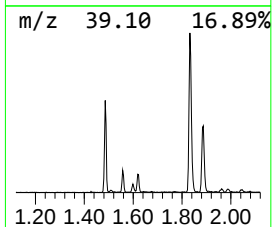
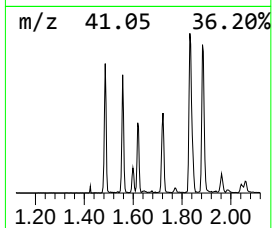
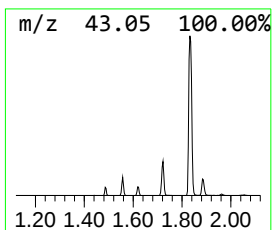
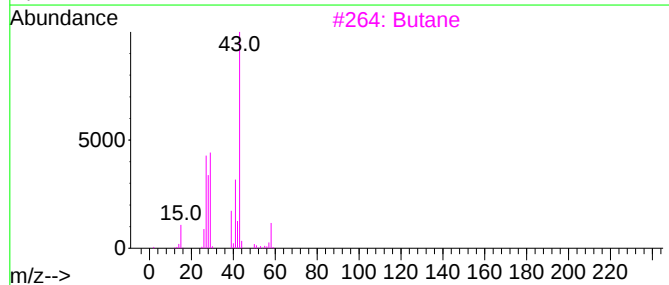
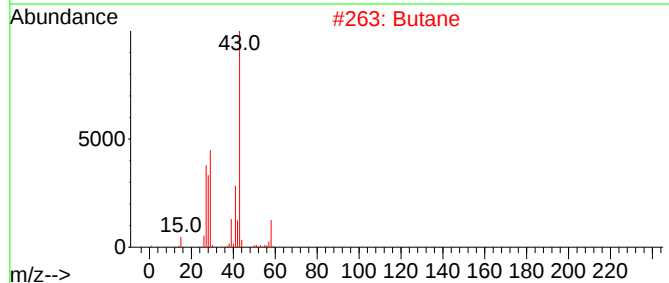
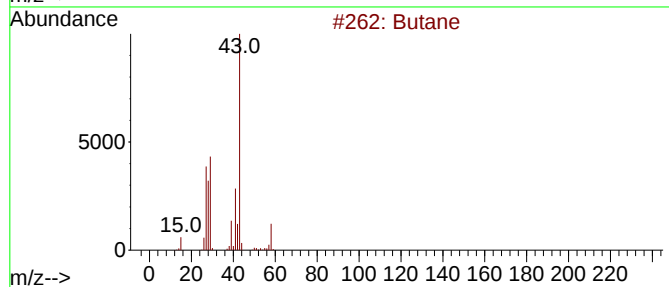
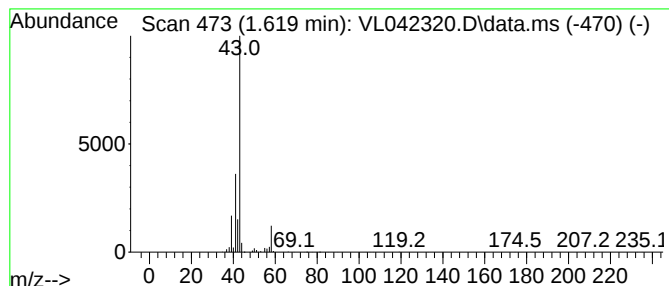
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

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

Peak Number 1 Butane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.619	2.21 ppbv	152176	Bromochloromethane	2.787

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane			58	C4H10	000106-97-8	80
2	Butane			58	C4H10	000106-97-8	80
3	Butane			58	C4H10	000106-97-8	72
4	Butane			58	C4H10	000106-97-8	72
5	Isopropylsulfonyl chloride			142	C3H7ClO2S	010147-37-2	9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041125\
Data File : VL042320.D
Acq On : 11 Apr 2025 15:01
Operator : SY/MD
Sample : Q1665-11
Misc : 400mL/MSVOA_L
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B10-1-3242025

