

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040821\
 Data File : VL036750.D
 Acq On : 8 Apr 2021 14:42
 Operator : SY/AP
 Sample : M1981-04 4X
 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	34	rBV2	3521018	6096389	8.38%	1.475%
2	2.938	34	47	55	rVV2	16887711	37567728	51.65%	9.092%
3	2.983	55	61	76	rVV5	7797002	24307276	33.42%	5.883%
4	3.050	76	82	86	rVV3	5631087	9132998	12.56%	2.210%
5	3.083	86	92	106	rVV3	9543255	28372432	39.01%	6.867%
6	3.134	106	108	117	rVV2	5754935	8531935	11.73%	2.065%
7	3.192	117	126	142	rVV3	5666408	16931489	23.28%	4.098%
8	3.263	142	148	153	rVV5	2312055	4450513	6.12%	1.077%
9	3.301	153	160	186	rVV3	4469947	12570296	17.28%	3.042%
10	3.417	186	196	205	rVV7	1217080	2847423	3.91%	0.689%
11	3.485	205	217	229	rVV3	1265172	3318307	4.56%	0.803%
12	3.542	229	235	249	rVV4	461850	1086213	1.49%	0.263%
13	3.623	249	260	266	rVV3	344357	730185	1.00%	0.177%
14	3.700	266	284	308	rVB2	1839392	4599102	6.32%	1.113%
15	3.841	308	328	363	rBV	7115191	16501899	22.69%	3.994%
16	4.253	437	456	476	rBV	24757013	56715869	77.98%	13.727%
17	4.340	476	483	505	rVB2	2832344	6038171	8.30%	1.461%
18	5.243	754	764	788	rVB2	571183	1193396	1.64%	0.289%
19	5.674	881	898	921	rBV2	3120094	8501033	11.69%	2.057%
20	6.886	1261	1275	1295	rVB2	373021	787652	1.08%	0.191%
21	7.173	1338	1364	1382	rBV	3659371	8096466	11.13%	1.960%
22	7.472	1442	1457	1485	rBV4	296630	914752	1.26%	0.221%
23	10.423	2361	2375	2385	rBV4	383315	903862	1.24%	0.219%
24	11.690	2740	2769	2800	rBV2	6609322	19042721	26.18%	4.609%
25	12.082	2875	2891	2917	rBV2	3891529	9420108	12.95%	2.280%
26	14.413	3597	3616	3635	rBV4	3773836	9653256	13.27%	2.336%
27	16.124	4121	4148	4169	rBV4	548682	1757290	2.42%	0.425%
28	16.982	4390	4415	4449	rBV2	23144397	72734132	100.00%	17.603%
29	17.494	4559	4574	4586	rBV3	414272	1067435	1.47%	0.258%
30	17.941	4696	4713	4733	rBV3	604074	1723718	2.37%	0.417%
31	18.359	4827	4843	4868	rBV3	1031869	2812531	3.87%	0.681%
32	18.908	4998	5014	5027	rBV4	714783	2031449	2.79%	0.492%
33	19.455	5166	5184	5198	rBV5	415196	1294119	1.78%	0.313%
34	21.487	5789	5816	5861	rBV2	7841094	31452291	43.24%	7.612%

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ClientSampleId :
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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

