

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091823\
 Data File : VL040715.D
 Acq On : 19 Sep 2023 1:46
 Operator : SY/MD
 Sample : 04495-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AMBIENT

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\VL091423AIR.M

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

Signal : TIC: VL040715.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.684	21	25	29	rVB	209804	183616	1.11%	0.152%
2	2.716	29	35	57	rVB2	1391506	2054650	12.43%	1.700%
3	2.880	78	86	109	rBV2	952296	1280818	7.75%	1.060%
4	3.021	121	130	144	rBV	1851527	2334421	14.12%	1.931%
5	3.246	188	200	226	rBV	797905	1456248	8.81%	1.205%
6	3.472	260	270	295	rBV	5493687	8959239	54.18%	7.411%
7	3.587	295	306	330	rVB	855938	1650536	9.98%	1.365%
8	3.742	344	354	362	rBV2	223509	317706	1.92%	0.263%
9	3.906	392	405	409	rBV6	109502	177351	1.07%	0.147%
10	3.944	409	417	430	rVB2	382632	585106	3.54%	0.484%
11	4.623	616	628	636	rBV2	120961	223108	1.35%	0.185%
12	4.722	650	659	671	rVB4	180765	285836	1.73%	0.236%
13	4.796	671	682	695	rBV2	215047	356677	2.16%	0.295%
14	5.201	795	808	828	rBV3	2962959	6256127	37.84%	5.175%
15	5.279	828	832	854	rVB4	173326	335464	2.03%	0.278%
16	6.314	1140	1154	1161	rBV4	201247	417630	2.53%	0.345%
17	6.661	1247	1262	1284	rBV	4391099	8792733	53.18%	7.274%
18	6.950	1337	1352	1369	rBV2	536690	1130776	6.84%	0.935%
19	9.082	1995	2015	2025	rBV8	74197	203768	1.23%	0.169%
20	9.230	2046	2061	2077	rBV3	295223	634279	3.84%	0.525%
21	9.584	2158	2171	2187	rVB3	191861	405451	2.45%	0.335%
22	9.838	2232	2250	2278	rBV3	2780003	6458806	39.06%	5.343%
23	10.262	2369	2382	2399	rBV2	137609	301295	1.82%	0.249%
24	10.378	2399	2418	2447	rBV	7000187	16534545	100.00%	13.678%
25	10.494	2447	2454	2469	rVB6	73262	179576	1.09%	0.149%
26	11.471	2738	2758	2785	rBV	4351209	9931519	60.07%	8.216%
27	12.095	2934	2952	2972	rBV2	486672	1131748	6.84%	0.936%
28	12.349	3011	3031	3059	rBV2	1696390	5220674	31.57%	4.319%
29	12.625	3099	3117	3133	rVB2	321258	761240	4.60%	0.630%
30	12.802	3156	3172	3189	rBV4	157131	446000	2.70%	0.369%
31	12.905	3191	3204	3210	rVV5	216807	459154	2.78%	0.380%
32	12.947	3210	3217	3238	rVB6	249111	600014	3.63%	0.496%
33	13.063	3238	3253	3268	rBV2	861126	1920693	11.62%	1.589%
34	13.780	3457	3476	3508	rBV2	4255469	10241464	61.94%	8.472%
35	14.532	3695	3710	3722	rBV2	67602	192251	1.16%	0.159%
36	14.616	3722	3736	3743	rVV5	201591	509590	3.08%	0.422%

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37	14.670	3743	3753	3774	rVB8	344739	951383	5.75%	0.787%
38	14.924	3816	3832	3846	rVB	317082	728921	4.41%	0.603%
39	15.130	3875	3896	3908	rBV3	1113353	2737587	16.56%	2.265%
40	15.198	3908	3917	3935	rVB2	481082	1143493	6.92%	0.946%
41	15.355	3950	3966	3985	rBV2	596478	1455367	8.80%	1.204%
42	15.465	3989	4000	4019	rVB6	115869	334578	2.02%	0.277%
43	15.677	4050	4066	4088	rVB2	505818	1243685	7.52%	1.029%
44	15.992	4148	4164	4184	rVB5	413505	1075163	6.50%	0.889%
45	16.114	4184	4202	4223	rBV3	1836657	4490469	27.16%	3.715%
46	16.375	4265	4283	4302	rVB2	382437	1023634	6.19%	0.847%
47	16.477	4302	4315	4329	rBV3	172789	384255	2.32%	0.318%
48	16.838	4410	4427	4436	rBV7	139455	335277	2.03%	0.277%
49	16.937	4447	4458	4470	rVB2	199860	408374	2.47%	0.338%
50	17.291	4551	4568	4569	rBV5	250802	319705	1.93%	0.264%
51	17.301	4569	4571	4590	rVB9	227927	367780	2.22%	0.304%
52	18.866	5041	5058	5075	rBV4	939169	2316848	14.01%	1.917%
53	19.262	5165	5181	5195	rBV5	124283	328101	1.98%	0.271%
54	20.789	5633	5656	5674	rBV2	256040	906919	5.48%	0.750%
55	22.014	6021	6037	6057	rBV4	326486	967330	5.85%	0.800%
56	23.567	6511	6520	6534	rVB9	99202	239211	1.45%	0.198%
57	23.676	6539	6554	6566	rBV7	108164	254167	1.54%	0.210%
58	23.779	6573	6586	6598	rBV7	177465	407174	2.46%	0.337%
59	23.940	6620	6636	6647	rBV4	161539	378675	2.29%	0.313%
60	24.024	6649	6662	6674	rBV3	158891	366990	2.22%	0.304%
61	24.529	6805	6819	6835	rBV2	1171625	2629827	15.91%	2.175%
62	24.911	6935	6938	6952	rVB6	150132	228183	1.38%	0.189%
63	25.445	7091	7104	7115	rBV8	181739	462848	2.80%	0.383%
64	25.596	7140	7151	7161	rBV5	99614	196874	1.19%	0.163%
65	25.670	7164	7174	7182	rBV6	117419	232135	1.40%	0.192%
66	25.792	7202	7212	7216	rBV4	99690	176157	1.07%	0.146%
67	25.921	7239	7252	7263	rBV6	100644	230833	1.40%	0.191%
68	26.210	7326	7342	7357	rBV4	247818	633444	3.83%	0.524%