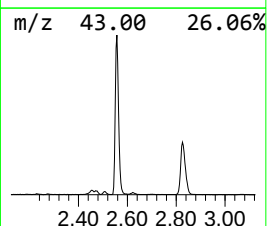
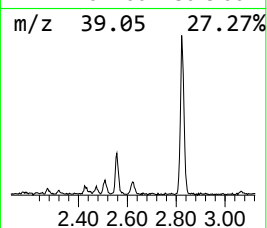
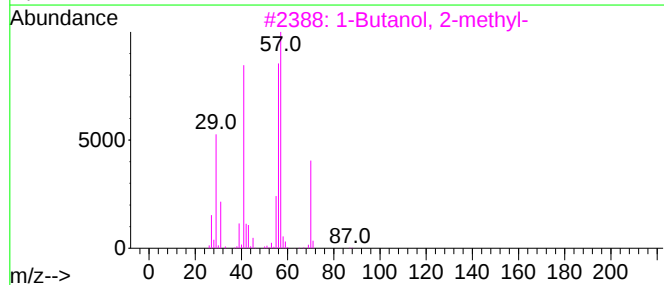
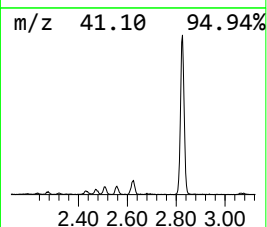
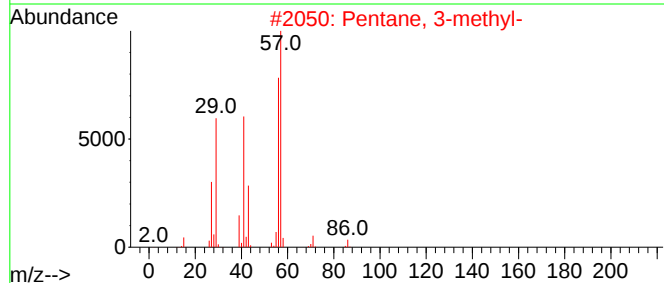
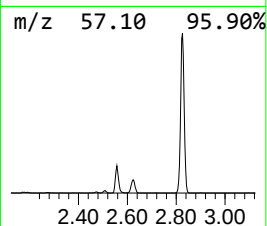
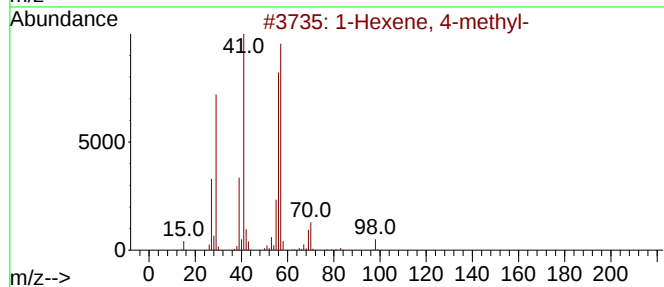
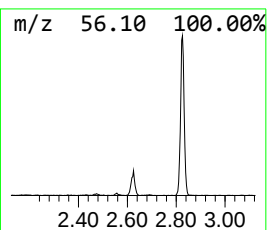
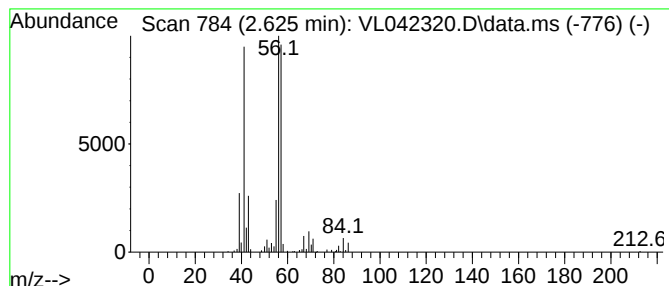
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

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

Peak Number 2 1-Hexene, 4-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.625	1.27 ppbv	87301	Bromochloromethane	2.787

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene, 4-methyl-			98	C7H14	003769-23-1	72
2	Pentane, 3-methyl-			86	C6H14	000096-14-0	59
3	1-Butanol, 2-methyl-			88	C5H12O	000137-32-6	56
4	1-Hexene, 4-methyl-			98	C7H14	003769-23-1	56
5	Cyclopropane, propyl-			84	C6H12	002415-72-7	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041125\
Data File : VL042320.D
Acq On : 11 Apr 2025 15:01
Operator : SY/MD
Sample : Q1665-11
Misc : 400mL/MSVOA_L
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B10-1-3242025