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

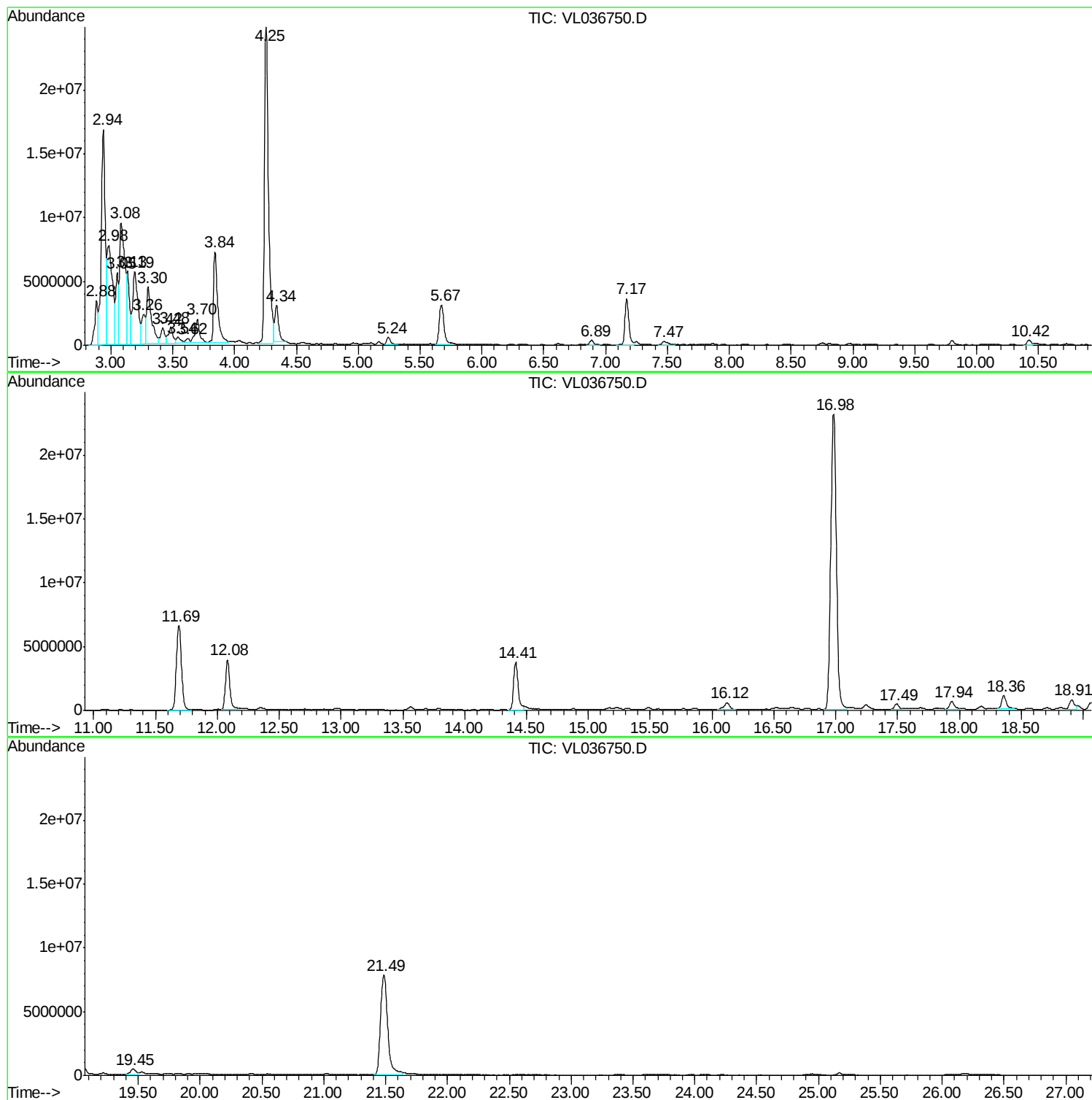
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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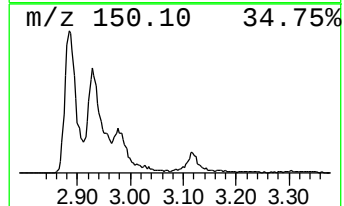
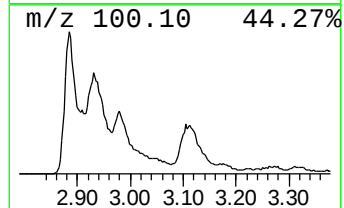
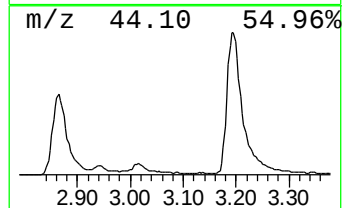
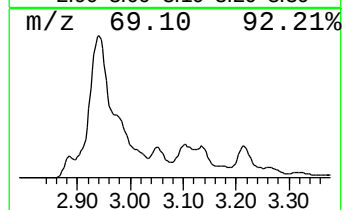
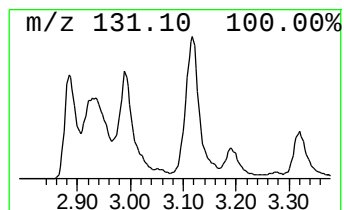
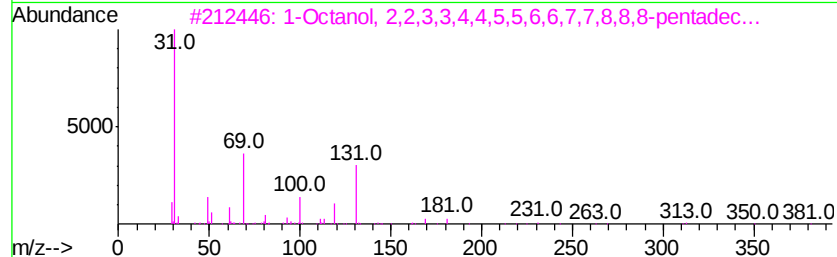
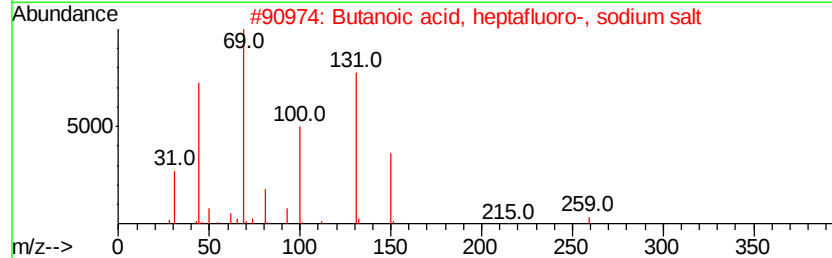
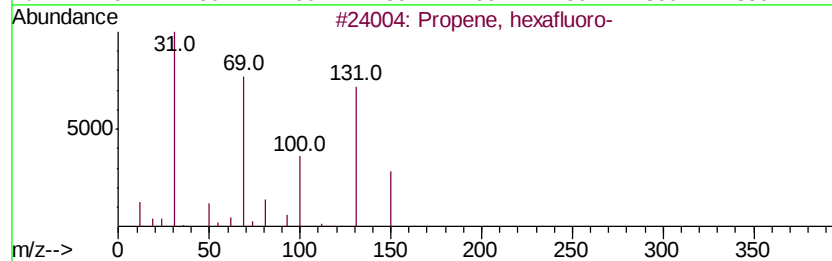
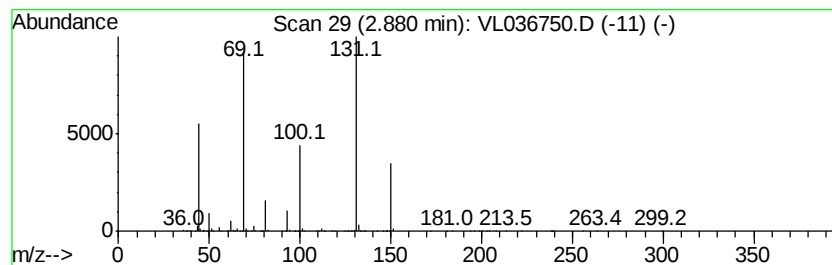
Instrument :
MSVOA_L
ClientSampled :
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021