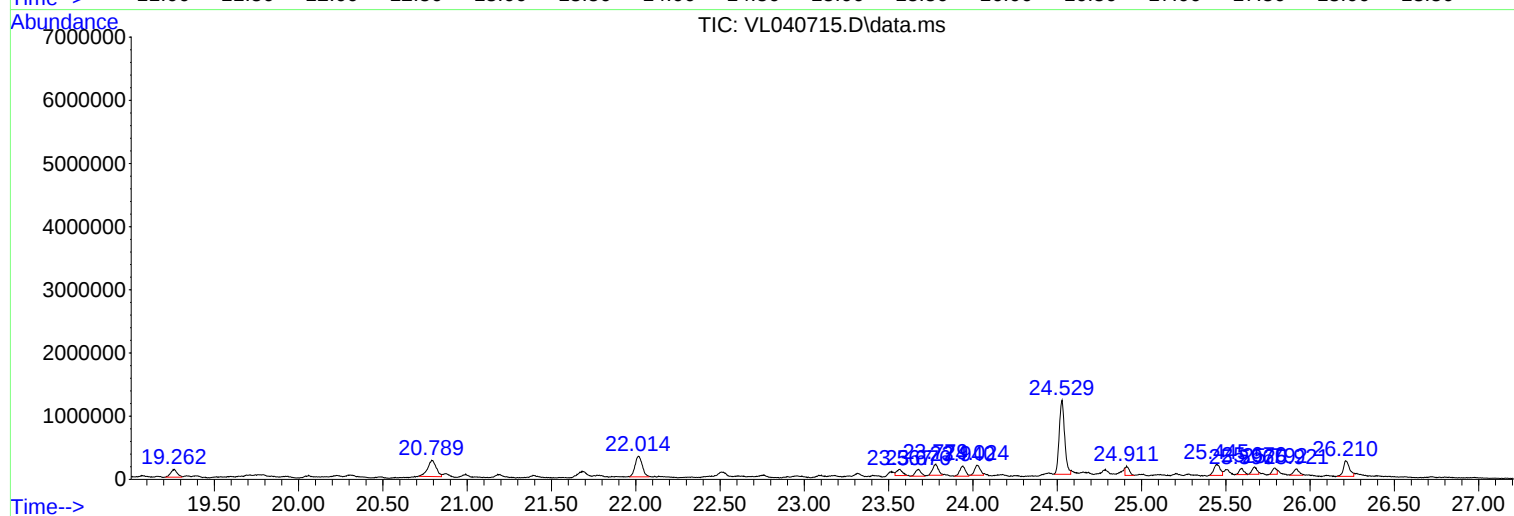
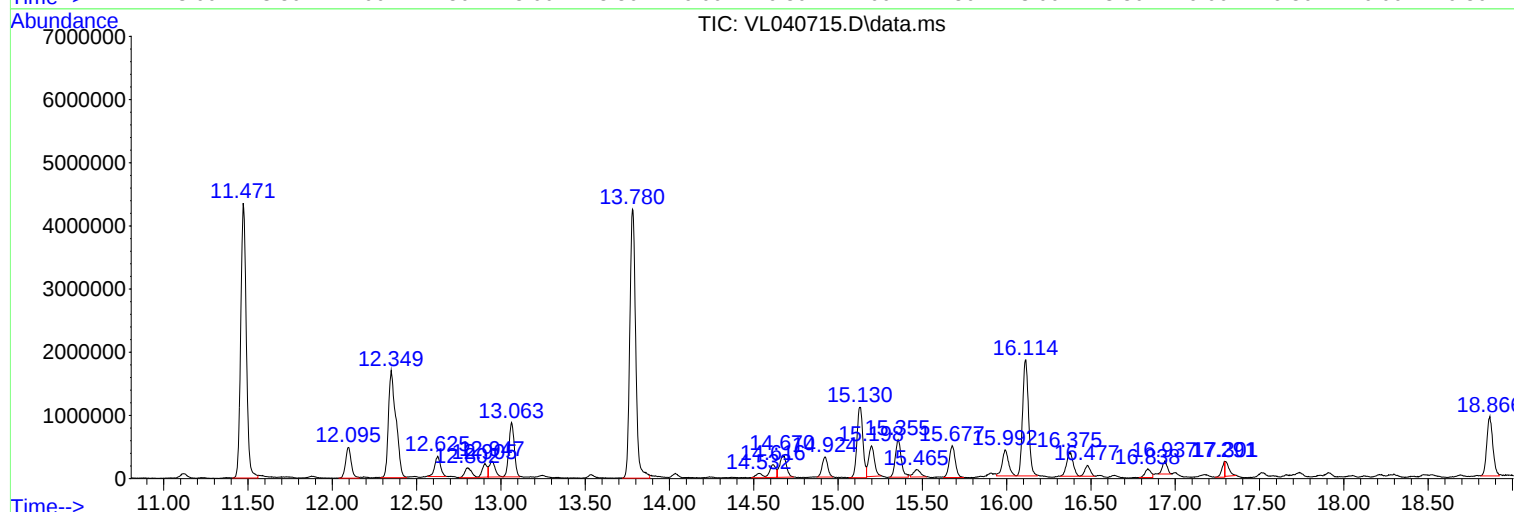
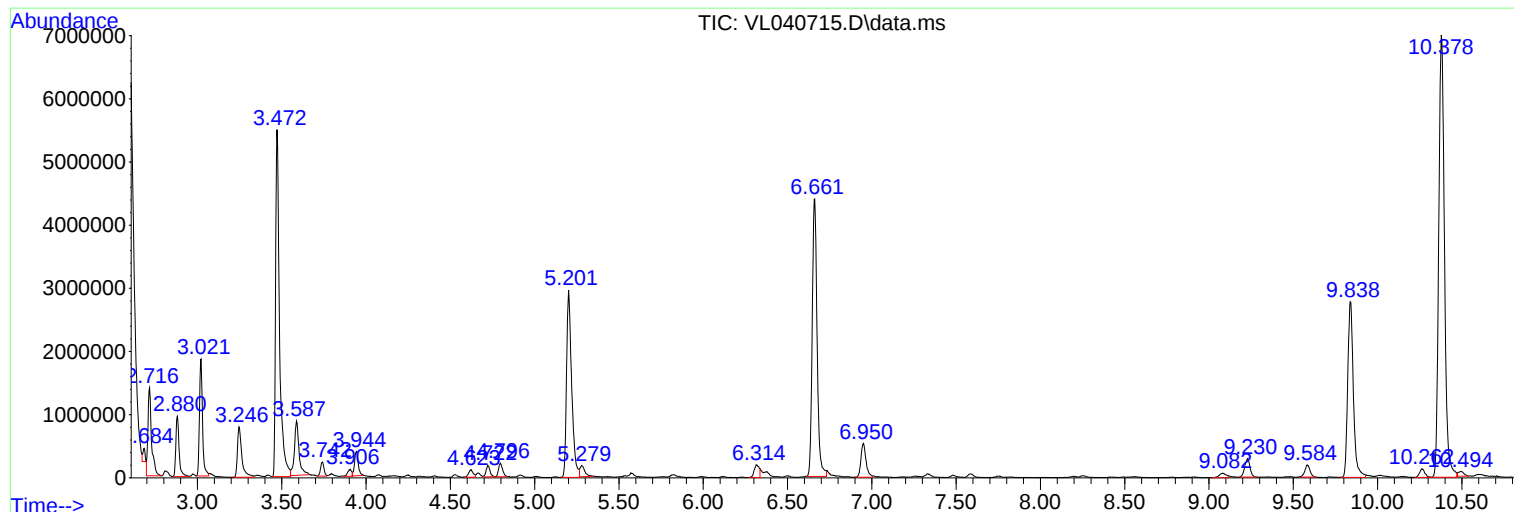
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Instrument :
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ClientSampleId :
AMBIENT

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.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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Data File : VL040715.D
Acq On : 19 Sep 2023 1:46
Operator : SY/MD
Sample : 04495-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

