

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040821\
 Data File : VL036762.D
 Acq On : 8 Apr 2021 23:10
 Operator : SY/AP
 Sample : M1981-04
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-1

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\VL032521AIR.M

Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.883	11	30	36	rBV2	6663886	13139762	7.28%	1.446%
2	2.941	36	48	55	rVV3	18561730	38786030	21.50%	4.268%
3	2.989	55	63	76	rVV7	11410437	36425458	20.19%	4.009%
4	3.050	76	82	86	rVV2	11047557	17760295	9.84%	1.955%
5	3.083	86	92	94	rVV	12575050	17737702	9.83%	1.952%
6	3.105	94	99	106	rVV3	14566268	29991784	16.62%	3.301%
7	3.137	106	109	118	rVV	11216986	20469816	11.34%	2.253%
8	3.192	118	126	142	rVV2	11268929	30991046	17.18%	3.411%
9	3.266	142	149	151	rVV4	4667376	7071601	3.92%	0.778%
10	3.298	151	159	187	rVV4	10179293	32561661	18.05%	3.583%
11	3.427	187	199	206	rVV5	3168007	7277598	4.03%	0.801%
12	3.491	206	219	230	rVV3	2891910	8474298	4.70%	0.933%
13	3.546	230	236	249	rVV2	1218698	2927979	1.62%	0.322%
14	3.626	249	261	269	rVV4	1094638	2957819	1.64%	0.326%
15	3.710	269	287	311	rVV	4356555	11822660	6.55%	1.301%
16	3.848	311	330	366	rVV	12947262	34523282	19.13%	3.799%
17	4.044	381	391	407	rVV	2587247	5091554	2.82%	0.560%
18	4.256	440	457	477	rBV	39225153	107835852	59.76%	11.867%
19	4.343	477	484	522	rVB	11912922	27201582	15.08%	2.994%
20	5.243	753	764	784	rVB	1531892	3148949	1.75%	0.347%
21	5.684	883	901	920	rBV3	9273836	22642760	12.55%	2.492%
22	6.886	1263	1275	1295	rVB	1067987	2226183	1.23%	0.245%
23	7.172	1336	1364	1379	rBV2	3927979	9077372	5.03%	0.999%
24	9.796	2164	2180	2199	rBV3	1103363	2642298	1.46%	0.291%
25	11.687	2727	2768	2798	rBV2	14777181	46463982	25.75%	5.113%
26	12.079	2876	2890	2916	rVV2	3734223	9290158	5.15%	1.022%
27	14.410	3598	3615	3632	rBV2	3213805	8189959	4.54%	0.901%
28	16.114	4120	4145	4171	rVB3	1538442	5370270	2.98%	0.591%
29	16.992	4390	4418	4447	rBV2	54521962	180440336	100.00%	19.857%
30	17.240	4481	4495	4532	rVB2	1193832	4201028	2.33%	0.462%
31	17.490	4556	4573	4589	rBV3	1332035	3469876	1.92%	0.382%
32	17.937	4694	4712	4730	rBV5	1949940	5350228	2.97%	0.589%
33	18.172	4769	4785	4798	rBV4	803053	2138085	1.18%	0.235%
34	18.359	4827	4843	4876	rVB3	3095015	8897170	4.93%	0.979%

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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

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Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021

35	18.905	4997	5013	5028	rVV2	2195168	6625472	3.67%	0.729%
36	19.056	5045	5060	5075	rBV2	1743700	4341404	2.41%	0.478%
37	19.455	5156	5184	5193	rBV4	1407422	4451060	2.47%	0.490%
38	19.506	5193	5200	5219	rVB6	960012	2566677	1.42%	0.282%
39	21.493	5785	5818	5875	rBV2	30083053	121135514	67.13%	13.331%
40	26.127	7245	7259	7279	rBV2	1156944	2965086	1.64%	0.326%