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

Peak Number 1 Propene, hexafluoro- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.88	7.17 ppbv	6096390	Bromochloromethane	5.66
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Propene, hexafluoro-	150 C3F6	000116-15-4	87
2	Butanoic acid, heptafluoro-, sod...	236 C4F7NaO2	002218-54-4	80
3	1-Octanol, 2,2,3,3,4,4,5,5,6,6,7...	400 C8H3F15O	000307-30-2	45
4	Propene, hexafluoro-	150 C3F6	000116-15-4	38
5	Butanal, heptafluoro-	198 C4HF7O	000375-02-0	9



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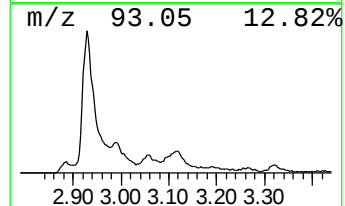
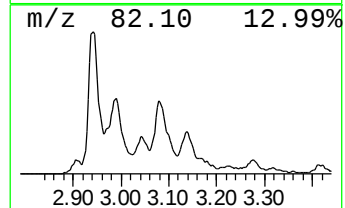
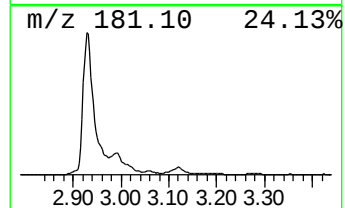
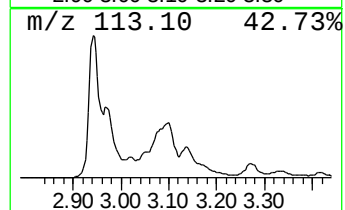
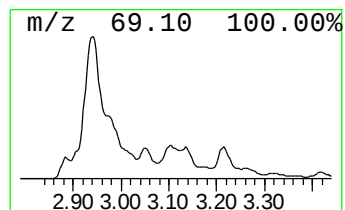
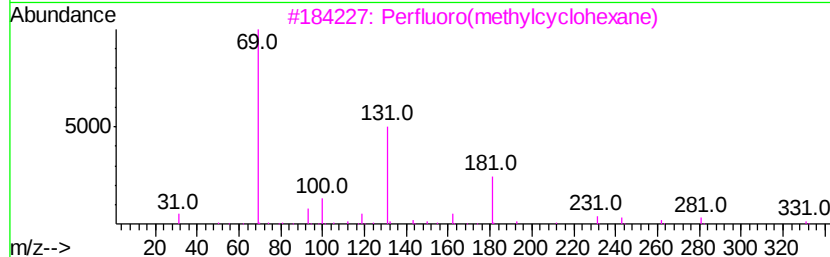
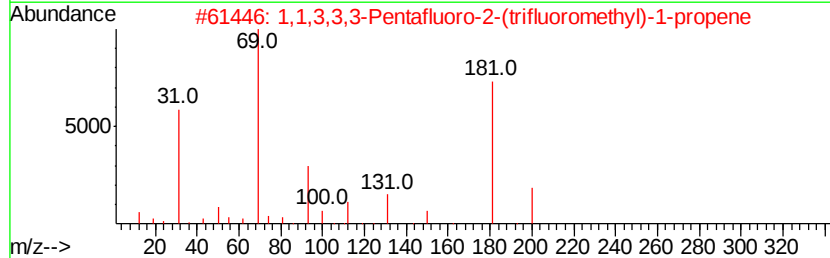
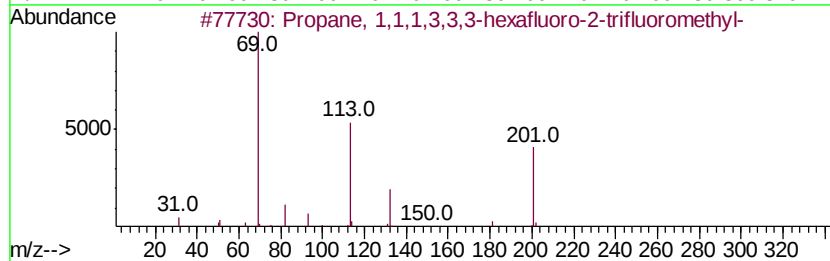
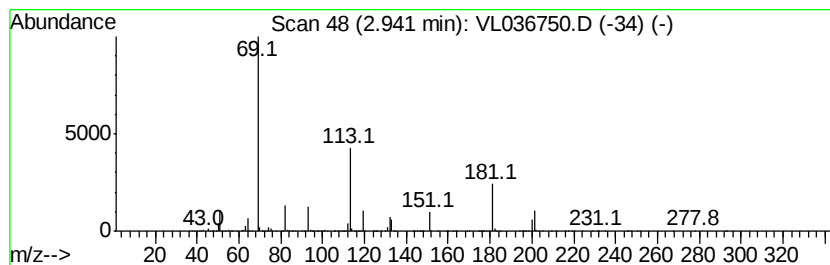
Instrument :
MSVOA_L
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown2.94 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.94	44.19 ppbv	37567700	Bromochloromethane	5.66
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Propane, 1,1,1,3,3,3-hexafluoro-...	220 C4HF9	000382-24-1	40
2	1,1,3,3,3-Pentafluoro-2-(trifluo...	200 C4F8	000382-21-8	10
3	Perfluoro(methylcyclohexane)	350 C7F14	000355-02-2	9
4	1,5-Bis(dimethyl(chloromethyl)si...	316 C11H26Cl2O2Si2	1000217-07-8	9
5	1,1,1,3,3,3-Hexafluoropropan-2-o...	181 C3HF6NO	001645-76-7	7