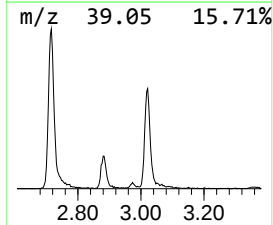
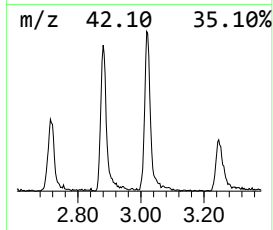
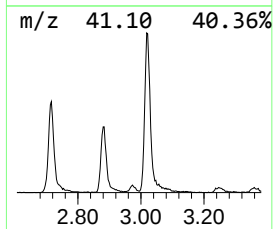
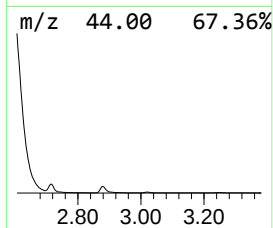
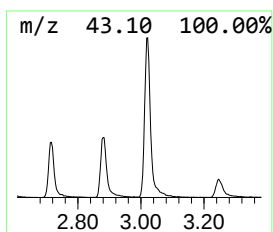
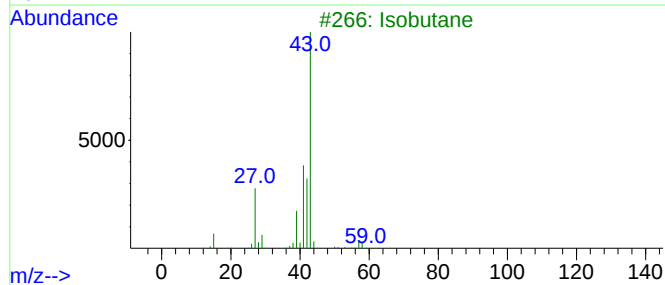
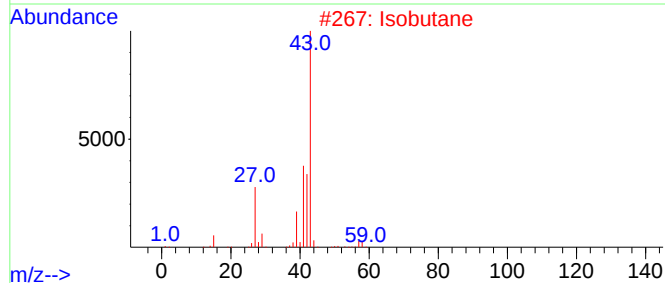
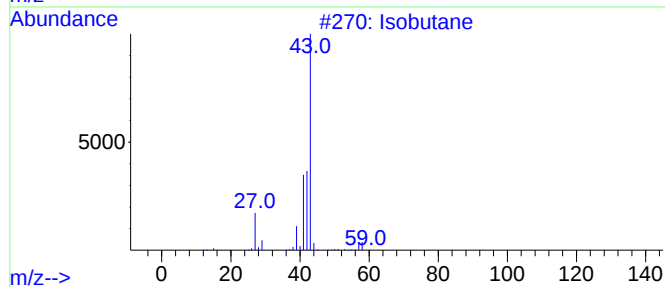
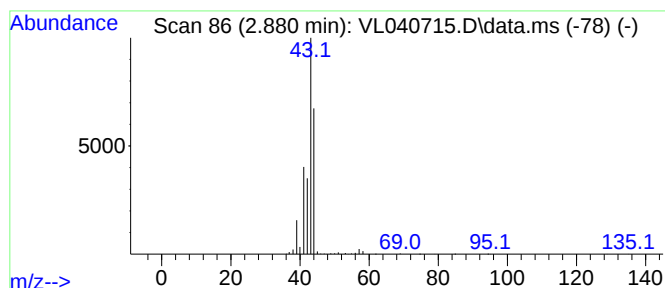
Instrument :
MSVOA_L
ClientSampleId :
AMBIENT

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.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 unknown2.880 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
2.880	2.05 ppbv	1280820	Bromochloromethane	5.198	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutane	58	C4H10	000075-28-5	43
2	Isobutane	58	C4H10	000075-28-5	37
3	Isobutane	58	C4H10	000075-28-5	9
4	Isobutane	58	C4H10	000075-28-5	9
5	Carbon dioxide	44	CO2	000124-38-9	4



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Instrument :
MSVOA_L
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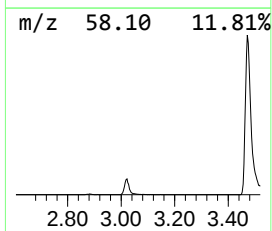
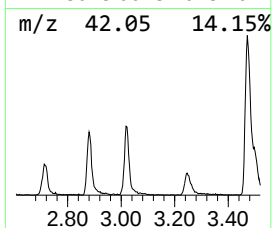
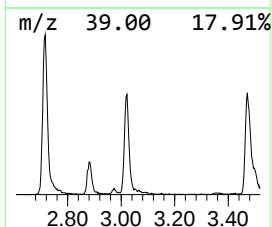
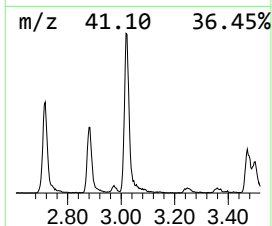
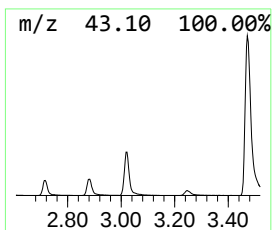
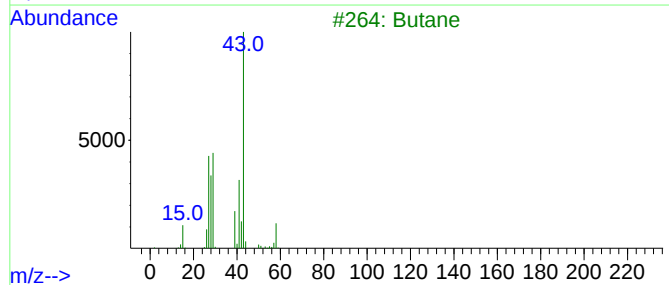
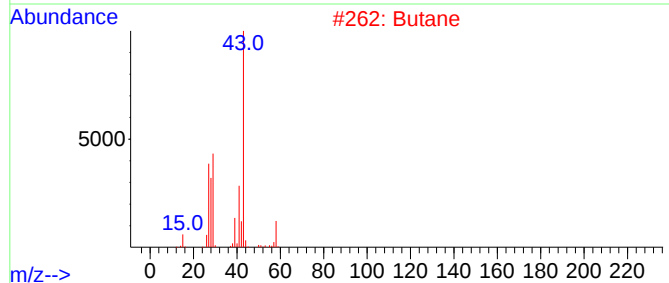
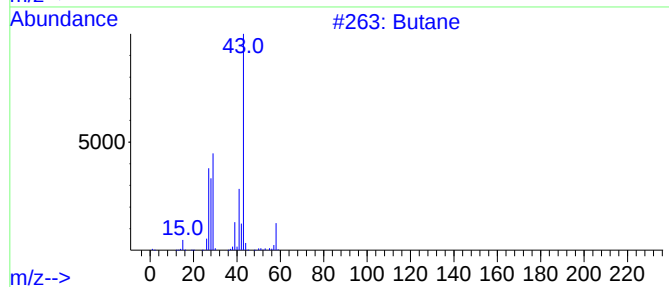
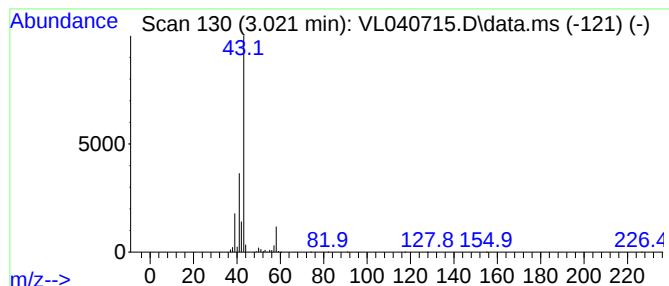
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