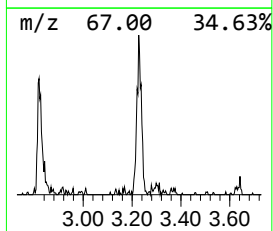
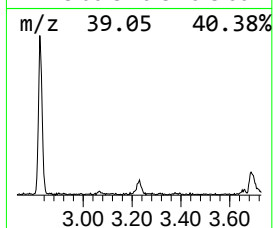
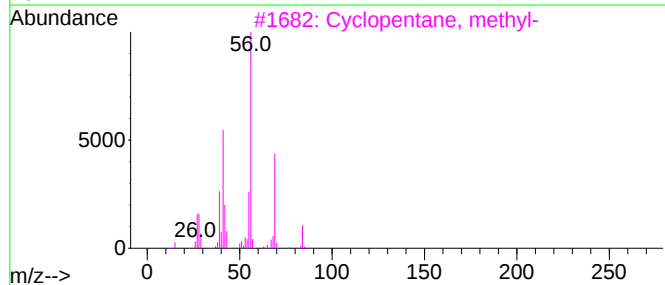
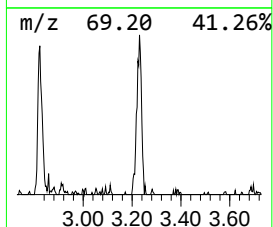
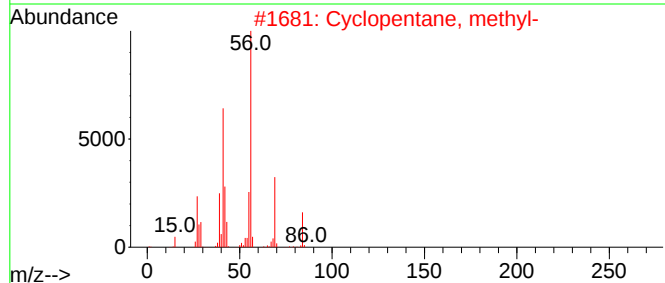
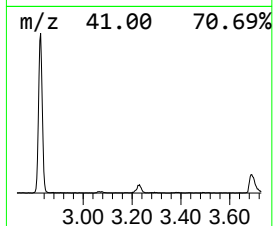
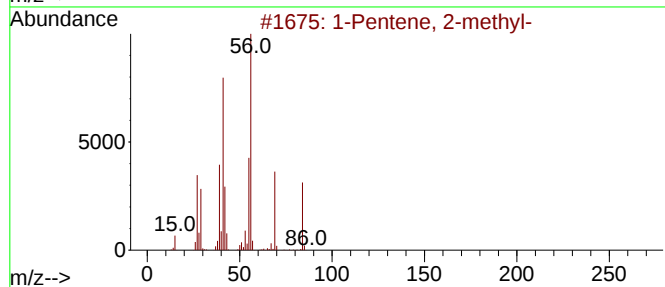
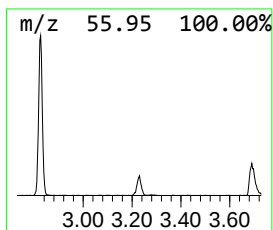
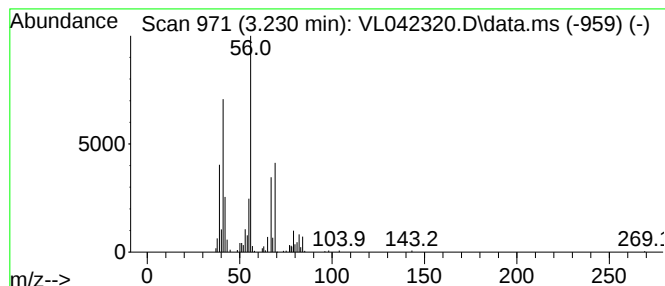
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

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

Peak Number 3 unknown3.230 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.230	1.27 ppbv	87401	Bromochloromethane	2.787

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Pentene, 2-methyl-	84	C6H12	000763-29-1	47
2		Cyclopentane, methyl-	84	C6H12	000096-37-7	43
3		Cyclopentane, methyl-	84	C6H12	000096-37-7	38
4		2-Butene	56	C4H8	000107-01-7	38
5		Cyclobutane	56	C4H8	000287-23-0	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041125\
Data File : VL042320.D
Acq On : 11 Apr 2025 15:01
Operator : SY/MD
Sample : Q1665-11
Misc : 400mL/MSVOA_L
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B10-1-3242025