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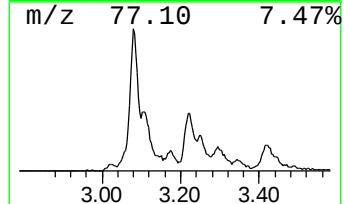
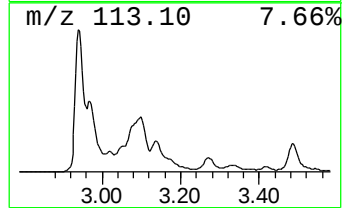
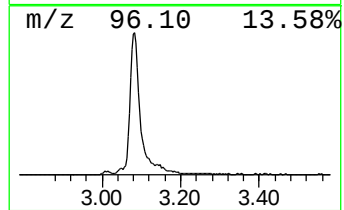
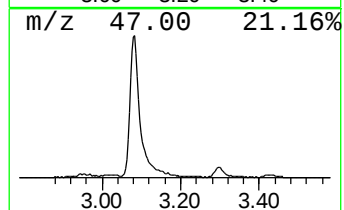
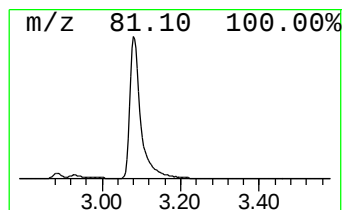
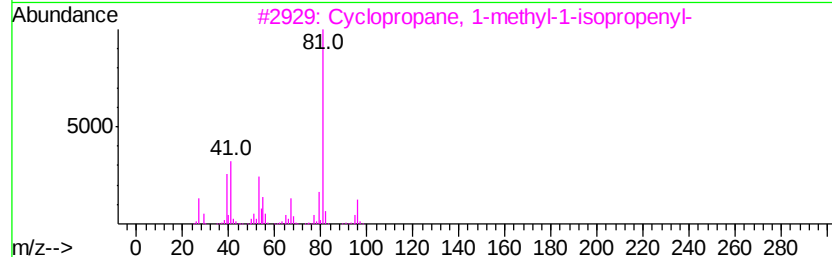
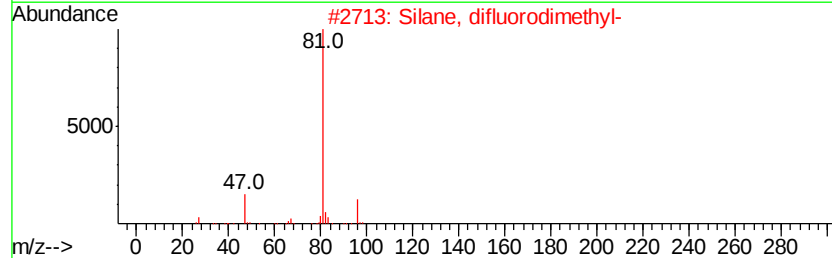
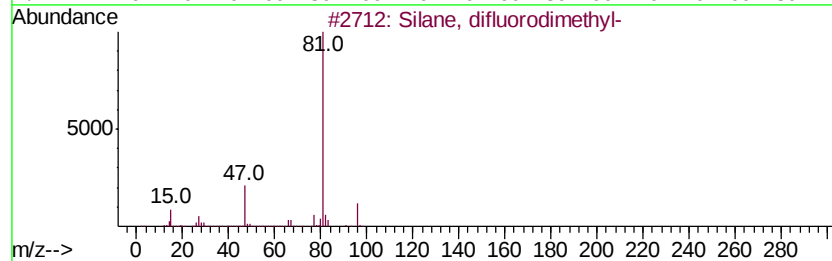
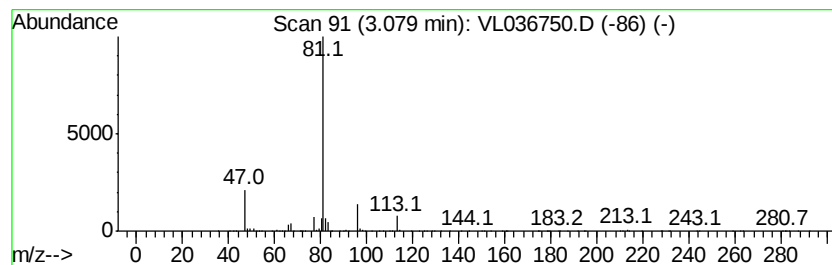
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Silane, difluorodimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.08	33.38 ppbv	28372400	Bromochloromethane	5.66

