LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102522\
Data File : VL039800.D
Acq On : 25 Oct 2022 23:19
Operator : SY/AP
Sample : N5227-09
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
I

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_LFri Aug 26 06:05:16 2022

Signal : TIC: VL039800.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	rBV2	9202138	11977477	100.00%	18.583%
2	2.690	24	27	29	rVV3	2358965	2159979	18.03%	3.351%
3	2.706	29	32	49	rVV3	2718468	4701049	39.25%	7.293%
4	2.803	49	62	65	rVV3	1793411	3106487	25.94%	4.820%
5	2.822	65	68	79	rVV	1874104	2625505	21.92%	4.073%
6	2.870	79	83	97	rVB5	325299	590734	4.93%	0.916%
7	2.954	102	109	114	rBV4	325833	387653	3.24%	0.601%
8	2.989	114	120	128	rBV5	712400	1204136	10.05%	1.868%
9	3.028	128	132	142	rVB	559474	768295	6.41%	1.192%
10	3.083	142	149	157	rVB2	367258	485812	4.06%	0.754%
11	3.128	157	163	167	rBV	139270	144471	1.21%	0.224%
12	3.153	167	171	182	rVB5	209420	280213	2.34%	0.435%
13	3.205	182	187	193	rBV4	138057	173980	1.45%	0.270%
14	3.276	201	209	217	rBV3	193501	260076	2.17%	0.403%
15	3.346	222	231	243	rBV	426697	661021	5.52%	1.026%
16	3.494	267	277	296	rVB2	461011	1199793	10.02%	1.861%
17	3.636	312	321	334	rBV	284336	445339	3.72%	0.691%
18	3.700	334	341	349	rVV3	78975	120873	1.01%	0.188%
19	3.748	349	356	367	rVV2	340672	501311	4.19%	0.778%
20	3.832	367	382	399	rVB5	290325	663138	5.54%	1.029%
21	4.002	431	435	451	rVB4	98187	143980	1.20%	0.223%
22	4.157	470	483	502	rBV7	305792	644556	5.38%	1.000%
23	4.571	601	612	621	rBV6	76709	146110	1.22%	0.227%
24	4.671	633	643	654	rVB5	95856	184321	1.54%	0.286%
25	5.012	732	749	761	rBV3	219564	461544	3.85%	0.716%
26	5.205	797	809	827	rBV	1666627	3649313	30.47%	5.662%
27	5.285	827	834	848	rVB5	102973	271128	2.26%	0.421%
28	6.375	1164	1173	1187	rVB3	241400	447053	3.73%	0.694%
29	6.658	1248	1261	1281	rBV	2883588	5835898	48.72%	9.054%
30	6.726	1281	1282	1299	rVB10	93319	148908	1.24%	0.231%
31	7.279	1440	1454	1465	rBV4	106868	220975	1.84%	0.343%
32	7.584	1539	1549	1565	rBV4	104436	228310	1.91%	0.354%
33	8.256	1745	1758	1767	rVB10	60893	126989	1.06%	0.197%
34	9.224	2045	2059	2075	rBV2	262909	561814	4.69%	0.872%
35	10.147	2332	2346	2363	rBV5	333292	743374	6.21%	1.153%
36	10.497	2440	2455	2475	rBV5	112630	279747	2.34%	0.434%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102522\
Data File : VL039800.D
Acq On : 25 Oct 2022 23:19
Operator : SY/AP
Sample : N5227-09
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
I

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_LFri Aug 26 06:05:16 2022

37	11.121	2638	2649	2660	rVB5	47394	134309	1.12%	0.208%
38	11.468	2737	2757	2784	rBV2	2882697	6941976	57.96%	10.770%
39	12.352	3019	3032	3038	rBV6	63984	147222	1.23%	0.228%
40	13.532	3385	3399	3412	rBV4	209029	492256	4.11%	0.764%
41	13.777	3455	3475	3507	rBV2	2815698	7252622	60.55%	11.252%
42	15.474	3995	4003	4017	rVB9	70106	158046	1.32%	0.245%
43	15.680	4052	4067	4074	rBV9	51211	120286	1.00%	0.187%
44	16.375	4268	4283	4284	rBV2	96754	144621	1.21%	0.224%
45	16.478	4300	4315	4332	rBV5	238007	577768	4.82%	0.896%
46	17.188	4524	4536	4538	rBV5	77331	126150	1.05%	0.196%
47	19.259	5163	5180	5192	rBV4	194278	459085	3.83%	0.712%
48	19.854	5352	5365	5378	rBV4	89158	214958	1.79%	0.333%
49	21.384	5824	5841	5842	rBV10	144472	228510	1.91%	0.355%
50	21.410	5848	5849	5865	rVB10	110991	157744	1.32%	0.245%
51	21.793	5966	5968	5983	rVB10	126053	209733	1.75%	0.325%
52	22.014	6023	6037	6038	rBV9	78658	131135	1.09%	0.203%
53	23.397	6456	6467	6475	rBV9	76358	168343	1.41%	0.261%
54	24.542	6812	6823	6834	rBV9	105402	239369	2.00%	0.371%

