

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102522\
 Data File : VL039794.D
 Acq On : 25 Oct 2022 19:13
 Operator : SY/AP
 Sample : N5227-13
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 M

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\VL102422AIR.M

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

Signal : TIC: VL039794.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.658	9	17	24	rBV	5317094	6396373	89.22%	10.515%
2	2.690	24	27	30	rVV4	1253364	1385655	19.33%	2.278%
3	2.713	30	34	48	rVV3	1812538	3170681	44.22%	5.212%
4	2.803	48	62	65	rVV3	1100800	1896270	26.45%	3.117%
5	2.822	65	68	80	rVB2	1018053	1395094	19.46%	2.293%
6	2.886	85	88	102	rVB2	383067	559134	7.80%	0.919%
7	2.954	102	109	114	rBV4	231890	264237	3.69%	0.434%
8	2.989	114	120	128	rVV4	873640	1436241	20.03%	2.361%
9	3.031	128	133	142	rVV	626902	826994	11.53%	1.359%
10	3.083	142	149	158	rVV4	270982	382856	5.34%	0.629%
11	3.128	158	163	166	rVV2	76348	76499	1.07%	0.126%
12	3.153	166	171	181	rVB6	167086	248689	3.47%	0.409%
13	3.205	181	187	193	rBV2	76447	92577	1.29%	0.152%
14	3.279	202	210	216	rVB5	118742	162528	2.27%	0.267%
15	3.349	222	232	243	rBV4	241227	455394	6.35%	0.749%
16	3.488	264	275	279	rBV	895900	1210954	16.89%	1.991%
17	3.507	279	281	294	rVB3	610430	801818	11.18%	1.318%
18	3.636	313	321	334	rVB	215881	315465	4.40%	0.519%
19	3.700	334	341	348	rBV2	93914	127190	1.77%	0.209%
20	3.748	348	356	368	rVV	335518	477817	6.66%	0.785%
21	3.828	368	381	392	rVB5	154033	340868	4.75%	0.560%
22	3.951	410	419	432	rVV2	751409	1355805	18.91%	2.229%
23	3.999	432	434	446	rVB7	71536	93688	1.31%	0.154%
24	4.160	470	484	498	rBV8	224403	545801	7.61%	0.897%
25	4.629	618	630	636	rBV5	86670	170668	2.38%	0.281%
26	4.674	636	644	656	rVV3	152842	291637	4.07%	0.479%
27	4.732	656	662	673	rVB7	54777	90538	1.26%	0.149%
28	4.809	675	686	701	rBV2	135762	238527	3.33%	0.392%
29	4.922	709	721	733	rBV3	76501	147429	2.06%	0.242%
30	5.015	735	750	768	rVB3	143865	326566	4.55%	0.537%
31	5.205	795	809	837	rBV4	1777924	4543714	63.38%	7.469%
32	5.825	991	1002	1011	rBV3	91403	178461	2.49%	0.293%
33	6.333	1146	1160	1164	rBV10	59859	120073	1.67%	0.197%
34	6.378	1164	1174	1187	rVB2	193364	387887	5.41%	0.638%
35	6.610	1231	1246	1247	rBV5	75963	100630	1.40%	0.165%
36	6.658	1250	1261	1280	rVV	2811204	5680007	79.22%	9.337%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102522\
 Data File : VL039794.D
 Acq On : 25 Oct 2022 19:13
 Operator : SY/AP
 Sample : N5227-13
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 M

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\VL102422AIR.M

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

37	6.732	1280	1284	1295	rVB5	114347	213468	2.98%	0.351%
38	6.960	1342	1355	1365	rBV6	110533	263277	3.67%	0.433%
39	7.285	1442	1456	1458	rBV9	50781	91963	1.28%	0.151%
40	7.330	1463	1470	1482	rVB9	49554	107101	1.49%	0.176%
41	7.587	1538	1550	1564	rBV4	114619	251874	3.51%	0.414%
42	8.253	1744	1757	1773	rVB7	134873	308080	4.30%	0.506%
43	9.224	2045	2059	2073	rBV4	406282	857175	11.96%	1.409%
44	9.481	2125	2139	2141	rBV5	63247	97491	1.36%	0.160%
45	9.848	2242	2253	2256	rBV7	85271	131367	1.83%	0.216%
46	9.889	2263	2266	2277	rVB6	56912	79657	1.11%	0.131%
47	10.494	2440	2454	2473	rBV4	162999	373381	5.21%	0.614%
48	11.114	2633	2647	2650	rBV2	82958	132663	1.85%	0.218%
49	11.468	2737	2757	2782	rBV	2786629	6646585	92.71%	10.926%
50	12.343	3017	3029	3032	rBV3	125377	202398	2.82%	0.333%
51	12.368	3036	3037	3054	rVB4	101223	154657	2.16%	0.254%
52	12.706	3132	3142	3156	rVB6	60884	142135	1.98%	0.234%
53	13.056	3236	3251	3265	rBV4	88910	196485	2.74%	0.323%
54	13.532	3382	3399	3417	rBV6	349724	874486	12.20%	1.438%
55	13.777	3457	3475	3513	rBV3	2696748	7169495	100.00%	11.786%
56	14.606	3723	3733	3741	rBV3	86170	192229	2.68%	0.316%
57	14.670	3741	3753	3772	rVB8	176127	477509	6.66%	0.785%
58	15.117	3878	3892	3905	rBV5	113707	312091	4.35%	0.513%
59	15.355	3953	3966	3969	rBV8	51165	85944	1.20%	0.141%
60	15.481	3993	4005	4012	rBV9	59921	122351	1.71%	0.201%
61	15.674	4048	4065	4066	rBV8	99794	154005	2.15%	0.253%
62	15.683	4066	4068	4081	rVB9	89472	131498	1.83%	0.216%
63	15.998	4150	4166	4167	rBV9	64393	108392	1.51%	0.178%
64	16.111	4187	4201	4211	rBV4	132821	314054	4.38%	0.516%
65	16.371	4256	4282	4284	rBV2	419695	765903	10.68%	1.259%
66	16.381	4284	4285	4302	rVV3	381765	465408	6.49%	0.765%
67	16.474	4302	4314	4329	rVV6	197094	465687	6.50%	0.766%
68	16.921	4436	4453	4454	rBV8	86258	157748	2.20%	0.259%
69	16.934	4456	4457	4470	rVB6	76531	90326	1.26%	0.148%
70	17.294	4551	4569	4582	rBV8	157702	452011	6.30%	0.743%
71	17.516	4620	4638	4639	rBV6	53137	79919	1.11%	0.131%
72	17.703	4680	4696	4712	rBV6	162108	497666	6.94%	0.818%
73	18.246	4851	4865	4866	rBV3	115286	174738	2.44%	0.287%
74	18.252	4866	4867	4878	rVV7	124939	180212	2.51%	0.296%
75	18.301	4880	4882	4897	rVB6	68043	95185	1.33%	0.156%
76	18.407	4906	4915	4928	rBV5	110640	241820	3.37%	0.398%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102522\
Data File : VL039794.D
Acq On : 25 Oct 2022 19:13
Operator : SY/AP
Sample : N5227-13
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
M