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Silane, difluorodimethyl-	96	C2H6F2Si	000353-66-2	90
2		Silane, difluorodimethyl-	96	C2H6F2Si	000353-66-2	86
3		Cyclopropane, 1-methyl-1-isopropyl-	96	C7H12	003422-07-9	59
4		3,5-Dimethylcyclopentene	96	C7H12	007459-71-4	53
5		1,4-Pentadiene, 3,3-dimethyl-	96	C7H12	001112-35-2	42



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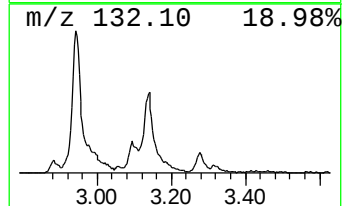
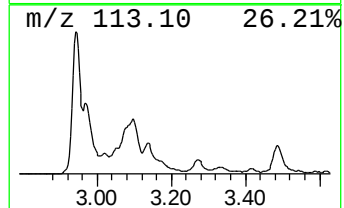
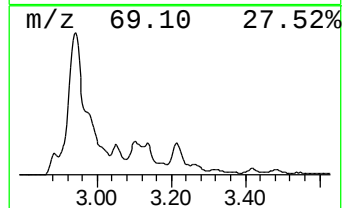
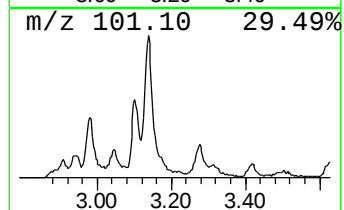
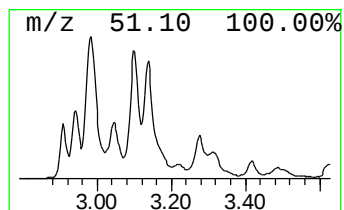
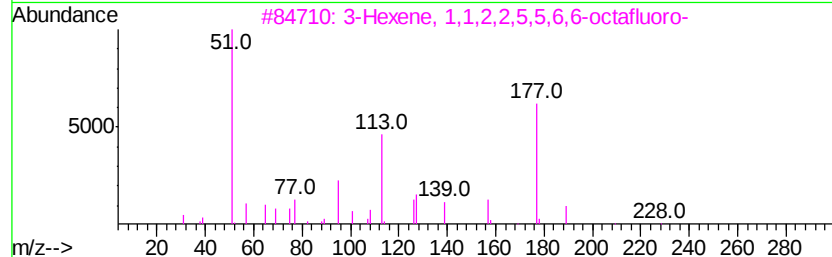
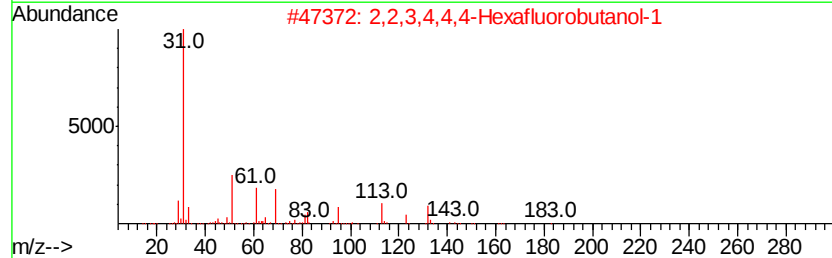
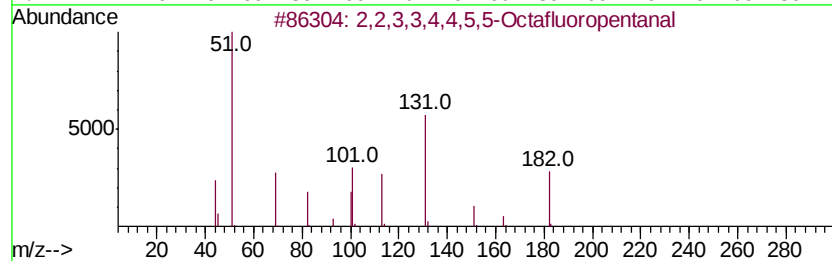
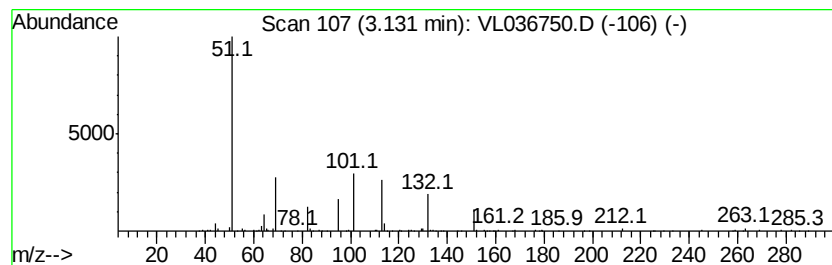
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 2,2,3,3,4,4,5,5-Octafluorop... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.	
3.13	10.04 ppbv	8531940	Bromochloromethane	5.66	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2,3,3,4,4,5,5-Octafluoropentanal	230	C5H2F8O	002648-47-7	64
2	2,2,3,4,4,4-Hexafluorobutanol-1	182	C4H4F6O	000382-31-0	9
3	3-Hexene, 1,1,2,2,5,5,6,6-octafl...	228	C6H4F8	040723-73-7	4
4	1-Pentanol, 2,2,3,3,4,4,5,5-octa...	232	C5H4F8O	000355-80-6	4
5	Propiolonitrile	51	C3HN	001070-71-9	3