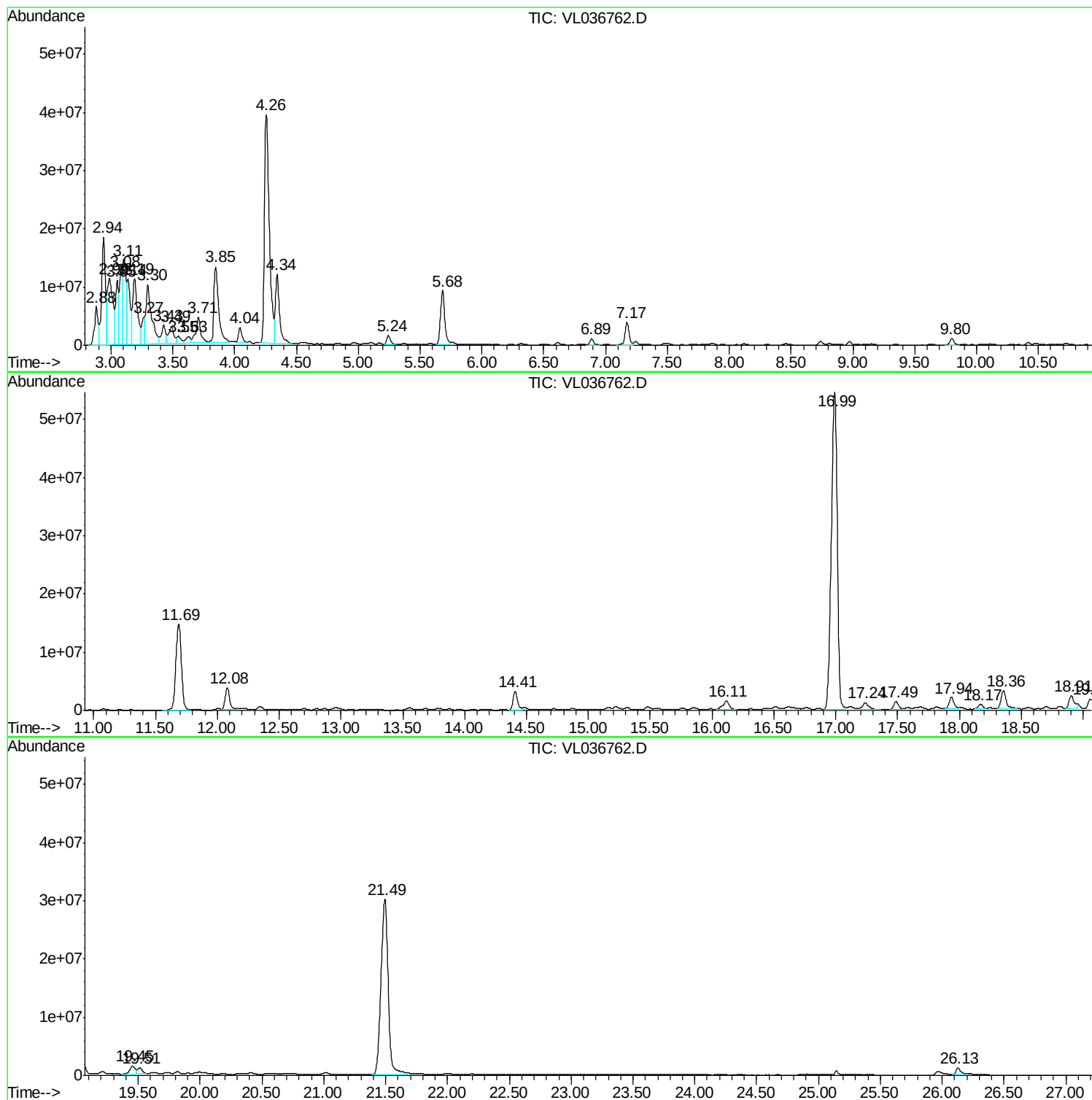
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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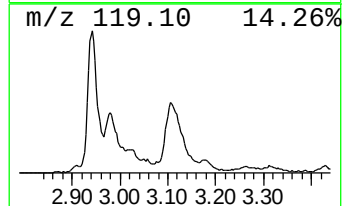
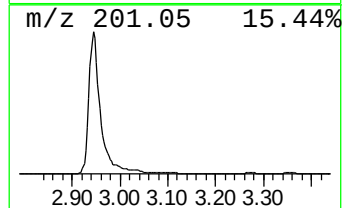
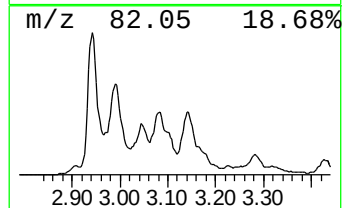
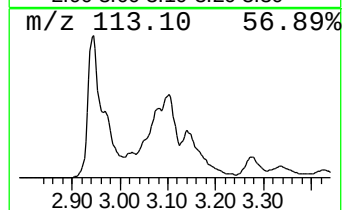
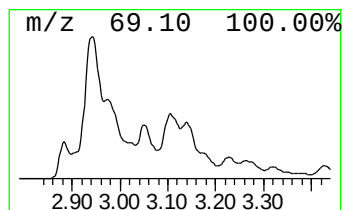