Sum of corrected areas: 64455495

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102522\
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Acq On : 25 Oct 2022 23:19
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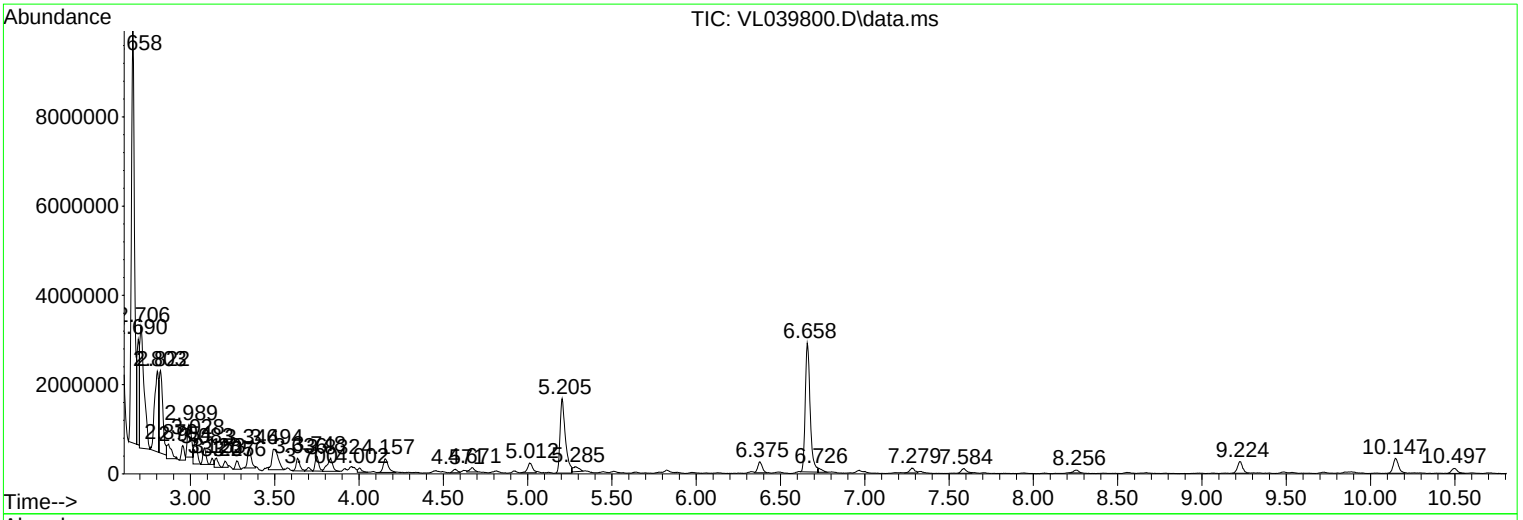
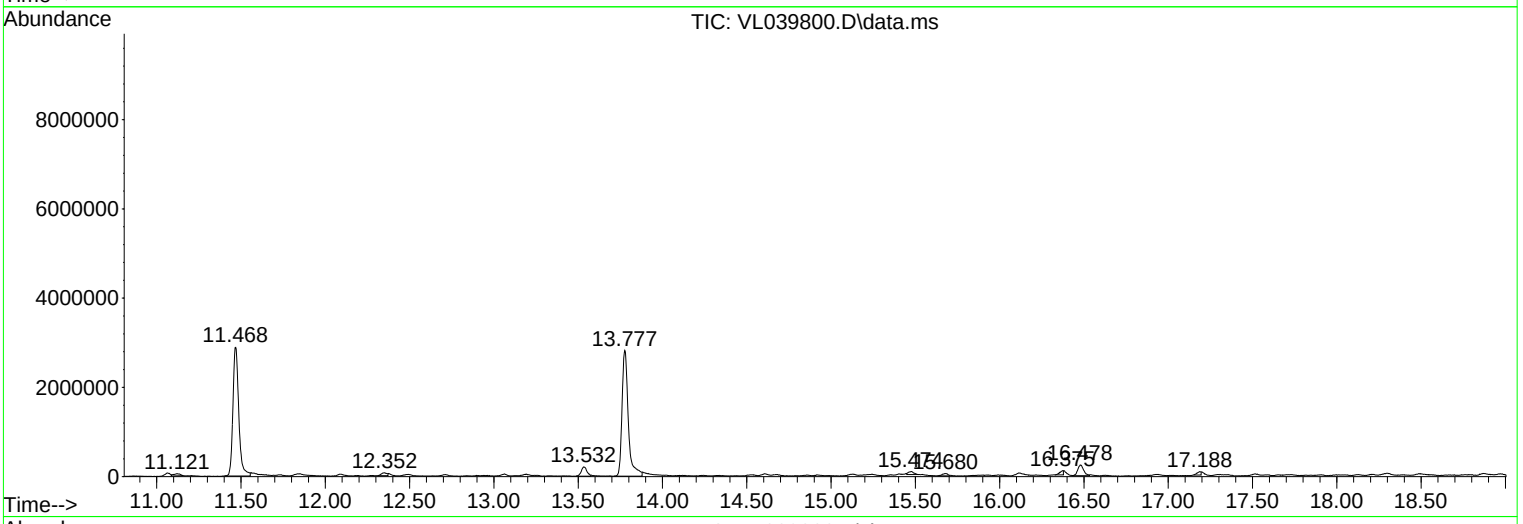
Sample : N5227-09
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