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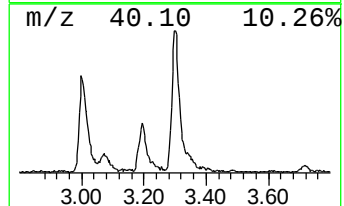
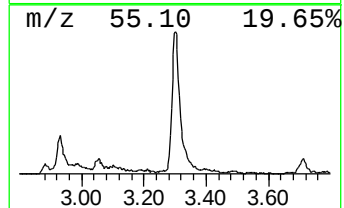
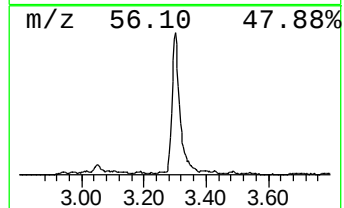
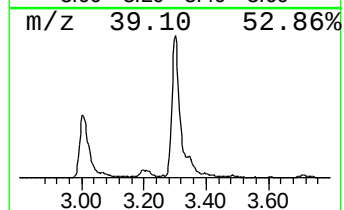
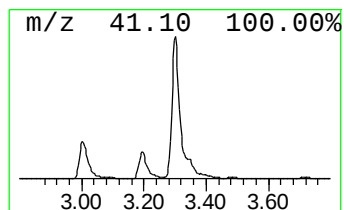
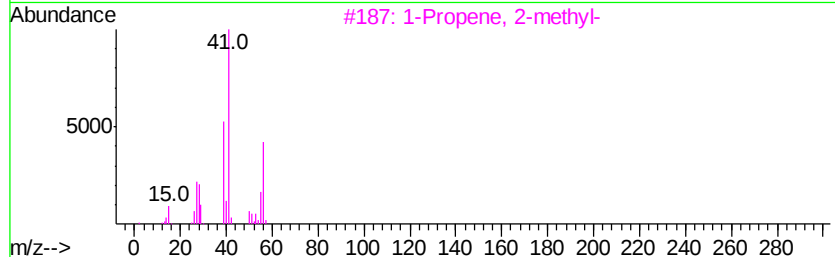
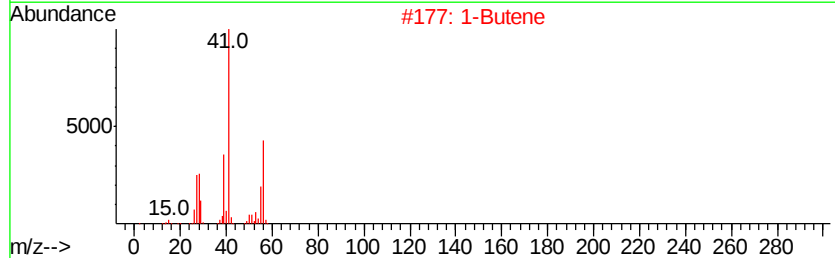
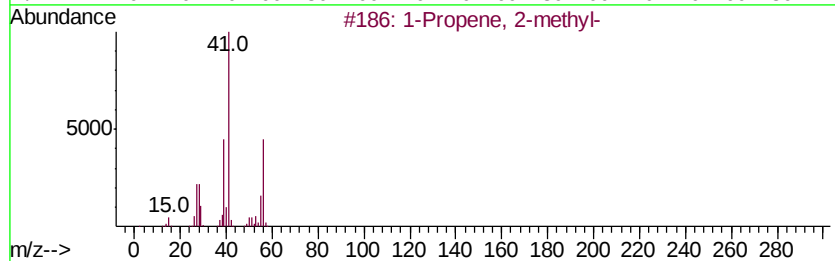
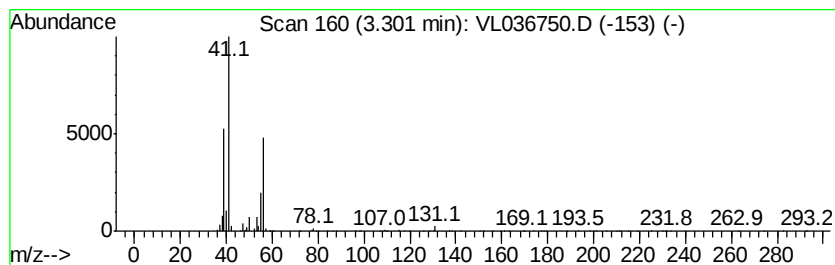
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021

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

Peak Number 6 1-Propene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.30	14.79 ppbv	12570300	Bromochloromethane	5.66

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propene, 2-methyl-		56	C4H8	000115-11-7	86
2	1-Butene		56	C4H8	000106-98-9	86
3	1-Propene, 2-methyl-		56	C4H8	000115-11-7	80
4	1-Propene, 2-methyl-		56	C4H8	000115-11-7	58
5	1-Butene		56	C4H8	000106-98-9	52



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL040821\
Data File : VL036750.D
Acq On : 8 Apr 2021 14:42
Operator : SY/AP
Sample : M1981-04 4X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SG-1