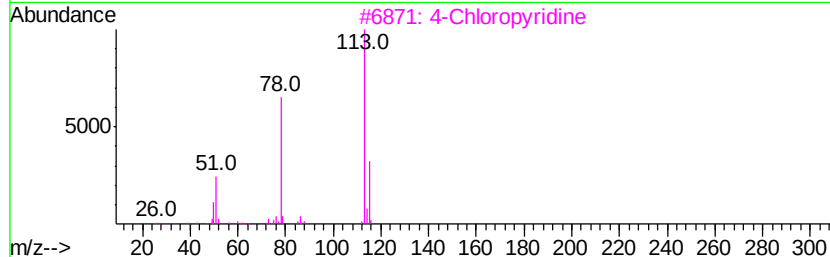
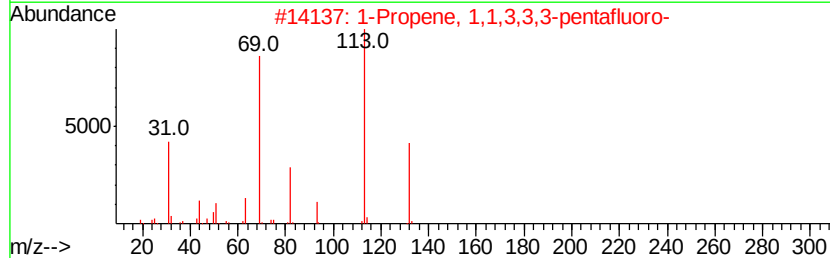
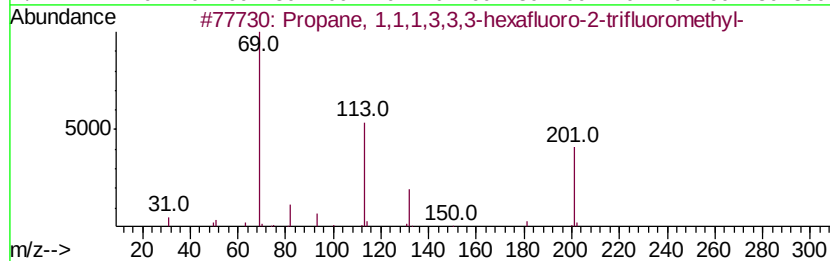
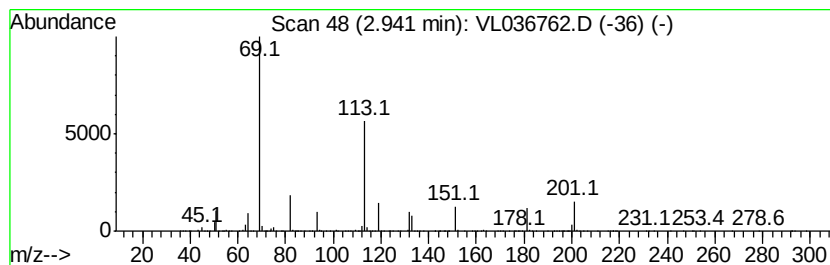
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 unknown2.94 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.94	17.13 ppbv	38786000	Bromochloromethane	5.67