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

Peak Number 2 Butane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.021	3.73 ppbv	2334420	Bromochloromethane	5.198

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



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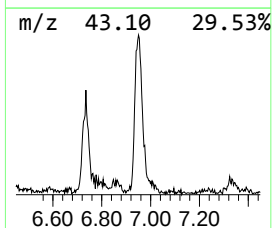
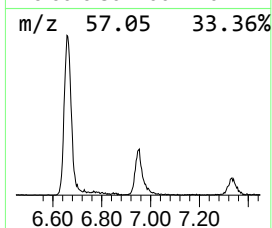
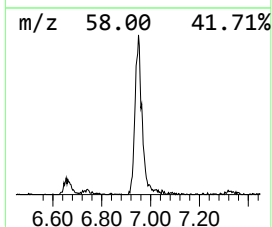
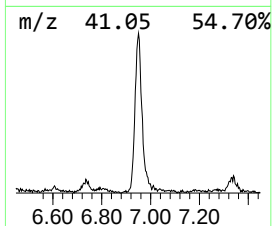
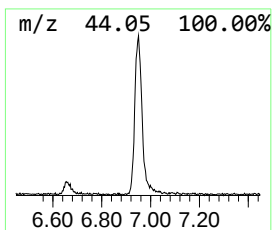
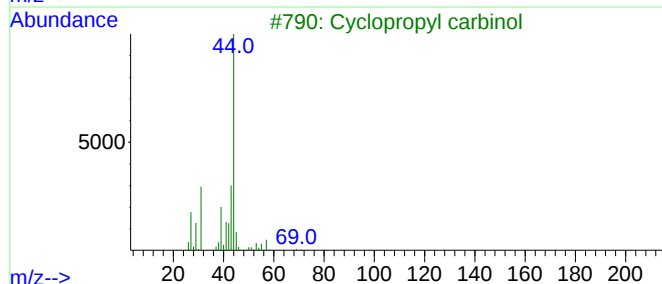
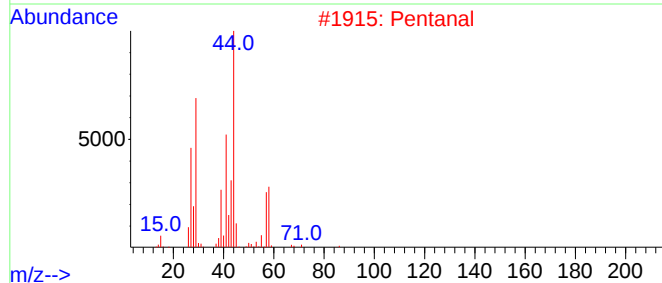
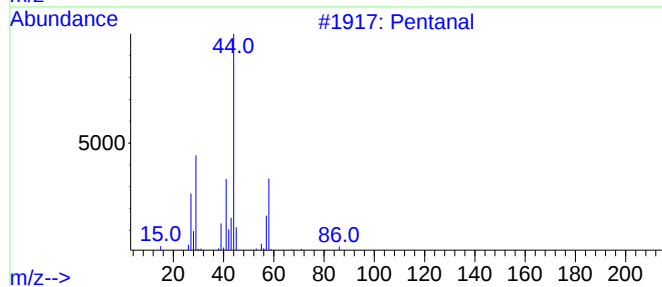
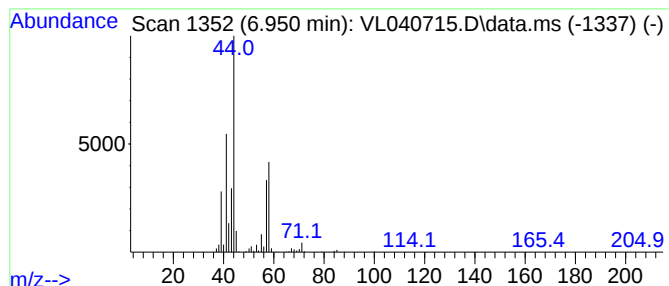
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Pentanal Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.950	1.29 ppbv	1130780	1,4-Difluorobenzene	6.658

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanal			86	C5H10O	000110-62-3	83
2	Pentanal			86	C5H10O	000110-62-3	64
3	Cyclopropyl carbinol			72	C4H8O	002516-33-8	50
4	Pentanal			86	C5H10O	000110-62-3	40
5	Butanal			72	C4H8O	000123-72-8	33



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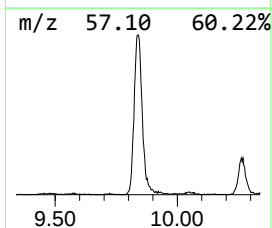
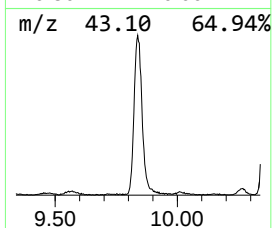
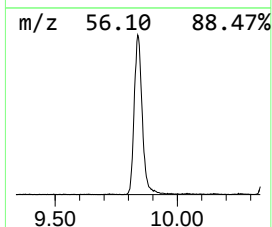
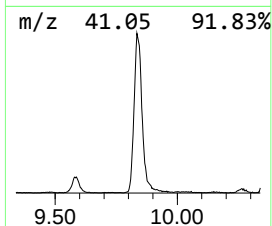
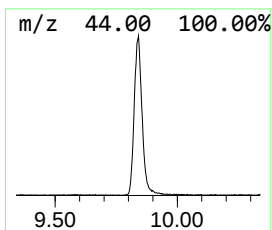
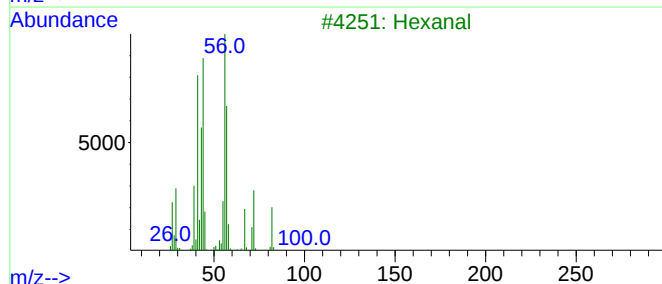
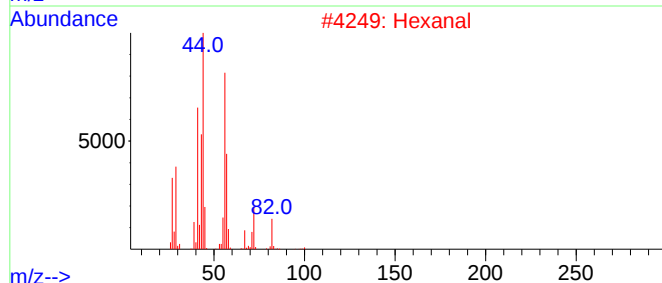
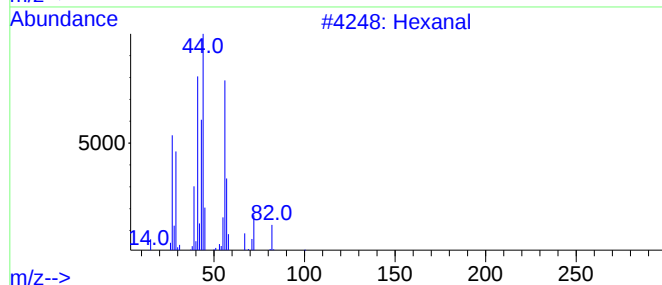
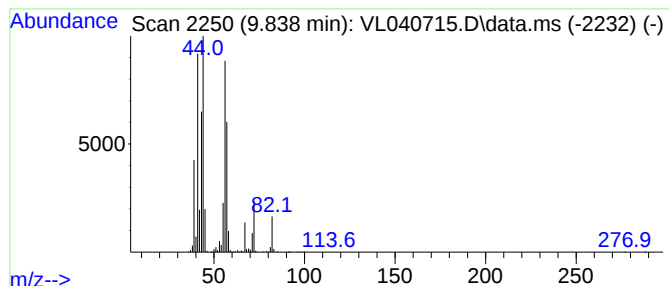
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