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\VL102422AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

77	18.796	5019	5036	5037	rBV7	94767	150114	2.09%	0.247%
78	19.256	5164	5179	5192	rBV7	66127	174516	2.43%	0.287%
79	20.799	5636	5659	5671	rBV2	110586	354164	4.94%	0.582%

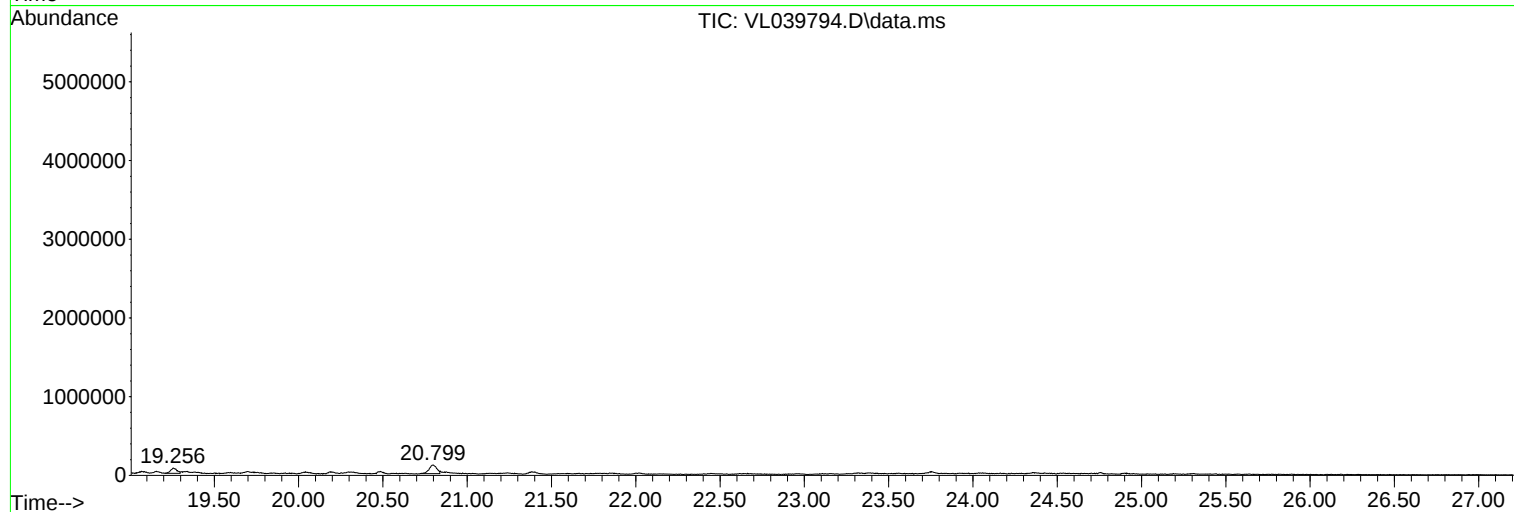
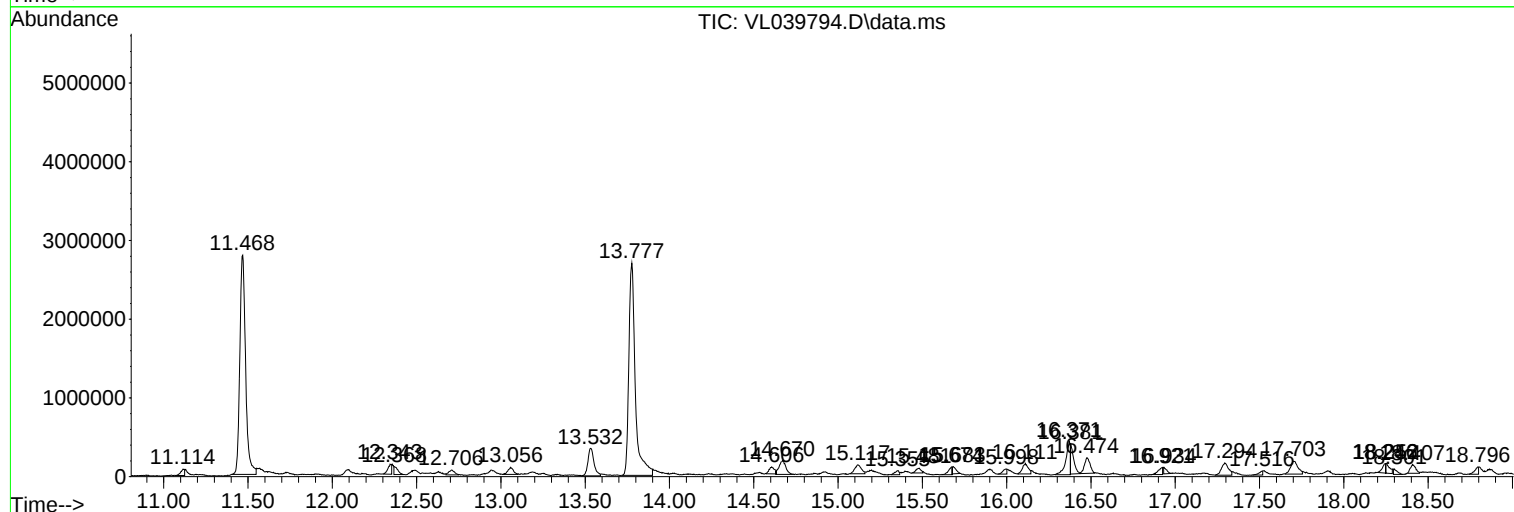
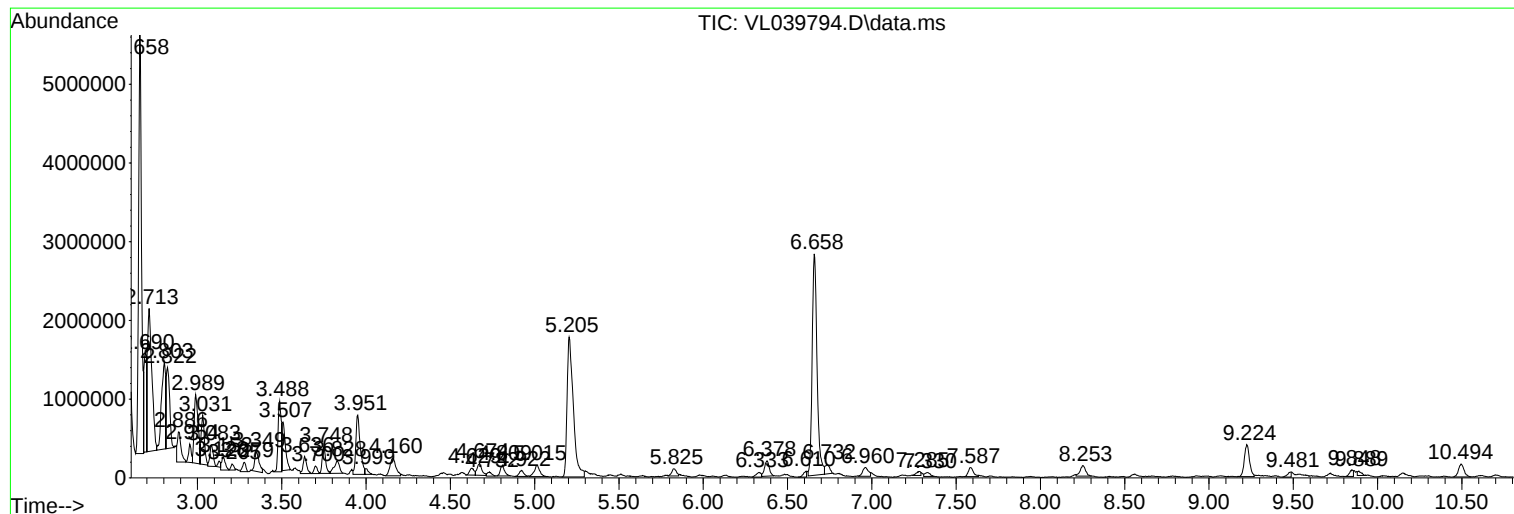
Sum of corrected areas: 60831993

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102522\
Data File : VL039794.D
Acq On : 25 Oct 2022 19:13
Operator : SY/AP
Sample : N5227-13
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
M

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL102422AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102522\
Data File : VL039794.D
Acq On : 25 Oct 2022 19:13
Operator : SY/AP
Sample : N5227-13
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
M