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Propane, 1,1,1,3,3,3-hexafluoro-...	220	C4HF9	000382-24-1	40
2		1-Propene, 1,1,3,3,3-pentafluoro-	132	C3HF5	000690-27-7	9
3		4-Chloropyridine	113	C5H4ClN	000626-61-9	5
4		4-Fluoro-6-aminopyrimidine	113	C4H4FN3	051421-96-6	5
5		Thiazole, 2,4-dimethyl-	113	C5H7NS	000541-58-2	5



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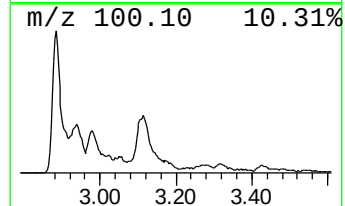
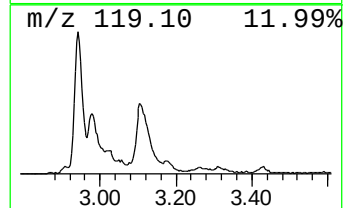
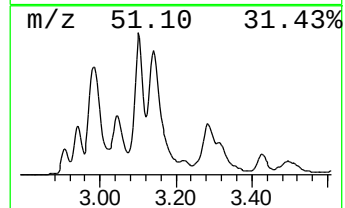
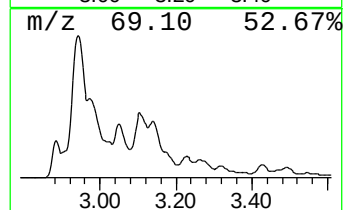
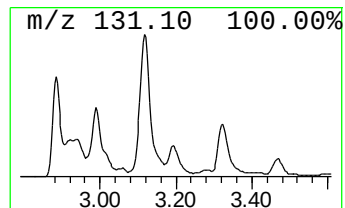
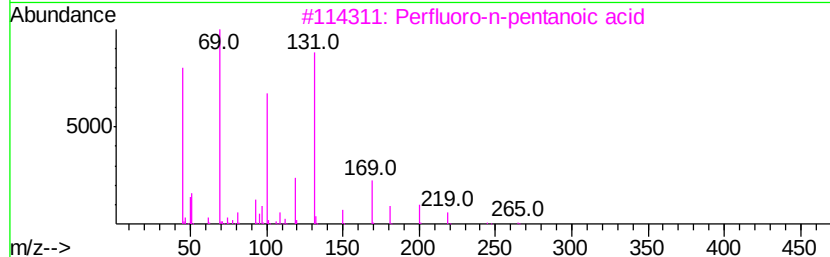
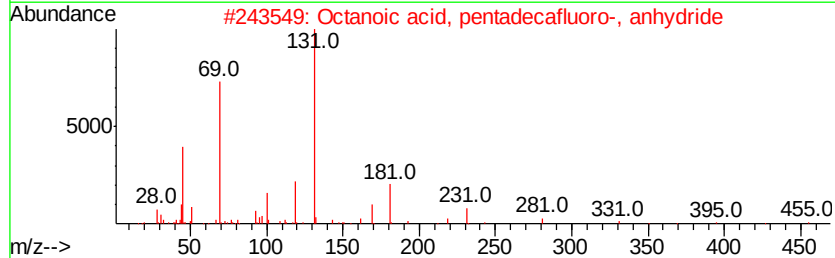
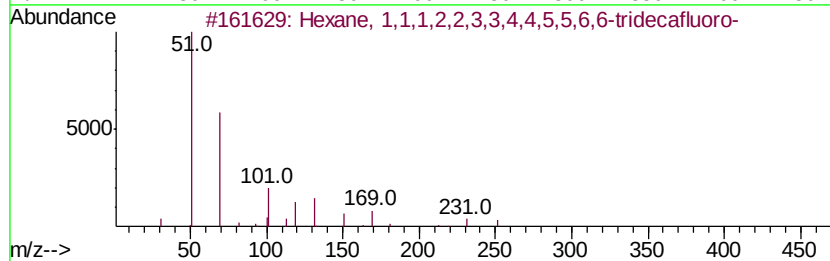
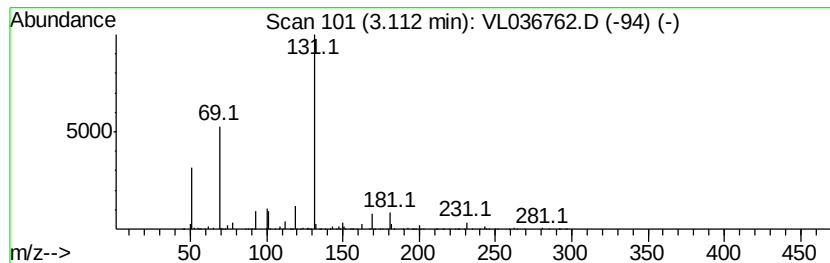
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 2 unknown3.11 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.11	13.25 ppbv	29991800	Bromochloromethane	5.67

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 1,1,1,2,2,3,3,4,4,5,5,6,...	320	C6HF13	000355-37-3	39	
2	Octanoic acid, pentadecafluoro-,...	810	C16F30O3	033496-48-9	10	
3	Perfluoro-n-pentanoic acid	264	C5HF9O2	002706-90-3	10	
4	2,2,3,3,4,4,5,5,6,6-Decafluorohe...	280	C6H2F10O	1000283-62-2	10	
5	Sevoflurane	200	C4H3F7O	1000308-79-8	9	