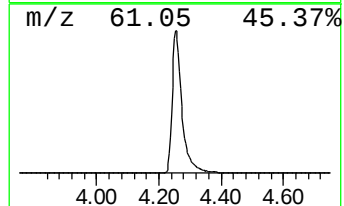
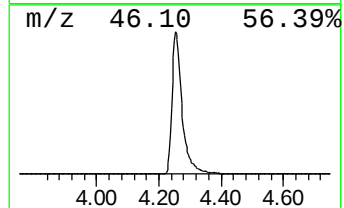
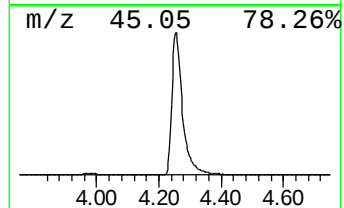
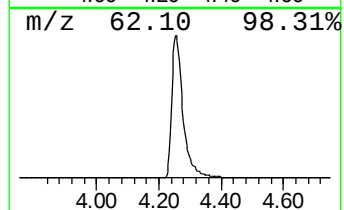
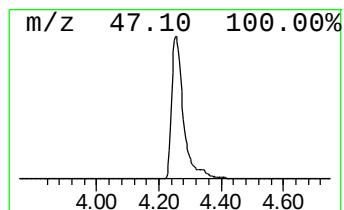
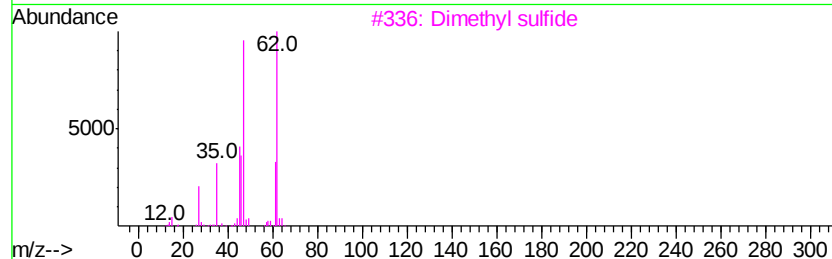
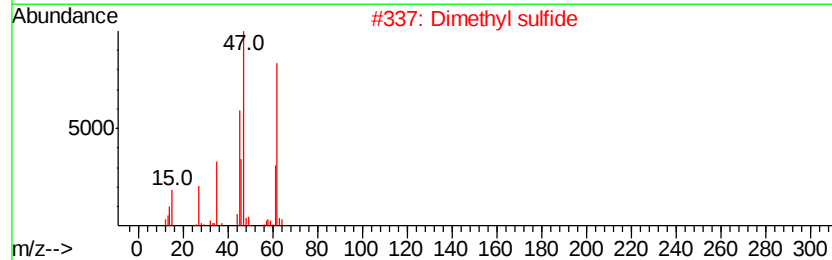
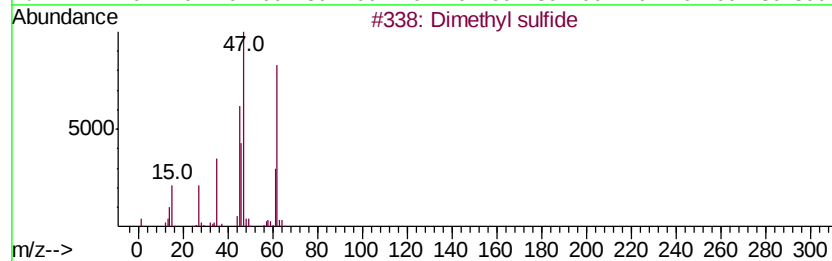
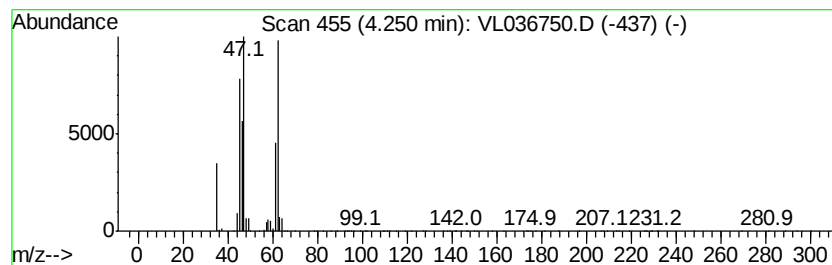
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021

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

Peak Number 7 Dimethyl sulfide Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.25	66.72 ppbv	56715900	Bromochloromethane	5.66

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dimethyl sulfide		62	C2H6S	000075-18-3	95
2	Dimethyl sulfide		62	C2H6S	000075-18-3	90
3	Dimethyl sulfide		62	C2H6S	000075-18-3	90
4	Dimethyl sulfide		62	C2H6S	000075-18-3	87
5	Borane-methyl sulfide complex		76	C2H9BS	013292-87-0	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL040821\
 Data File : VL036750.D
 Acq On : 8 Apr 2021 14:42
 Operator : SY/AP
 Sample : M1981-04 4X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