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

Peak Number 4 Hexanal Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.838	6.50 ppbv	6458810	Chlorobenzene-d5	11.471

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091823\
Data File : VL040715.D
Acq On : 19 Sep 2023 1:46
Operator : SY/MD
Sample : 04495-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
AMBIENT

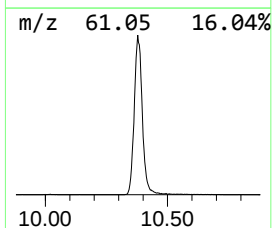
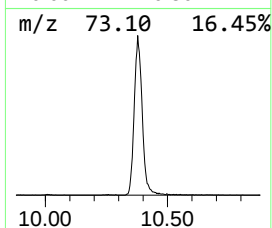
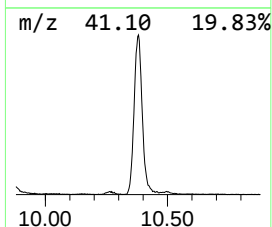
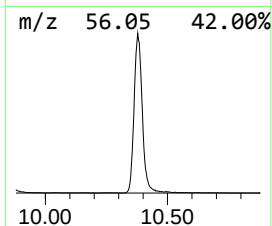
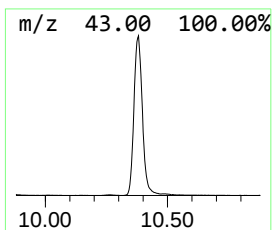
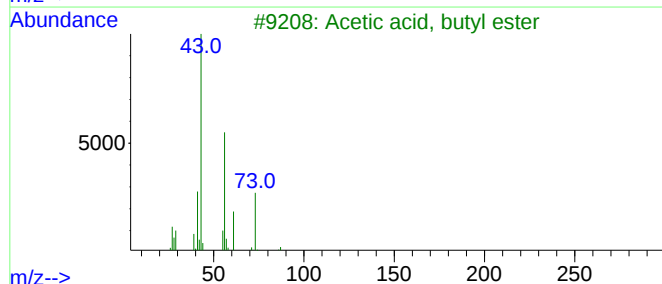
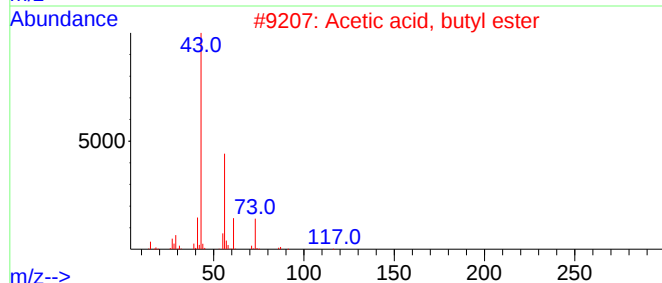
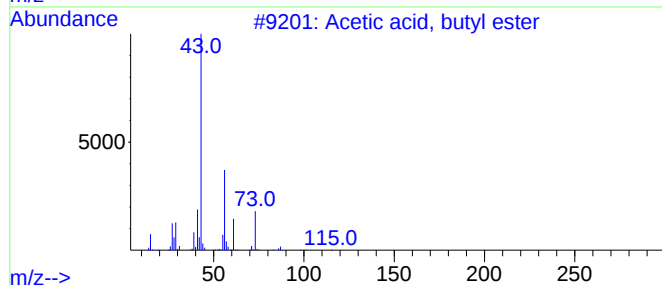
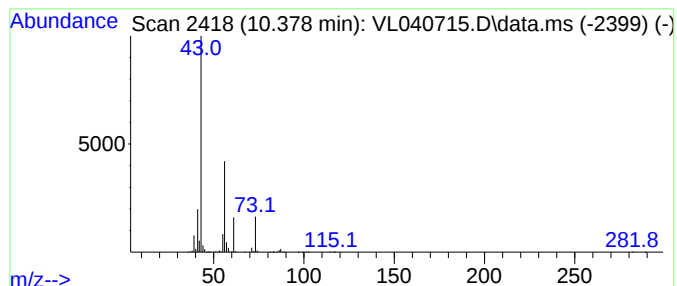
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Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

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

Peak Number 5 Acetic acid, butyl ester Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.378	16.65 ppbv	16534500	Chlorobenzene-d5	11.471

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Acetic acid, butyl ester	116	C6H12O2	000123-86-4	83
2			Acetic acid, butyl ester	116	C6H12O2	000123-86-4	83
3			Acetic acid, butyl ester	116	C6H12O2	000123-86-4	72
4			Acetic acid, butyl ester	116	C6H12O2	000123-86-4	50
5			Acetic acid, hexyl ester	144	C8H16O2	000142-92-7	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091823\
Data File : VL040715.D
Acq On : 19 Sep 2023 1:46
Operator : SY/MD
Sample : 04495-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
AMBIENT