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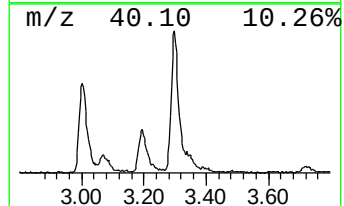
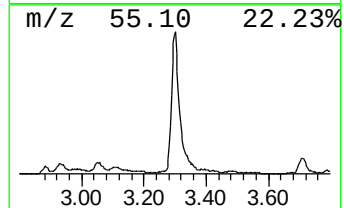
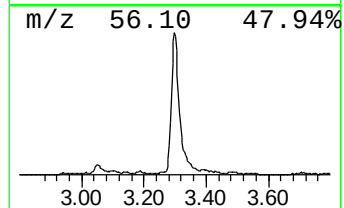
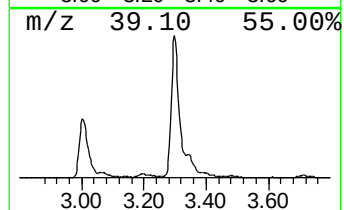
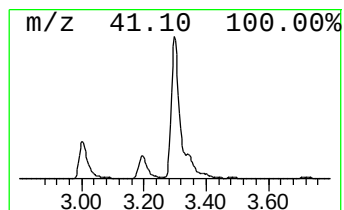
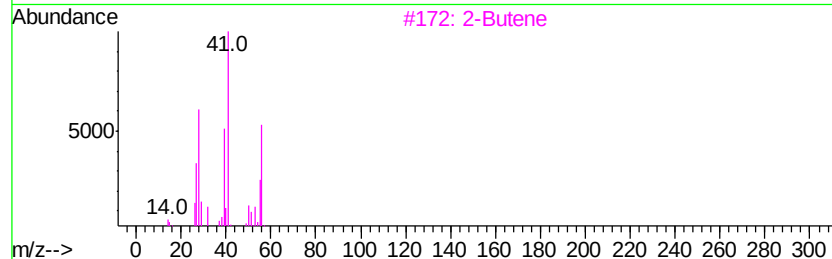
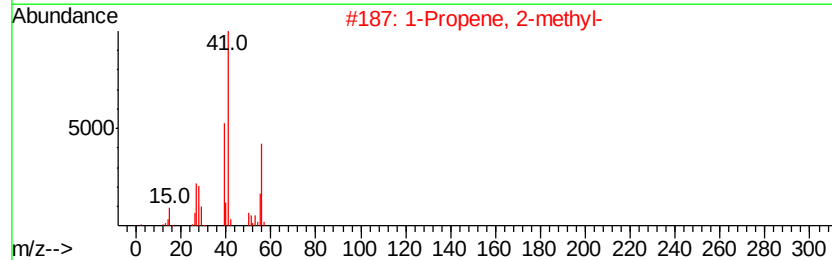
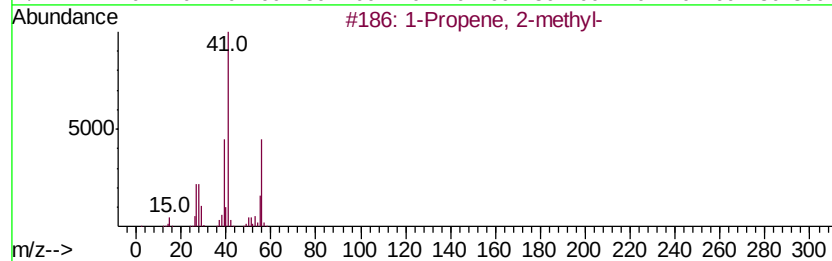
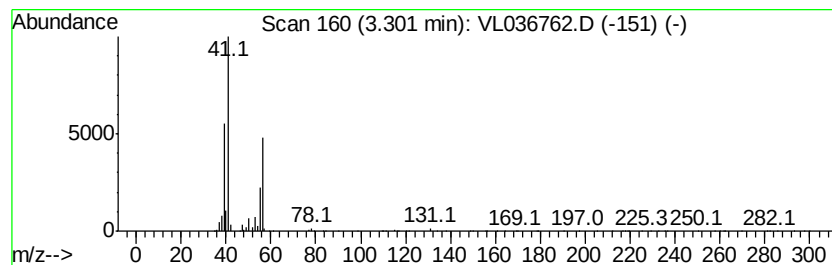
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 1-Propene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.30	14.38 ppbv	32561700	Bromochloromethane	5.67

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propene, 2-methyl-		56	C4H8	000115-11-7	86
2	1-Propene, 2-methyl-		56	C4H8	000115-11-7	72
3	2-Butene		56	C4H8	000107-01-7	50
4	2-Butene, (Z)-		56	C4H8	000590-18-1	49
5	1-Propene, 2-methyl-		56	C4H8	000115-11-7	49