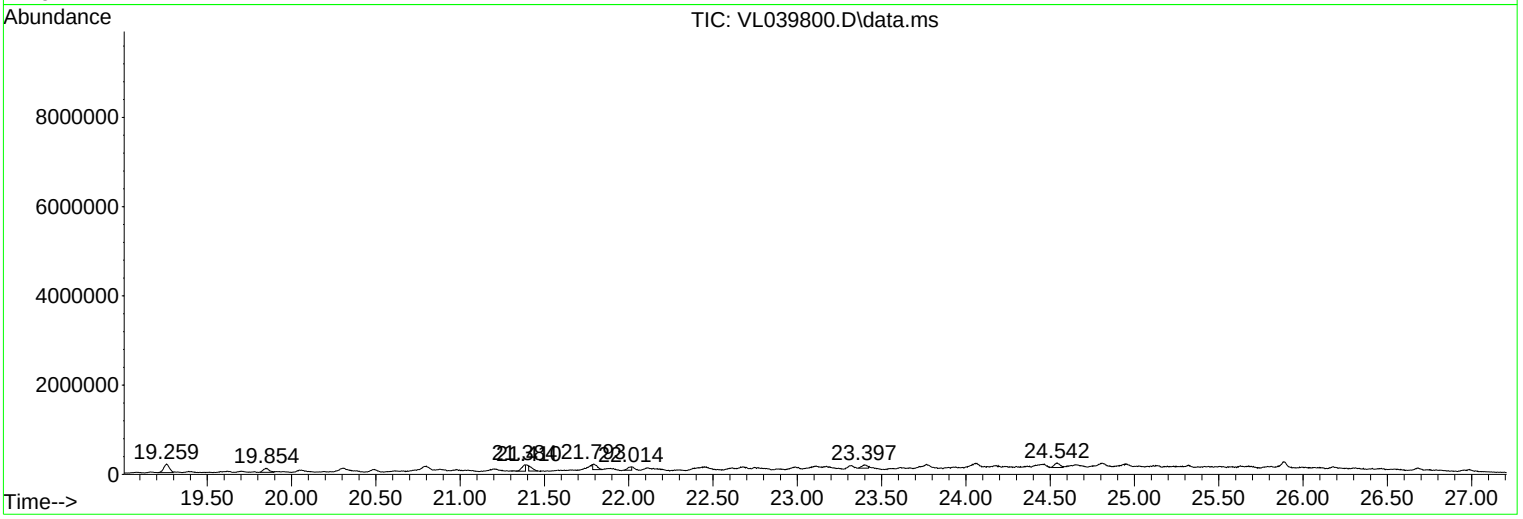
Instrument :
MSVOA_L
ClientSampleId :
I

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL102422AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri 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 : VL039800.D
Acq On : 25 Oct 2022 23:19
Operator : SY/AP
Sample : N5227-09
Misc : 400mL/MSVOA_L
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Instrument :
MSVOA_L
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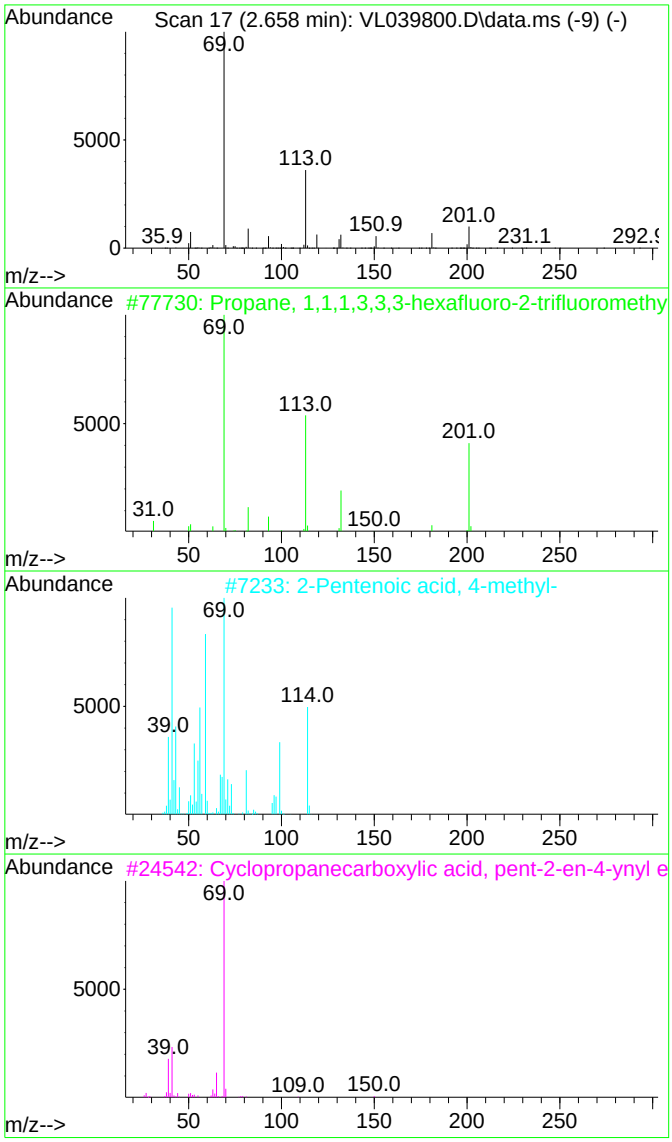
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL102422AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

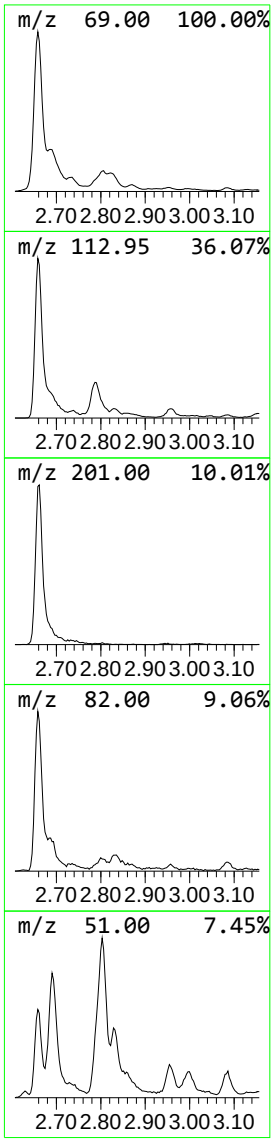
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 unknown2.658 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.658	32.82 ppbv	11977500	Bromochloromethane	5.205

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1,1,1,3,3,3-hexafluoro-...	220	C4HF9	000382-24-1	45
2	2-Pentenoic acid, 4-methyl-	114	C6H10O2	010321-71-8	5
3	Cyclopropanecarboxylic acid, pen...	150	C9H10O2	1000299-37-5	4
4	1,1,1,2,3,3,3-Heptafluoro-2-meth...	200	C4H3F7O	1000322-37-6	4
5	1-Butene, 1,3,3,4,4,4-pentafluor...	214	C6F6N2	1000226-70-7	4





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102522\
Data File : VL039800.D
Acq On : 25 Oct 2022 23:19
Operator : SY/AP
Sample : N5227-09
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
I