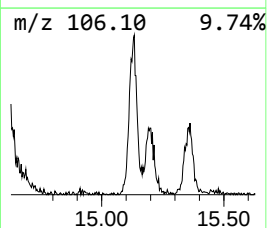
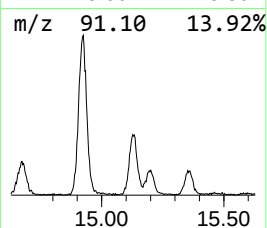
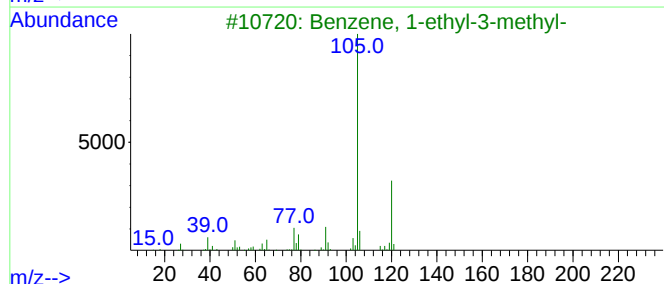
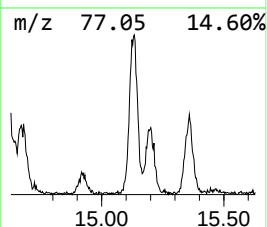
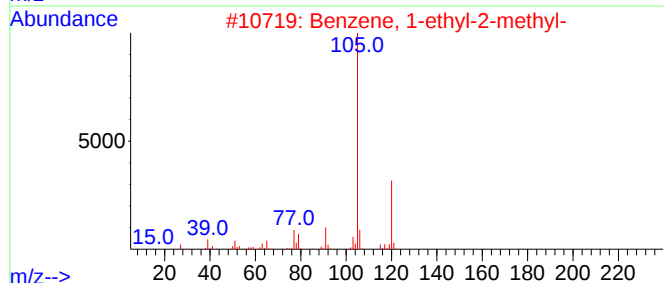
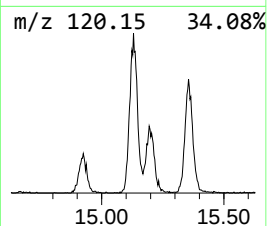
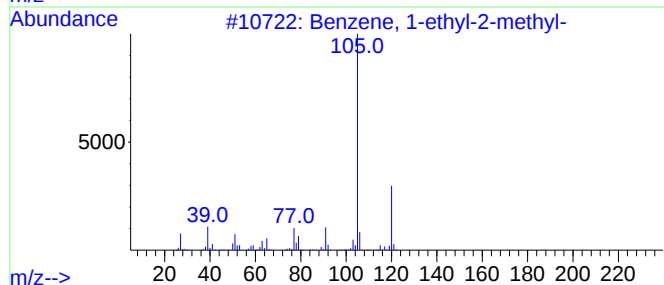
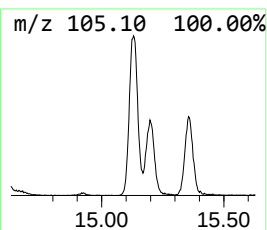
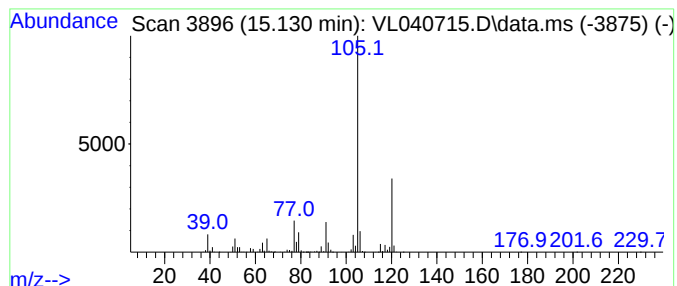
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Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

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

Peak Number 6 Benzene, 1-ethyl-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.130	2.76 ppbv	2737590	Chlorobenzene-d5	11.471

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
4			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
5			Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091823\
Data File : VL040715.D
Acq On : 19 Sep 2023 1:46
Operator : SY/MD
Sample : 04495-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
AMBIENT

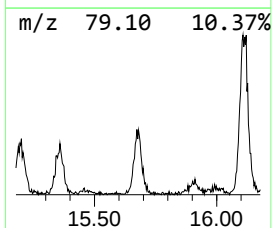
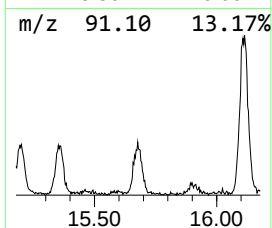
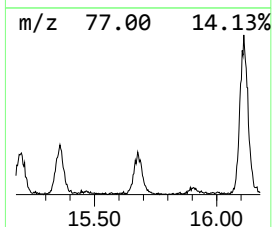
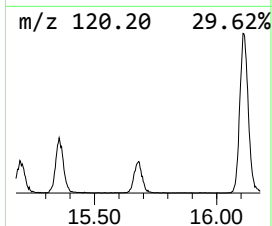
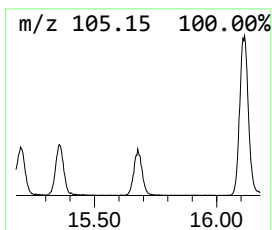
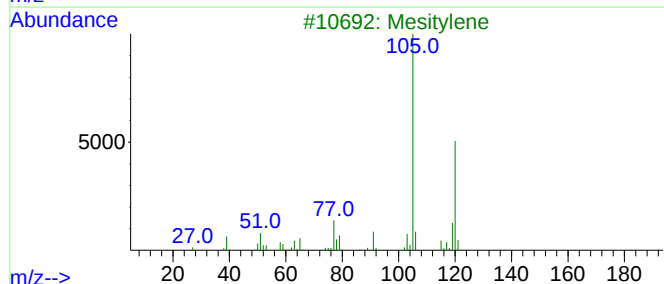
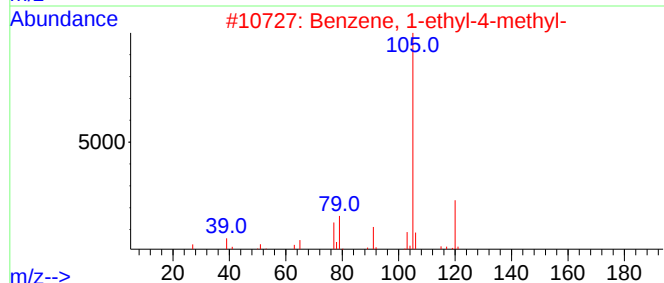
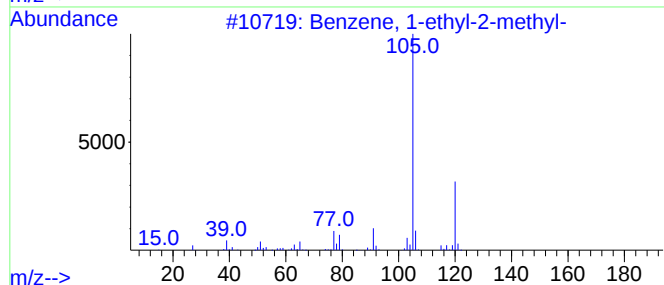
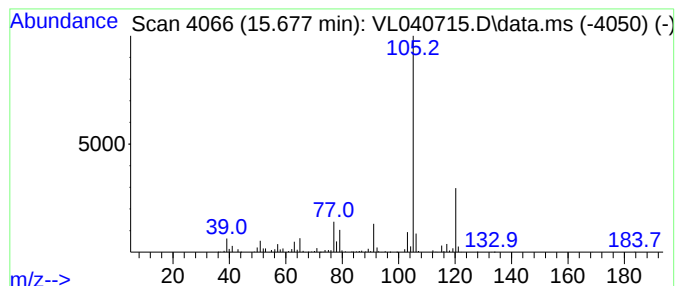
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Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