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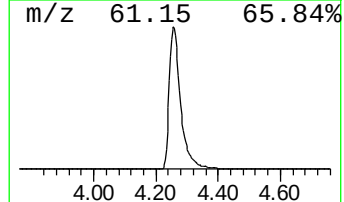
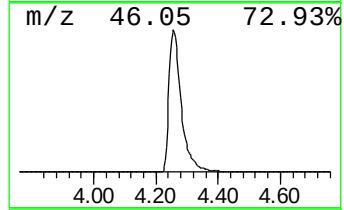
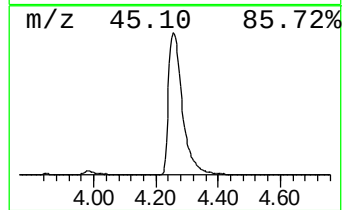
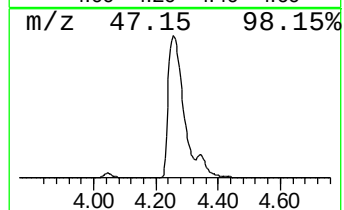
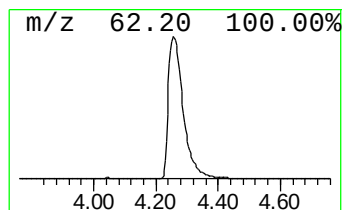
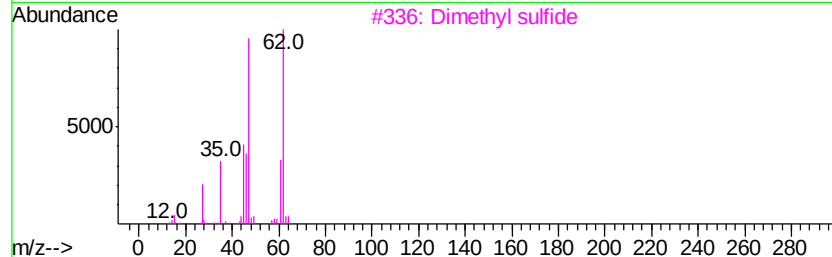
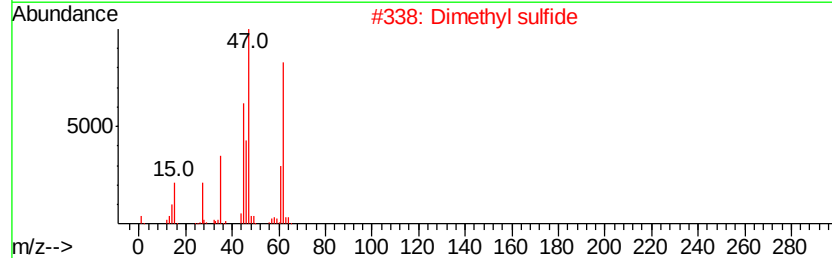
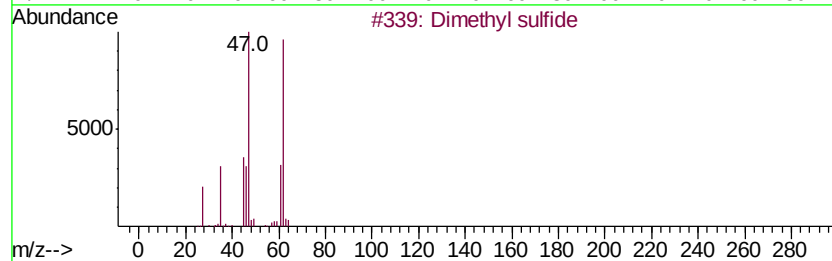
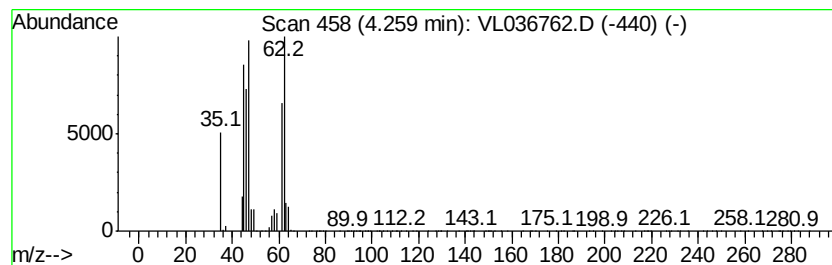
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Dimethyl sulfide Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.26	47.62 ppbv	107836000	Bromochloromethane	5.67

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dimethyl sulfide	62	C2H6S	000075-18-3	72
2		Dimethyl sulfide	62	C2H6S	000075-18-3	72
3		Dimethyl sulfide	62	C2H6S	000075-18-3	72
4		Ethanethiol	62	C2H6S	000075-08-1	37
5		Ethanethiol	62	C2H6S	000075-08-1	37