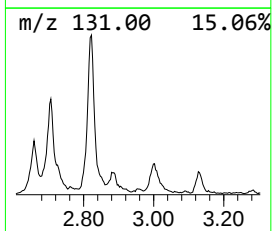
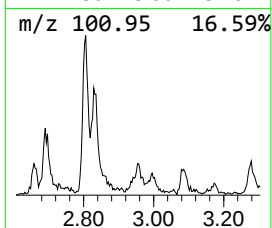
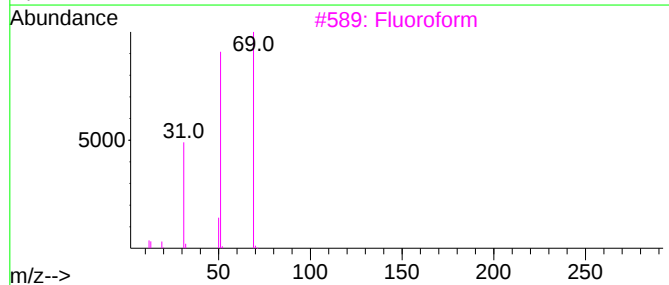
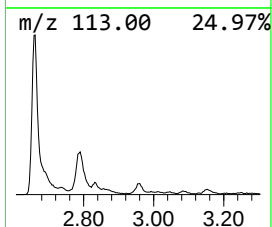
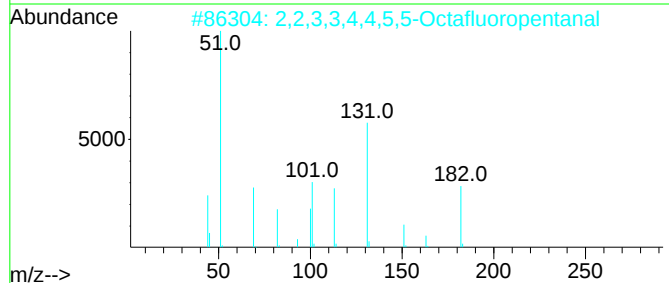
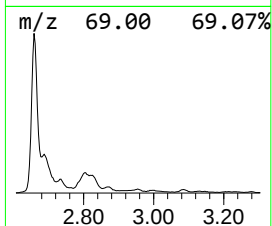
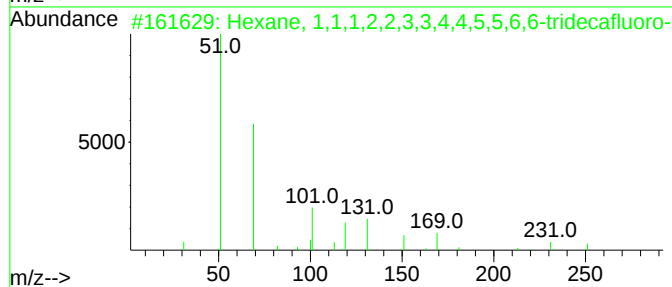
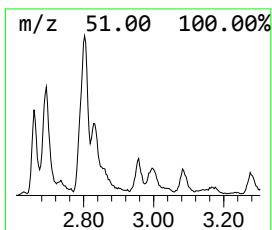
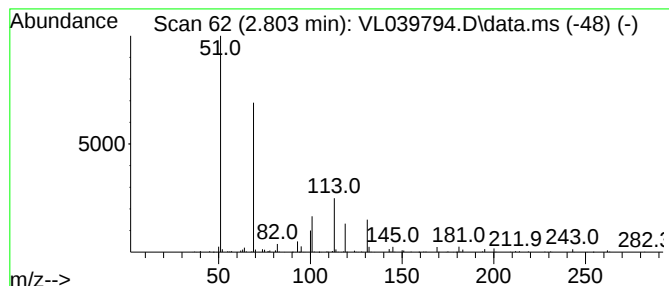
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL102422AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

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

Peak Number 2 Hexane, 1,1,1,2,2,3,3,4,4,5... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.803	4.17 ppbv	1896270	Bromochloromethane	5.201

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	64
2			2,2,3,3,4,4,5,5-Octafluoropentanal	230	C5H2F8O	002648-47-7	9
3			Fluoroform	70	CHF3	000075-46-7	4
4			Ethanol, 2,2,2-trifluoro-	100	C2H3F3O	000075-89-8	4
5			1,1,1,3,3-Pentafluoroacetone, fl...	165	C3HF6N	1000284-28-6	4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102522\
Data File : VL039794.D
Acq On : 25 Oct 2022 19:13
Operator : SY/AP
Sample : N5227-13
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
M