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

Peak Number 7 Benzene, 1-ethyl-4-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.677	1.25 ppbv	1243690	Chlorobenzene-d5	11.471

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2			Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94
3			Mesitylene	120	C9H12	000108-67-8	91
4			Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5			Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091823\
Data File : VL040715.D
Acq On : 19 Sep 2023 1:46
Operator : SY/MD
Sample : 04495-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
AMBIENT

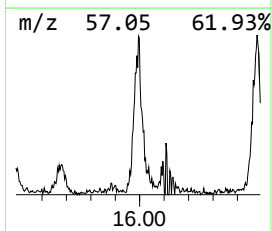
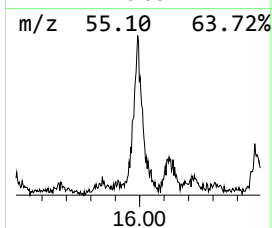
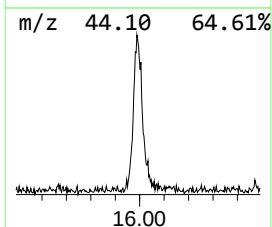
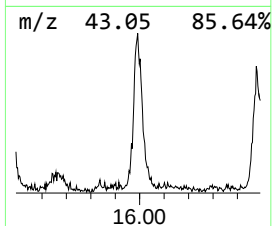
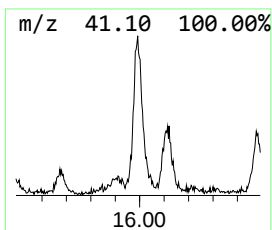
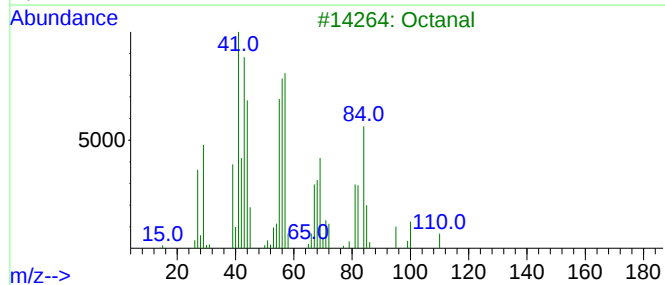
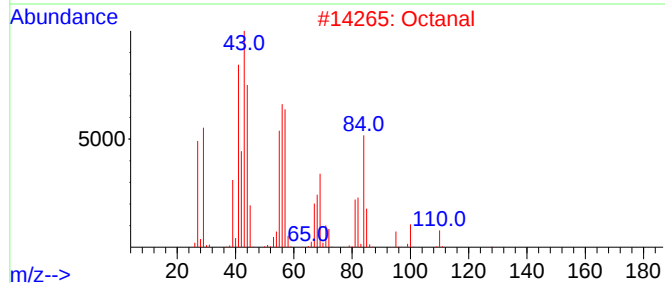
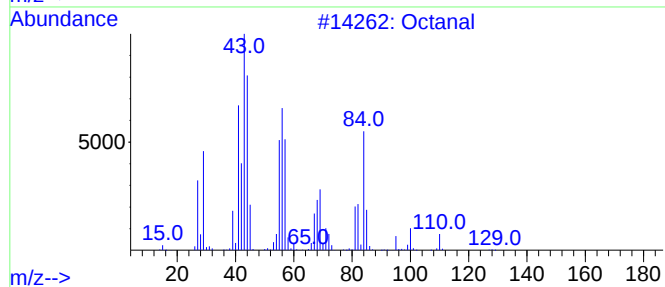
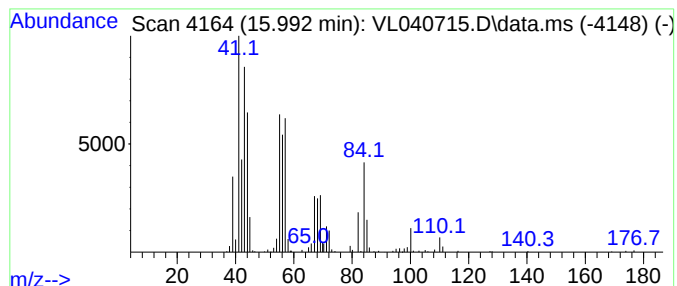
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Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

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

Peak Number 8 Octanal Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.992	1.08 ppbv	1075160	Chlorobenzene-d5	11.471

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octanal		128	C8H16O	000124-13-0	93
2	Octanal		128	C8H16O	000124-13-0	93
3	Octanal		128	C8H16O	000124-13-0	86
4	Octanal		128	C8H16O	000124-13-0	72
5	Octanal		128	C8H16O	000124-13-0	68



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091823\
Data File : VL040715.D
Acq On : 19 Sep 2023 1:46
Operator : SY/MD
Sample : 04495-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
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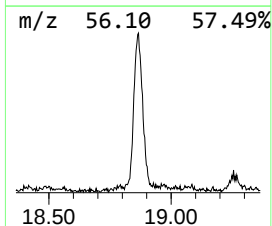
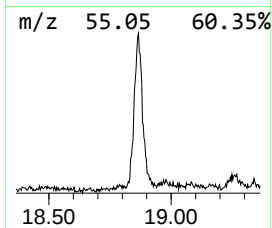
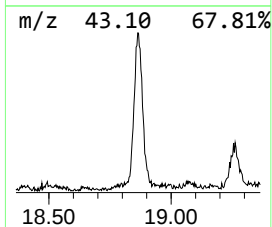
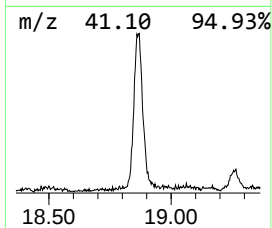
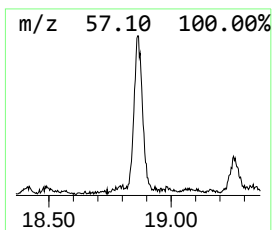
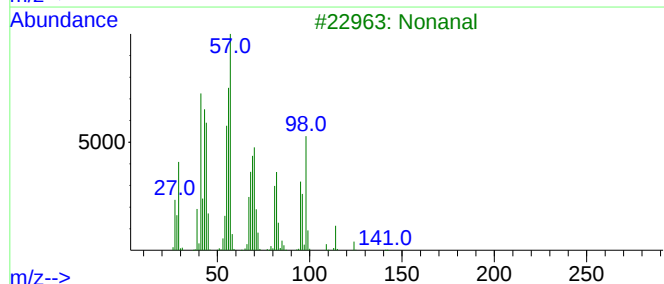
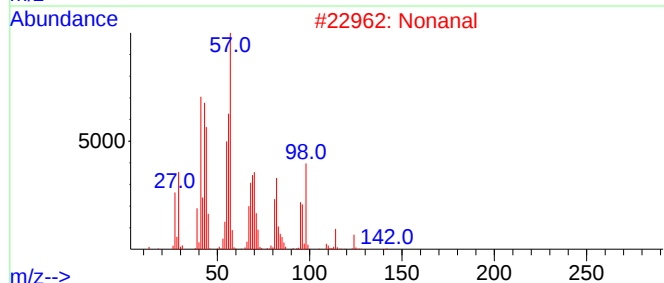
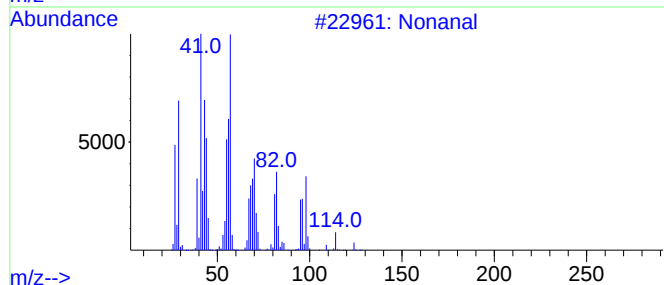
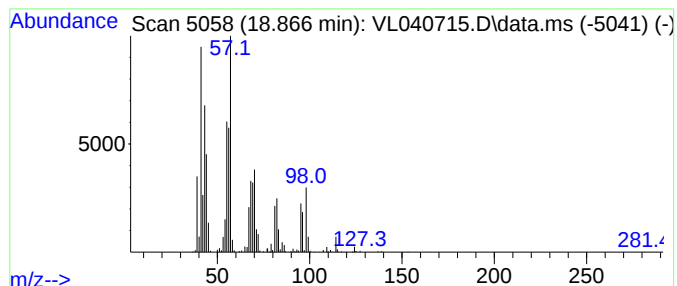
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Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