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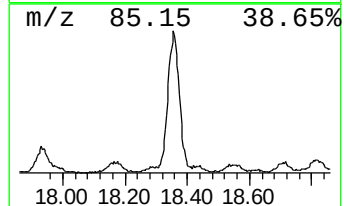
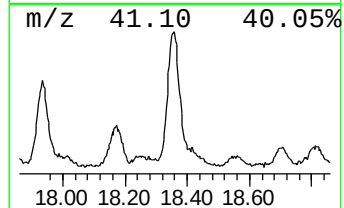
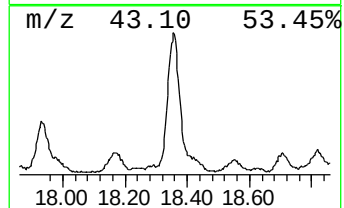
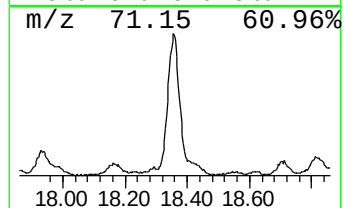
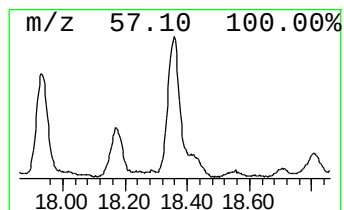
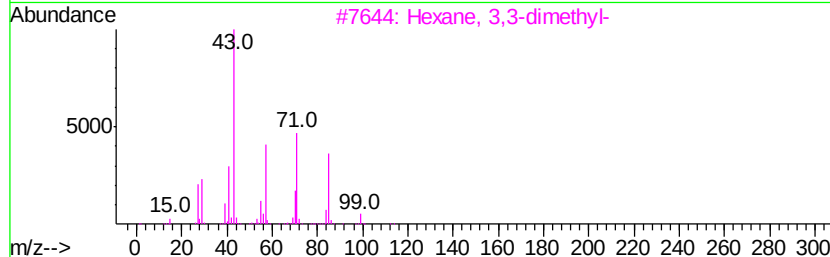
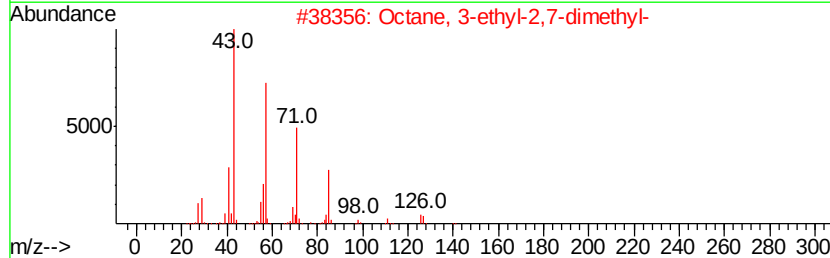
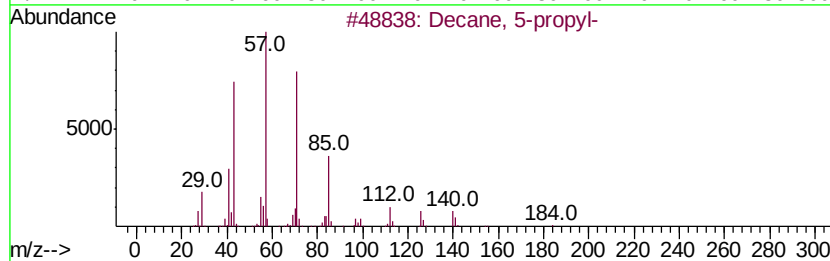
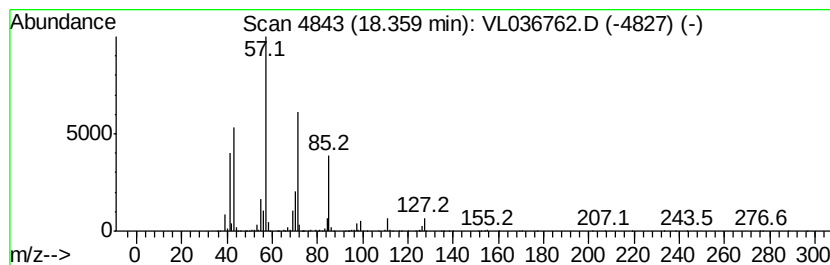
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Decane, 5-propyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.36	9.58 ppbv	8897170	Chlorobenzene-d5	12.08

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 5-propyl-	184	C13H28	017312-62-8	64
2		Octane, 3-ethyl-2,7-dimethyl-	170	C12H26	062183-55-5	64
3		Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	64
4		Heneicosane	296	C21H44	000629-94-7	59
5		Undecane, 2,7-dimethyl-	184	C13H28	017301-24-5	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL040821\
Data File : VL036762.D
Acq On : 8 Apr 2021 23:10
Operator : SY/AP
Sample : M1981-04
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SG-1