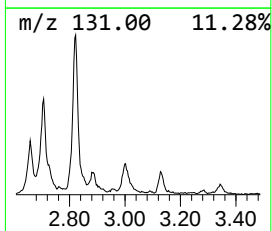
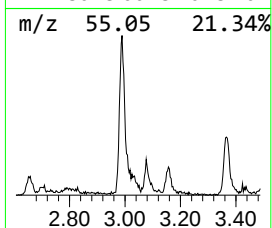
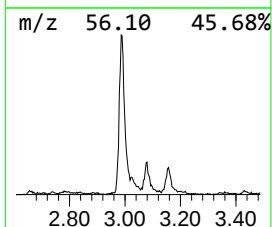
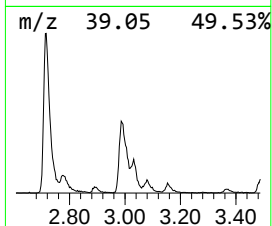
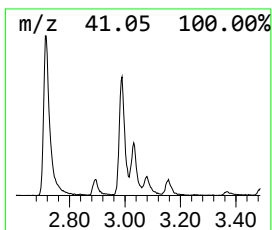
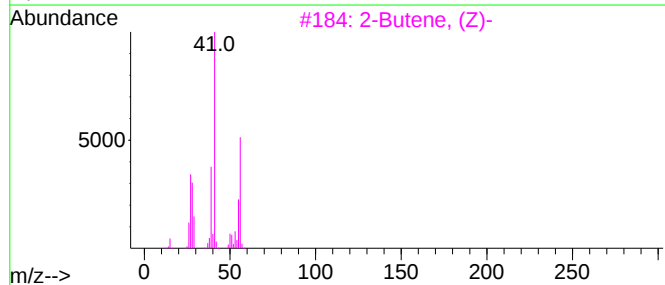
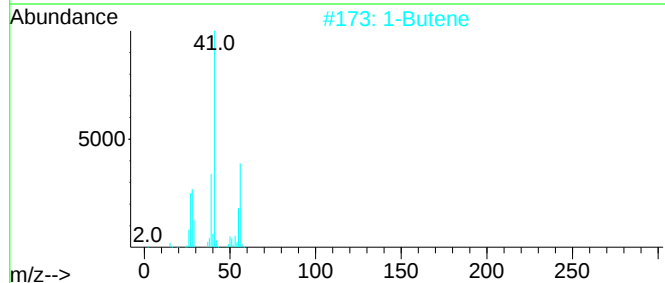
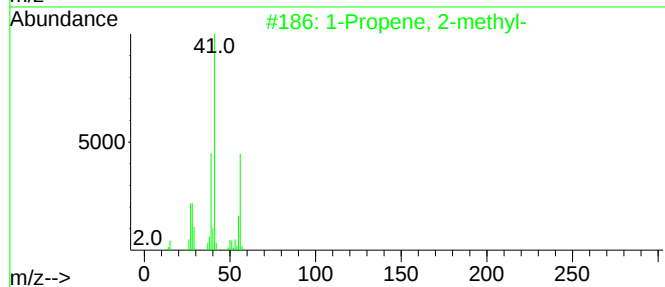
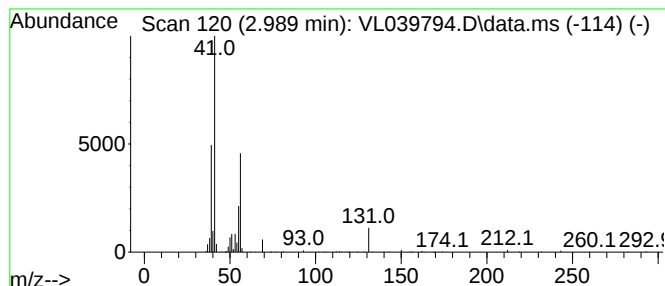
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL102422AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

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

Peak Number 5 1-Propene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.989	3.16 ppbv	1436240	Bromochloromethane	5.201

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propene, 2-methyl-	56	C4H8	000115-11-7	87	
2	1-Butene	56	C4H8	000106-98-9	83	
3	2-Butene, (Z)-	56	C4H8	000590-18-1	83	
4	2-Butene, (E)-	56	C4H8	000624-64-6	80	
5	2-Butene, (Z)-	56	C4H8	000590-18-1	80	



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102522\
Data File : VL039794.D
Acq On : 25 Oct 2022 19:13
Operator : SY/AP
Sample : N5227-13
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
M

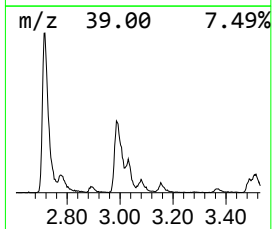
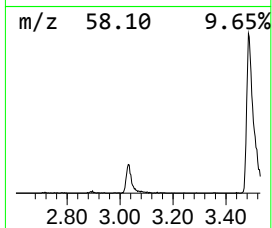
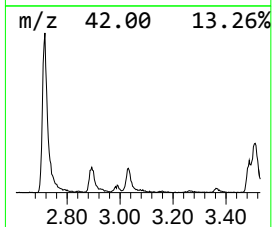
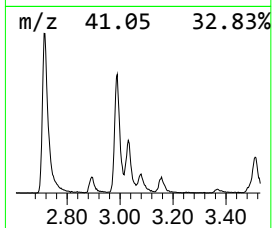
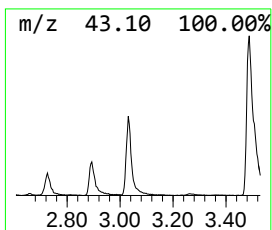
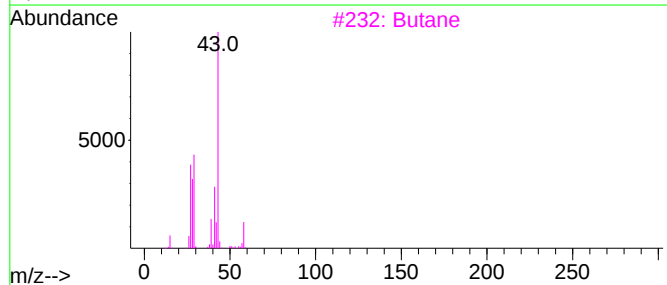
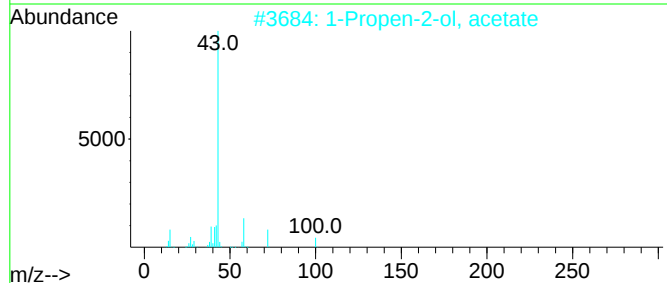
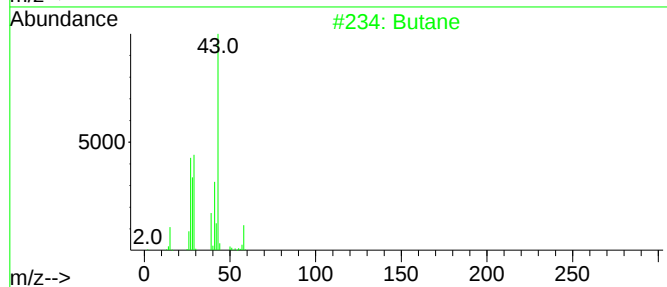
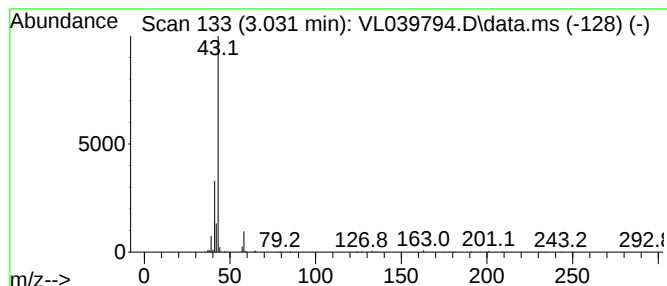
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL102422AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