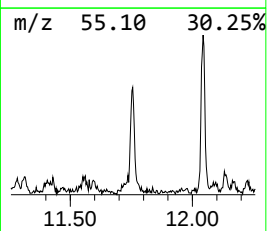
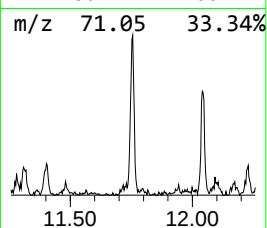
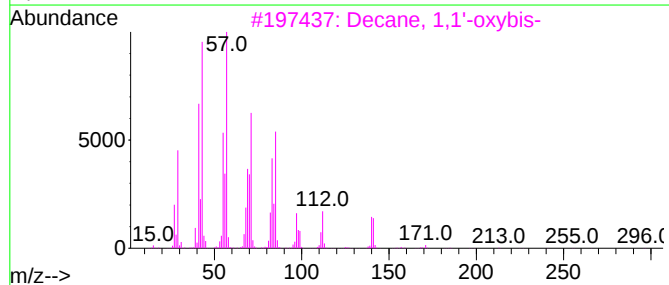
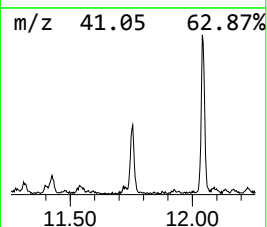
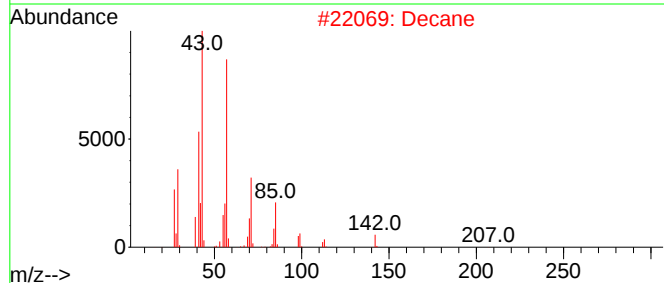
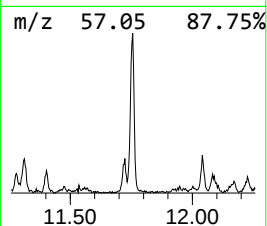
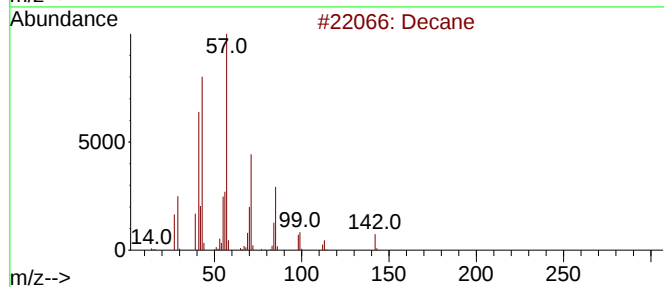
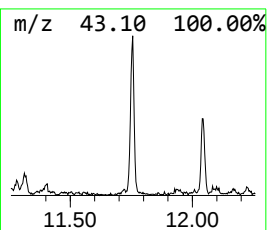
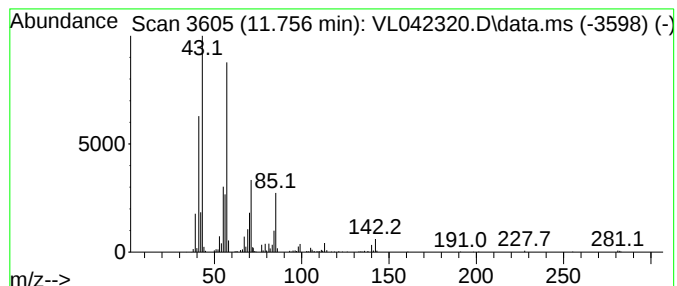
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

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

Peak Number 4 Decane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.756	1.75 ppbv	233878	Chlorobenzene-d5	8.882

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane			142	C10H22	000124-18-5	90
2	Decane			142	C10H22	000124-18-5	90
3	Decane, 1,1'-oxybis-			298	C20H42O	002456-28-2	78
4	Decane			142	C10H22	000124-18-5	74
5	Hexane, 2,4-dimethyl-			114	C8H18	000589-43-5	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041125\
Data File : VL042320.D
Acq On : 11 Apr 2025 15:01
Operator : SY/MD
Sample : Q1665-11
Misc : 400mL/MSVOA_L
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B10-1-3242025