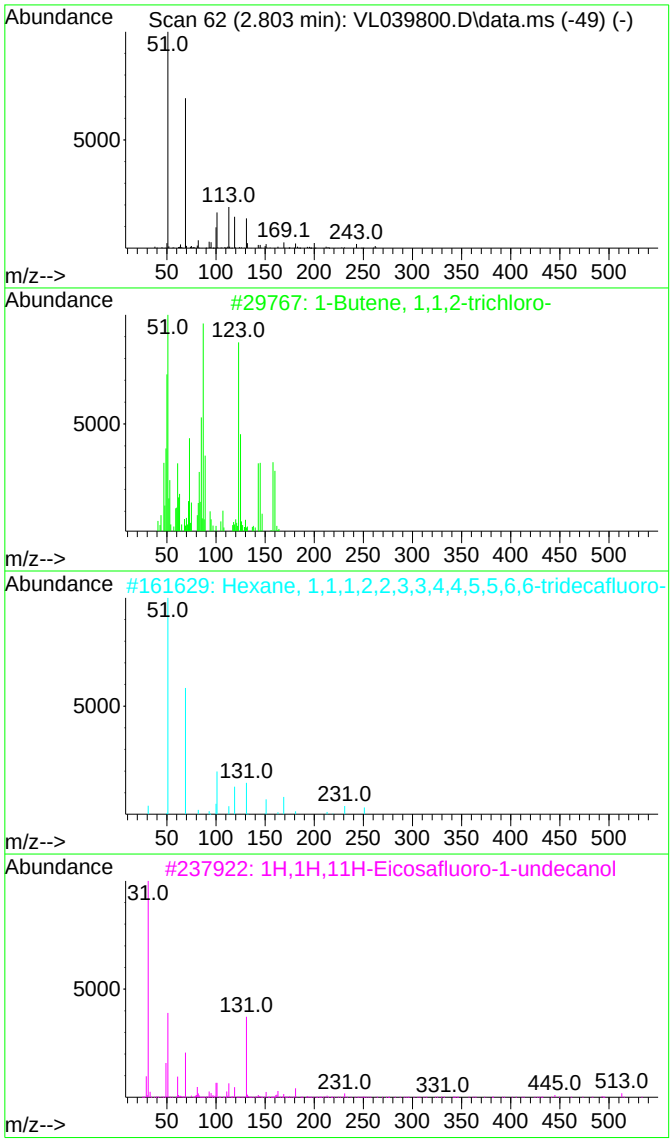
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL102422AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

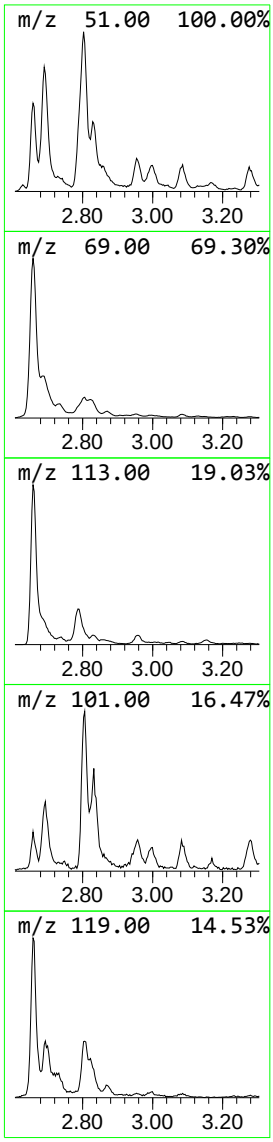
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 1-Butene, 1,1,2-trichloro- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.803	8.51 ppbv	3106490	Bromochloromethane	5.205

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butene, 1,1,2-trichloro-	158	C4H5Cl3	042860-89-9	64
2	Hexane, 1,1,1,2,2,3,3,4,4,5,5,6,...	320	C6HF13	000355-37-3	64
3	1H,1H,11H-Eicosafluoro-1-undecanol	532	C11H4F20O	000307-70-0	9
4	2,2,3,3,4,4,5,5-Octafluoropentanal	230	C5H2F8O	002648-47-7	9
5	Ethanol, 2,2,2-trifluoro-	100	C2H3F3O	000075-89-8	4





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102522\
Data File : VL039800.D
Acq On : 25 Oct 2022 23:19
Operator : SY/AP
Sample : N5227-09
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
I