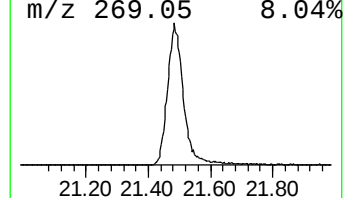
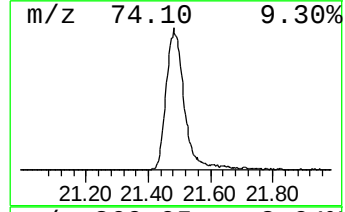
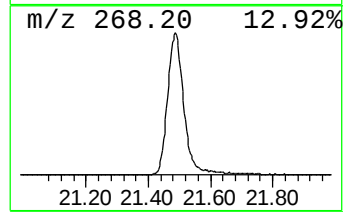
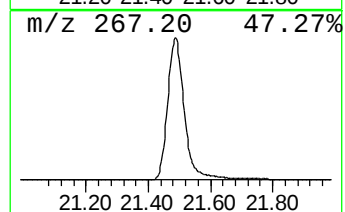
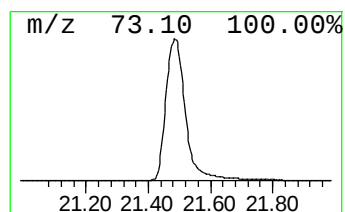
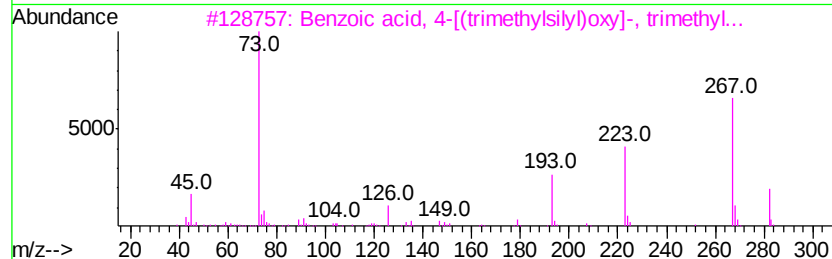
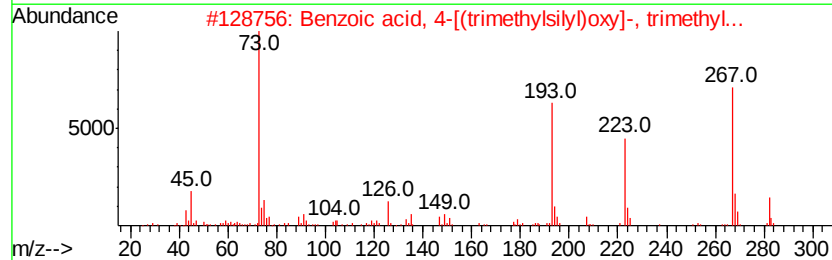
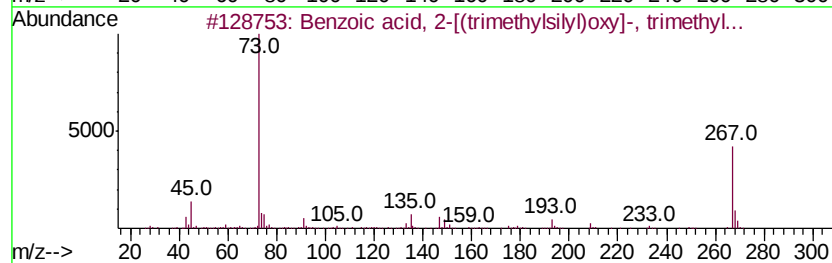
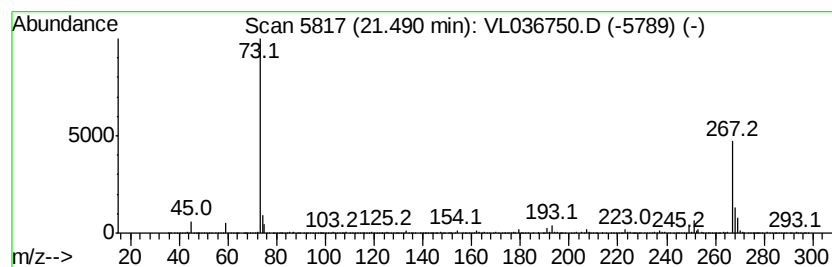
Instrument :
 MSVOA_L
 ClientSampleId :
 SG-1

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 10 unknown21.49 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.		
21.49	33.39 ppbv	31452300	Chlorobenzene-d5	12.08		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzoic acid, 2-[(trimethylsilyl)oxy]-, trimethyl...	282	C13H22O3Si2	003789-85-3	40
2		Benzoic acid, 4-[(trimethylsilyl)oxy]-, trimethyl...	282	C13H22O3Si2	002078-13-9	39
3		Benzoic acid, 4-[(trimethylsilyl)oxy]-, trimethyl...	282	C13H22O3Si2	002078-13-9	38
4		Tetrasiloxane, 1,1,3,3,5,5,7,7-o...	282	C8H26O3Si4	001000-05-1	27
5		4-Methylcatechol, bis(trimethylsilyl)oxy-	268	C13H24O2Si2	1000332-79-9	10



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL040821\
Data File : VL036750.D
Acq On : 8 Apr 2021 14:42
Operator : SY/AP
Sample : M1981-04 4X
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
Propene, hexafluoro-	2.88	7.2	ppbv	6096390	1	5.66	8501030	10.0
unknown2.94	2.94	44.2	ppbv	37567700	1	5.66	8501030	10.0
Silane, difluorod...	3.08	33.4	ppbv	28372400	1	5.66	8501030	10.0
2,2,3,3,4,4,5,5-0...	3.13	10.0	ppbv	8531940	1	5.66	8501030	10.0
1-Propene, 2-methyl-	3.30	14.8	ppbv	12570300	1	5.66	8501030	10.0
Dimethyl sulfide	4.25	66.7	ppbv	56715900	1	5.66	8501030	10.0
unknown21.49	21.49	33.4	ppbv	31452300	3	12.08	9420110	10.0