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

Peak Number 6 unknown3.031 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.031	1.82 ppbv	826994	Bromochloromethane	5.201

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane		58	C4H10	000106-97-8	42
2	1-Propen-2-ol, acetate		100	C5H8O2	000108-22-5	36
3	Butane		58	C4H10	000106-97-8	9
4	Butane		58	C4H10	000106-97-8	9
5	Diazene, dimethyl-		58	C2H6N2	000503-28-6	4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102522\
Data File : VL039794.D
Acq On : 25 Oct 2022 19:13
Operator : SY/AP
Sample : N5227-13
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
M

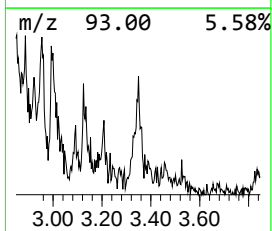
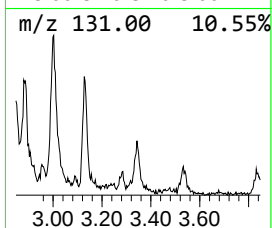
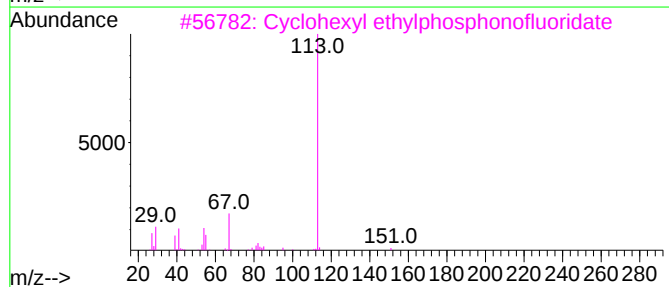
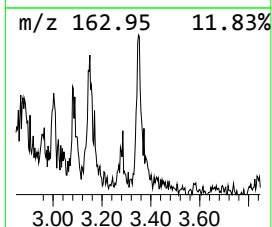
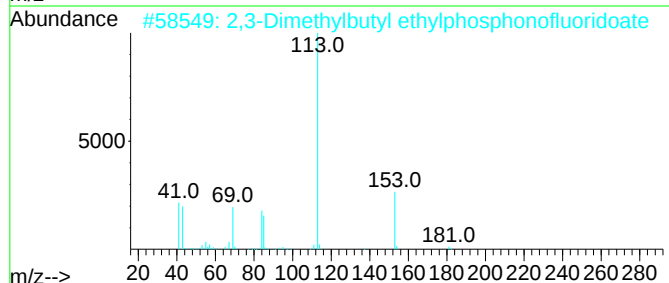
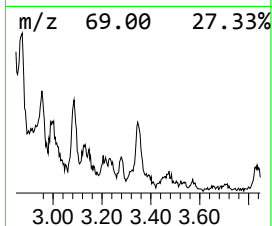
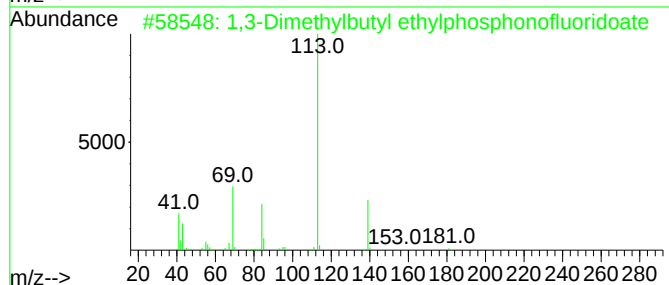
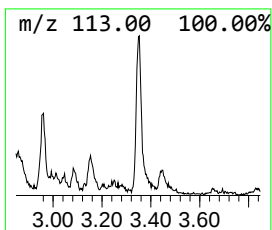
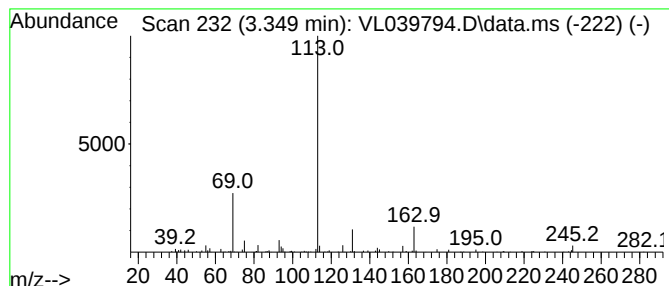
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL102422AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