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

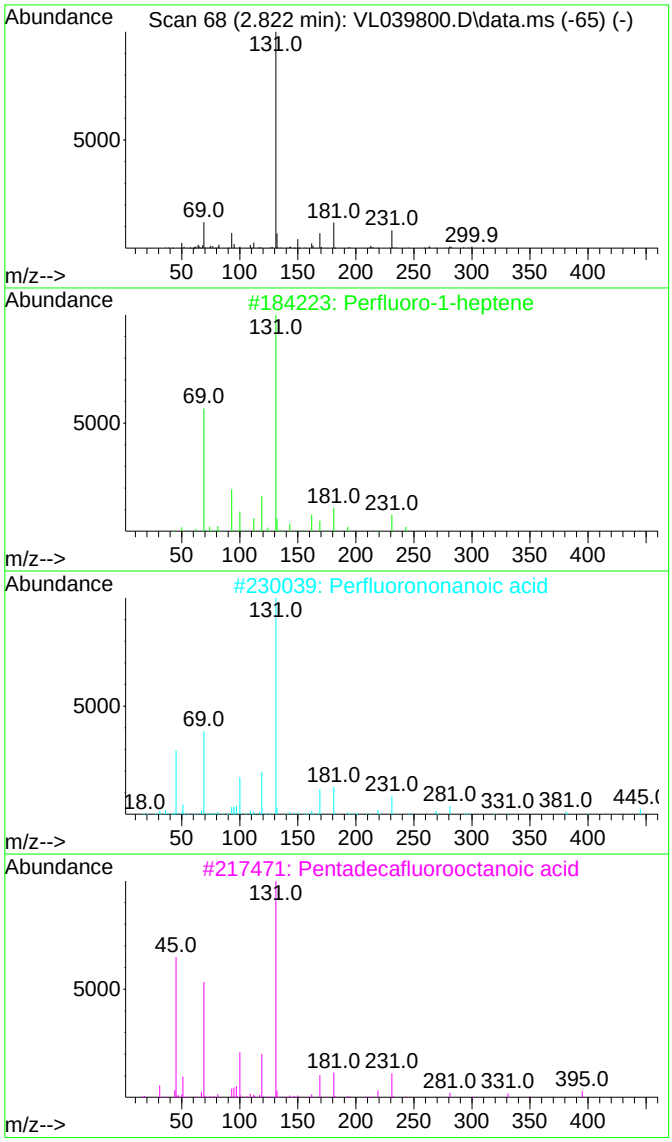
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

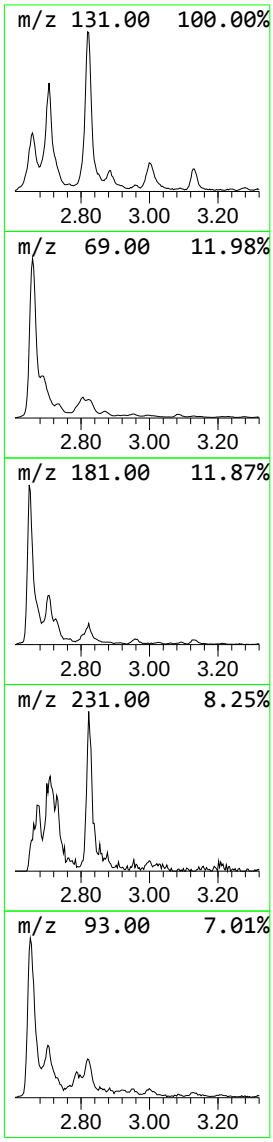
****

Peak Number 3 Perfluoro-1-heptene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.822	7.19 ppbv	2625510	Bromochloromethane	5.205

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perfluoro-1-heptene	350	C7F14	000355-63-5	64
2	Perfluorononanoic acid	464	C9HF17O2	000375-95-1	40
3	Pentadecafluorooctanoic acid	414	C8HF15O2	000335-67-1	39
4	Dodecanoic acid, tricosafluoro-	614	C12HF23O2	000307-55-1	39
5	Pentadecafluorooctanoic acid	414	C8HF15O2	000335-67-1	36





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102522\
Data File : VL039800.D
Acq On : 25 Oct 2022 23:19
Operator : SY/AP
Sample : N5227-09
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
I