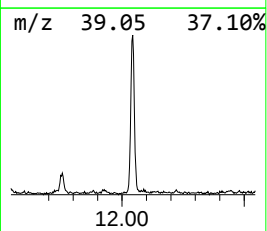
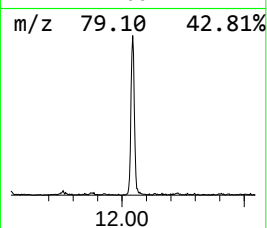
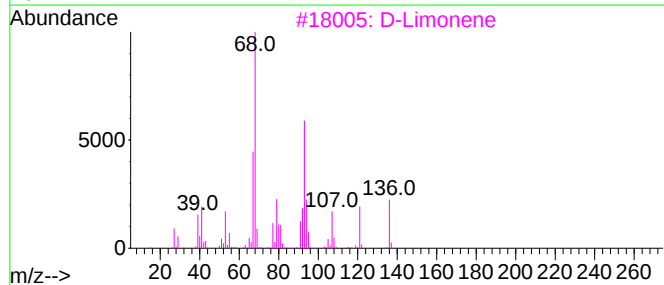
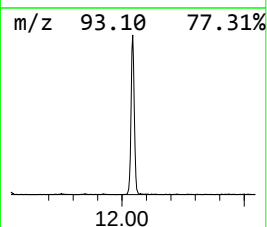
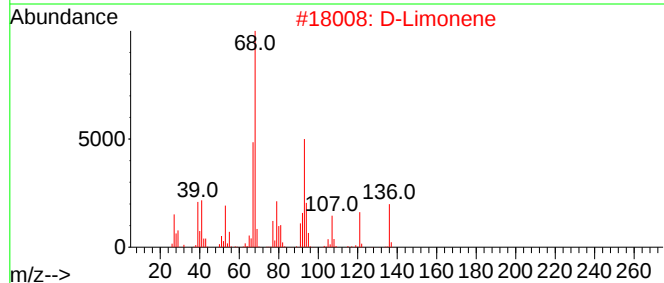
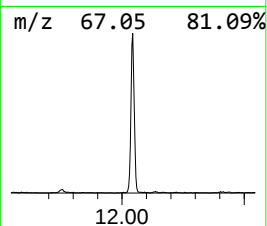
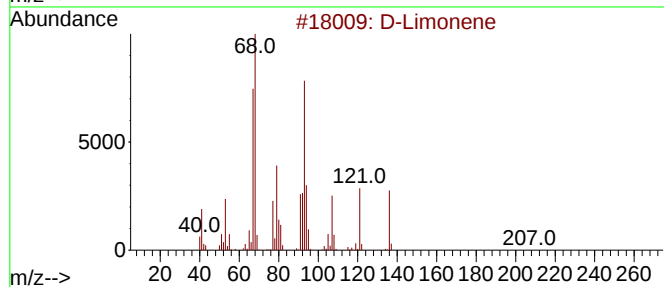
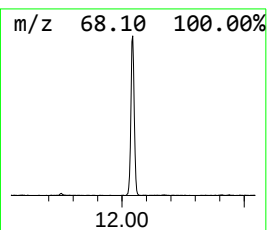
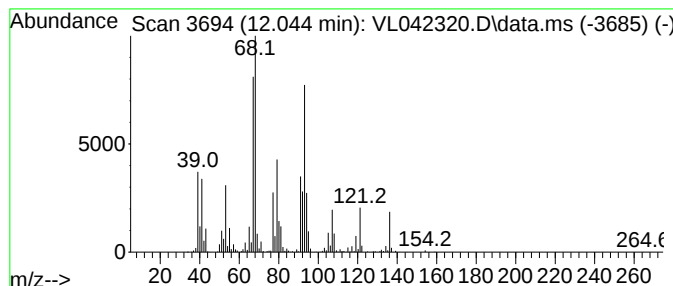
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

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

Peak Number 5 D-Limonene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.044	8.40 ppbv	1120780	Chlorobenzene-d5	8.882

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			D-Limonene	136	C10H16	005989-27-5	98
2			D-Limonene	136	C10H16	005989-27-5	93
3			D-Limonene	136	C10H16	005989-27-5	93
4			Limonene	136	C10H16	000138-86-3	91
5			Limonene	136	C10H16	000138-86-3	81



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041125\
Data File : VL042320.D
Acq On : 11 Apr 2025 15:01
Operator : SY/MD
Sample : Q1665-11
Misc : 400mL/MSVOA_L
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B10-1-3242025

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	2.2	ppbv	152176	1	2.787	689399	10.0
1-Hexene, 4-met...	2.625	1.3	ppbv	87301	1	2.787	689399	10.0
unknown3.230	3.230	1.3	ppbv	87401	1	2.787	689399	10.0
Decane	11.756	1.8	ppbv	233878	3	8.882	1334860	10.0
D-Limonene	12.044	8.4	ppbv	1120780	3	8.882	1334860	10.0