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

Peak Number 7 unknown3.349 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.349	1.00 ppbv	455394	Bromochloromethane	5.201

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,3-Dimethylbutyl ethylphosphono...	196	C8H18FO2P	1000298-32-2	36
2			2,3-Dimethylbutyl ethylphosphono...	196	C8H18FO2P	1000298-33-7	36
3			Cyclohexyl ethylphosphonofluoridate	194	C8H16FO2P	007284-84-6	9
4			2-tert-Butylcyclohexyl ethylphos...	250	C12H24FO2P	1000298-41-0	9
5			1-Propene, 3-chloro-1,1,3,3-tetr...	148	C3HClF4	000406-46-2	9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102522\
Data File : VL039794.D
Acq On : 25 Oct 2022 19:13
Operator : SY/AP
Sample : N5227-13
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
M

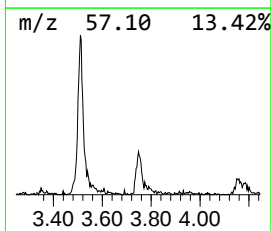
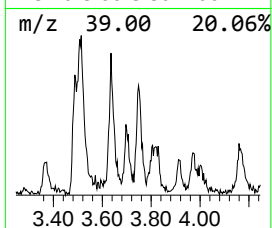
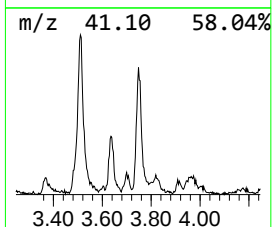
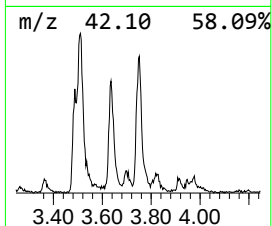
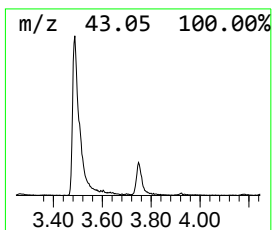
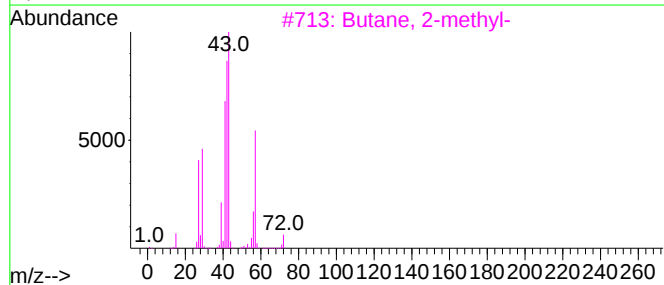
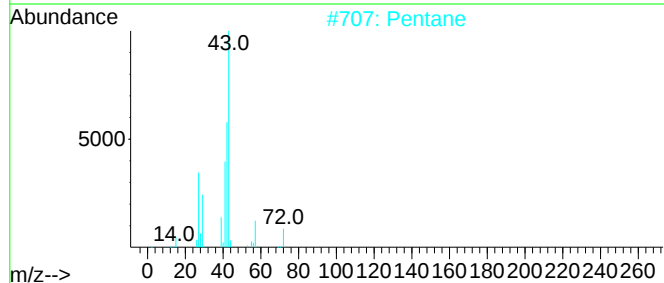
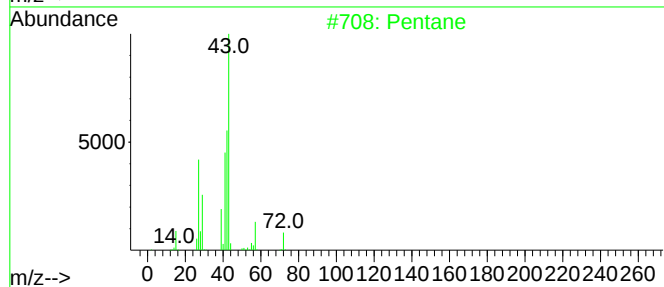
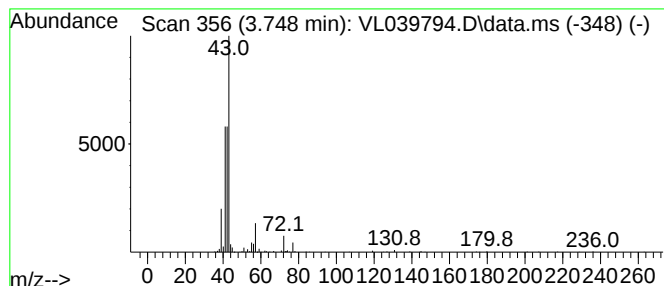
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL102422AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

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

Peak Number 8 Pentane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.748	1.05 ppbv	477817	Bromochloromethane	5.201