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

TIC Library : C:\DATABASE\NIST11.L
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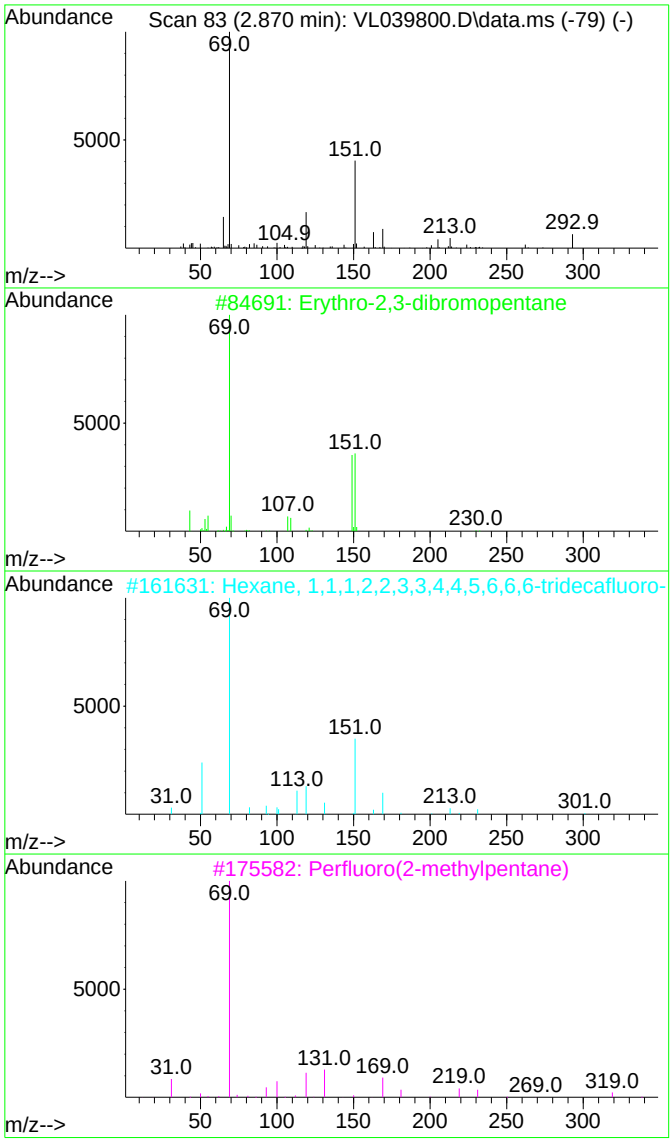
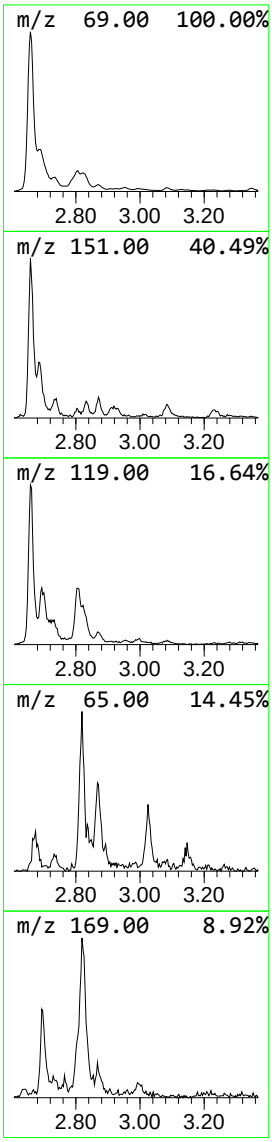
****

Peak Number 4 unknown2.870 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.870	1.62 ppbv	590734	Bromochloromethane	5.205

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Erythro-2,3-dibromopentane	228	C5H10Br2	022415-74-3	45
2	Hexane, 1,1,1,2,2,3,3,4,4,5,6,6,...	320	C6HF13	001998-54-5	40
3	Perfluoro(2-methylpentane)	338	C6F14	000355-04-4	9
4	Hexane, tetradecafluoro-	338	C6F14	000355-42-0	9
5	Pentane, 2,4-dibromo-	228	C5H10Br2	019398-53-9	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102522\
Data File : VL039800.D
Acq On : 25 Oct 2022 23:19
Operator : SY/AP
Sample : N5227-09
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

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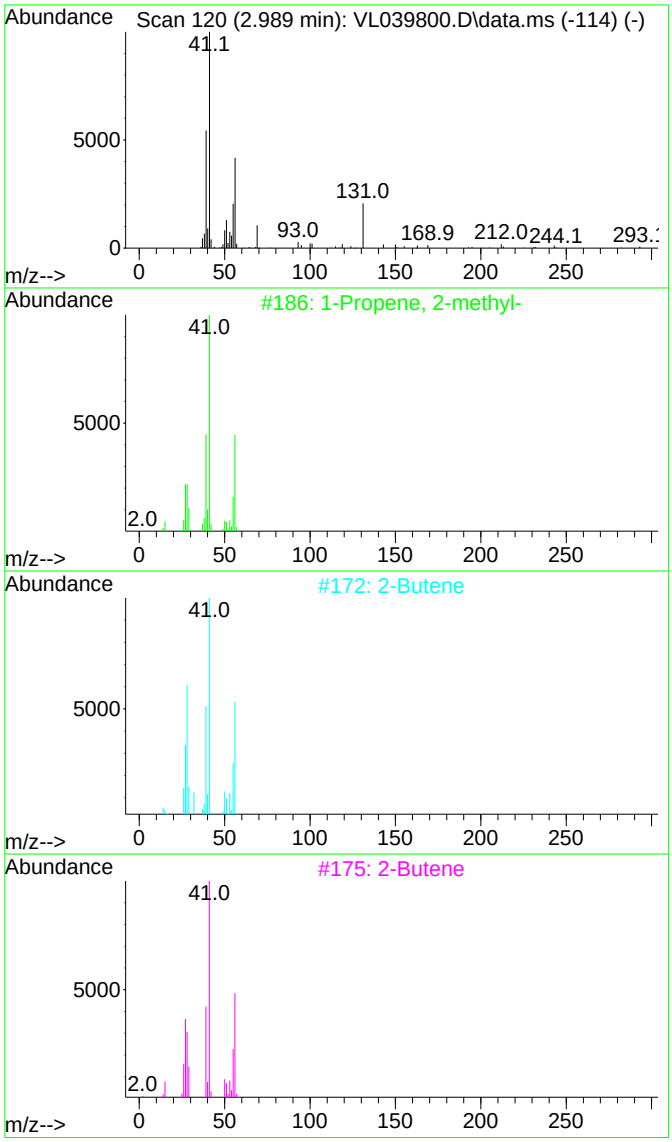
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL102422AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