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

Peak Number 9 Nonanal Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.866	2.33 ppbv	2316850	Chlorobenzene-d5	11.471

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonanal	142	C9H18O	000124-19-6	91
2			Nonanal	142	C9H18O	000124-19-6	91
3			Nonanal	142	C9H18O	000124-19-6	90
4			Nonanal	142	C9H18O	000124-19-6	86
5			Cyanoacetic acid, heptyl ester	183	C10H17NO2	1000406-22-4	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091823\
Data File : VL040715.D
Acq On : 19 Sep 2023 1:46
Operator : SY/MD
Sample : 04495-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
AMBIENT

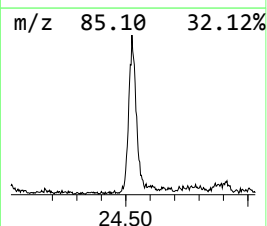
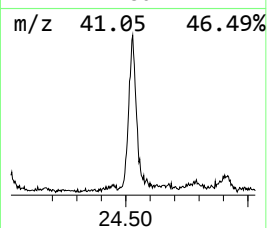
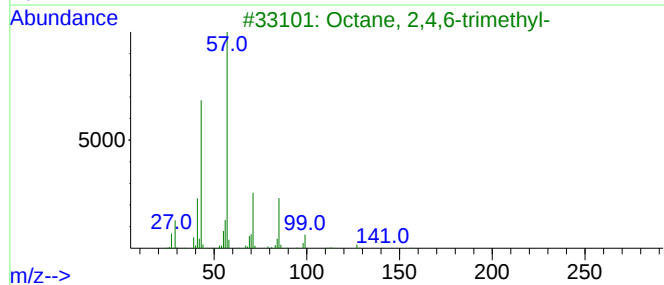
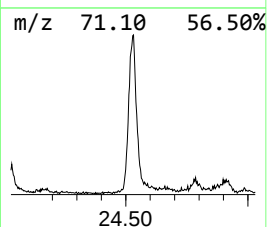
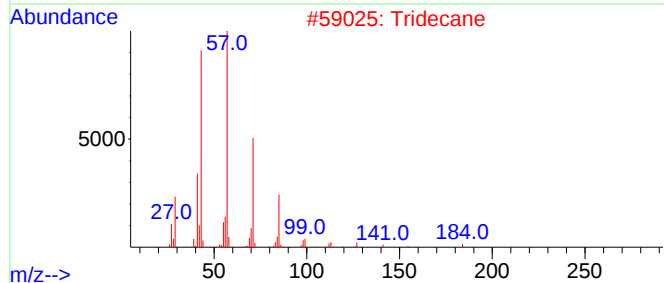
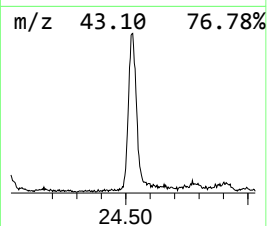
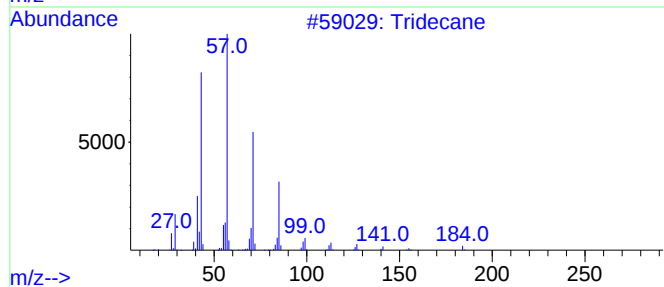
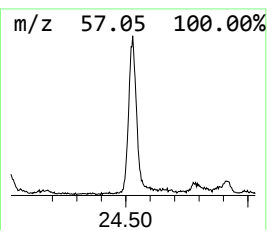
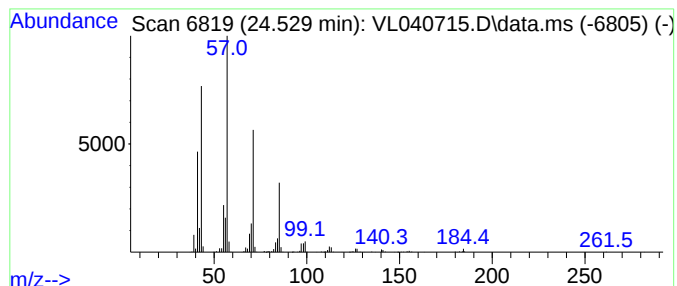
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Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

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

Peak Number 10 Tridecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.529	2.65 ppbv	2629830	Chlorobenzene-d5	11.471

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tridecane	184	C13H28	000629-50-5	94
2		Tridecane	184	C13H28	000629-50-5	90
3		Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	86
4		Hexadecane	226	C16H34	000544-76-3	86
5		Hexadecane	226	C16H34	000544-76-3	86



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091823\
Data File : VL040715.D
Acq On : 19 Sep 2023 1:46
Operator : SY/MD
Sample : 04495-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
AMBIENT

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

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					#	RT	Resp	Conc
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Butane	3.021	3.7	ppbv	2334420	1	5.198	6256130	10.0
Pentanal	6.950	1.3	ppbv	1130780	2	6.658	8792730	10.0
Hexanal	9.838	6.5	ppbv	6458810	3	11.471	9931520	10.0
Acetic acid, bu...	10.378	16.6	ppbv	16534500	3	11.471	9931520	10.0
Benzene, 1-ethy...	15.130	2.8	ppbv	2737590	3	11.471	9931520	10.0
Benzene, 1-ethy...	15.677	1.3	ppbv	1243690	3	11.471	9931520	10.0
Octanal	15.992	1.1	ppbv	1075160	3	11.471	9931520	10.0
Nonanal	18.866	2.3	ppbv	2316850	3	11.471	9931520	10.0
Tridecane	24.529	2.6	ppbv	2629830	3	11.471	9931520	10.0