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	Butane, 2-methyl-	72	C5H12	000078-78-4	59
4	Butane, 2-methyl-	72	C5H12	000078-78-4	59
5	Pentane	72	C5H12	000109-66-0	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102522\
Data File : VL039794.D
Acq On : 25 Oct 2022 19:13
Operator : SY/AP
Sample : N5227-13
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
M

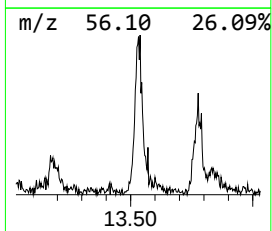
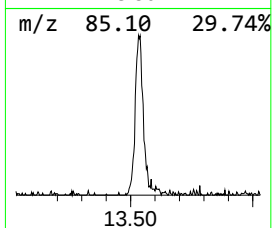
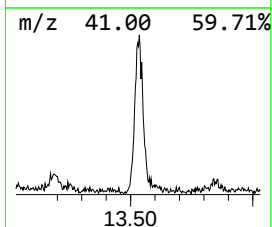
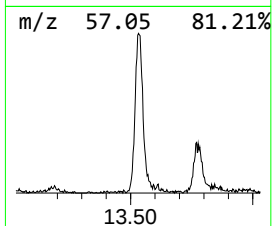
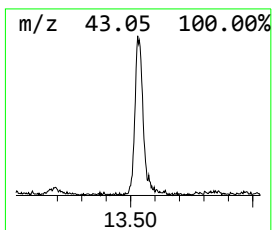
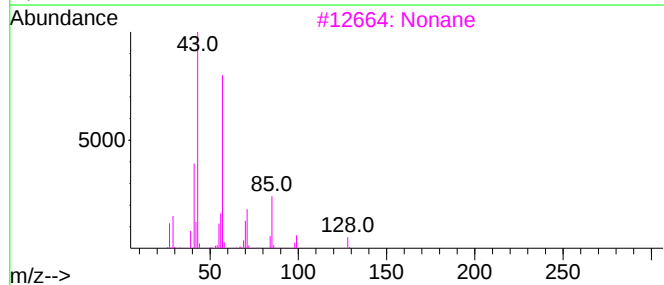
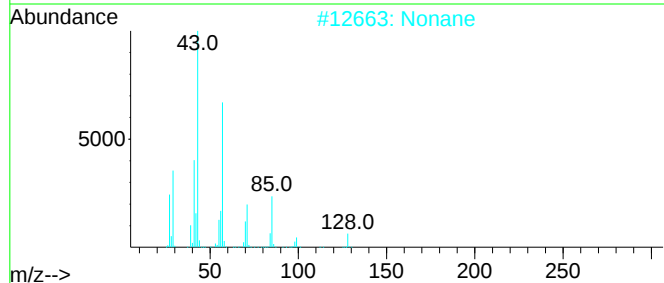
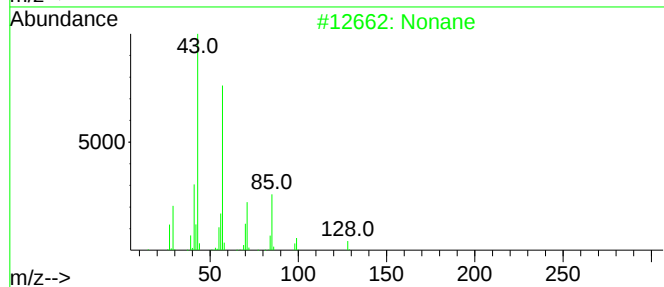
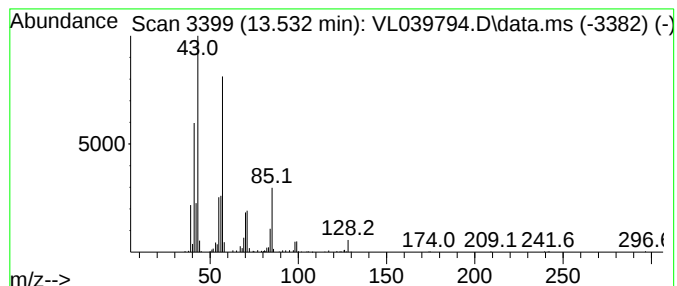
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL102422AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

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

Peak Number 9 Nonane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.532	1.32 ppbv	874486	Chlorobenzene-d5	11.468

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane			128	C9H20	000111-84-2	87
2	Nonane			128	C9H20	000111-84-2	83
3	Nonane			128	C9H20	000111-84-2	72
4	Decane, 1,1'-oxybis-			298	C20H42O	002456-28-2	59
5	Decane, 2,5,6-trimethyl-			184	C13H28	062108-23-0	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102522\
Data File : VL039794.D
Acq On : 25 Oct 2022 19:13
Operator : SY/AP
Sample : N5227-13
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
M

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL102422AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Hexane, 1,1,1,2...	2.803	4.2	ppbv	1896270	1	5.201	4543710	10.0
1-Propene, 2-me...	2.989	3.2	ppbv	1436240	1	5.201	4543710	10.0
unknown3.031	3.031	1.8	ppbv	826994	1	5.201	4543710	10.0
unknown3.349	3.349	1.0	ppbv	455394	1	5.201	4543710	10.0
Pentane	3.748	1.1	ppbv	477817	1	5.201	4543710	10.0
Nonane	13.532	1.3	ppbv	874486	3	11.468	6646590	10.0