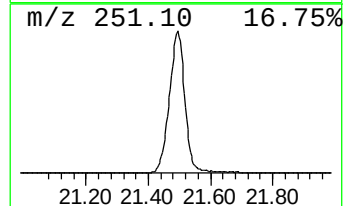
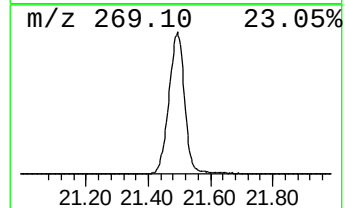
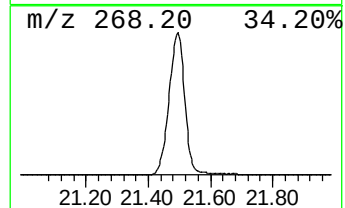
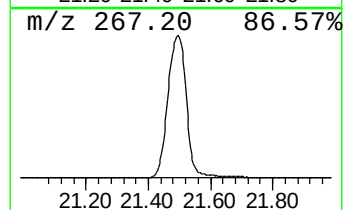
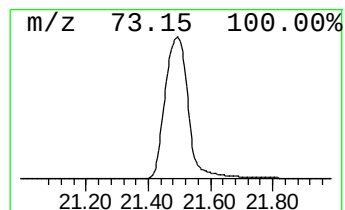
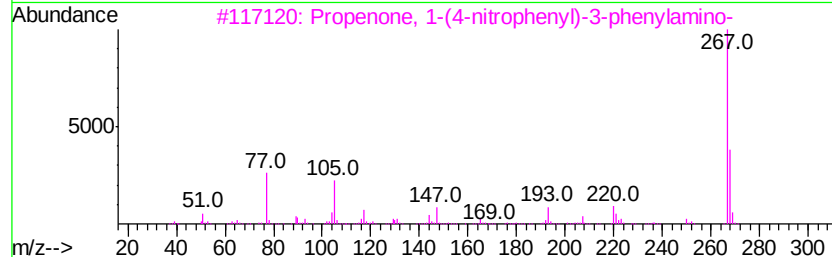
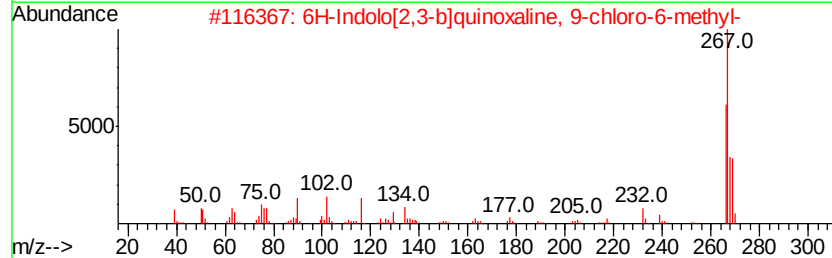
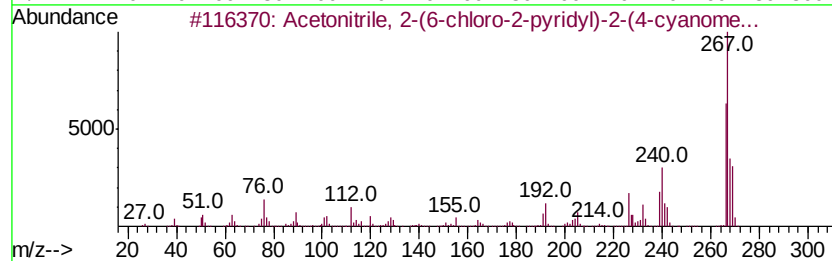
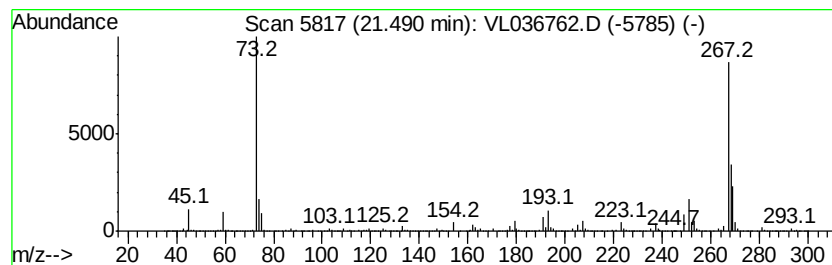
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Acetonitrile, 2-(6-chloro-2... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.49	130.39 ppbv	121136000	Chlorobenzene-d5	12.08

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Acetonitrile, 2-(6-chloro-2-pyri...	267	C15H10ClN3	1000162-41-0	50
2		6H-Indolo[2,3-b]quinoxaline, 9-c...	267	C15H10ClN3	1000319-29-1	50
3		Propenone, 1-(4-nitrophenyl)-3-p...	268	C15H12N2O3	1000302-96-9	47
4		6-Chloromethyl-benzo[4,5]imidazo...	267	C15H10ClN3	070371-92-5	47
5		Propenenitrile, 2-(2-benzothiazo...	268	C14H8N2S2	106833-31-2	47



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL040821\
Data File : VL036762.D
Acq On : 8 Apr 2021 23:10
Operator : SY/AP
Sample : M1981-04
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032521AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown2.94	2.94	17.1	ppbv	38786000	1	5.67	22642800	10.0
unknown3.11	3.11	13.3	ppbv	29991800	1	5.67	22642800	10.0
1-Propene, 2-methyl-	3.30	14.4	ppbv	32561700	1	5.67	22642800	10.0
Dimethyl sulfide	4.26	47.6	ppbv	107836000	1	5.67	22642800	10.0
Decane, 5-propyl-	18.36	9.6	ppbv	8897170	3	12.08	9290160	10.0
Acetonitrile, 2-(...	21.49	130.4	ppbv	121136000	3	12.08	9290160	10.0