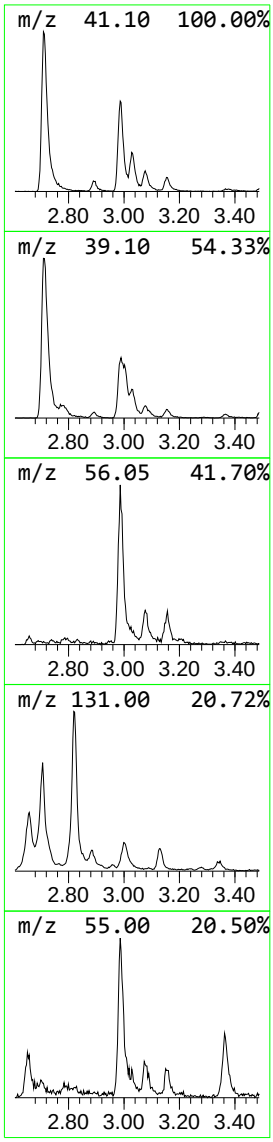
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 1-Propene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.989	3.30 ppbv	1204140	Bromochloromethane	5.205

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propene, 2-methyl-	56	C4H8	000115-11-7	62
2	2-Butene	56	C4H8	000107-01-7	58
3	2-Butene	56	C4H8	000107-01-7	52
4	1-Propene, 2-methyl-	56	C4H8	000115-11-7	52
5	2-Butene, (Z)-	56	C4H8	000590-18-1	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102522\
Data File : VL039800.D
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Operator : SY/AP
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Instrument :
MSVOA_L
ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL102422AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

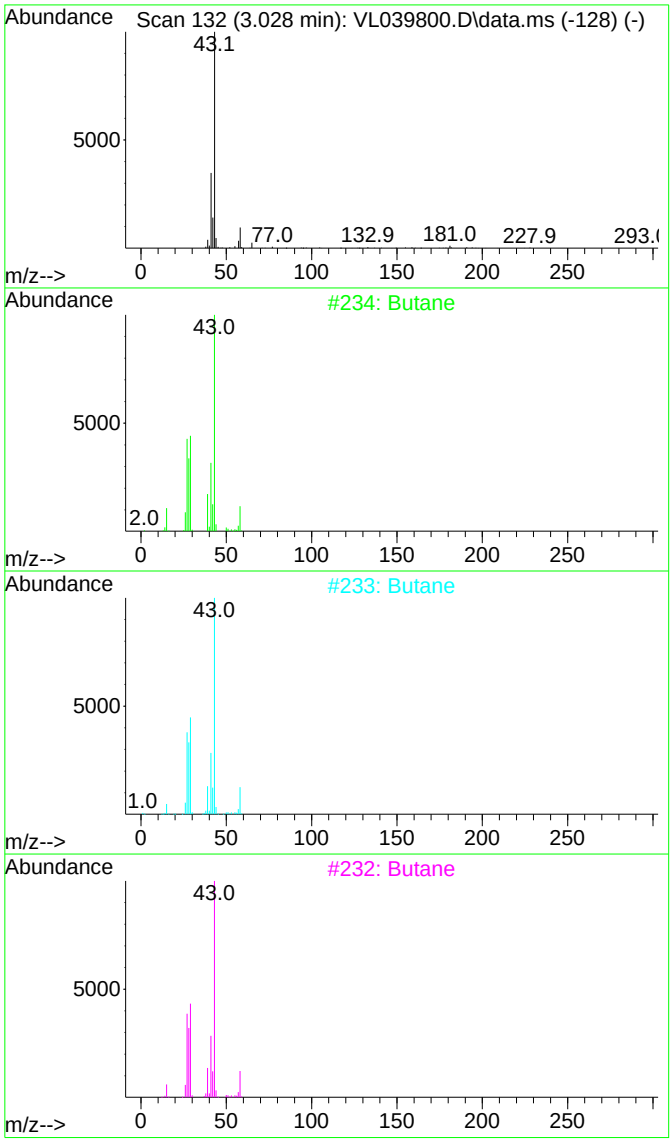
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

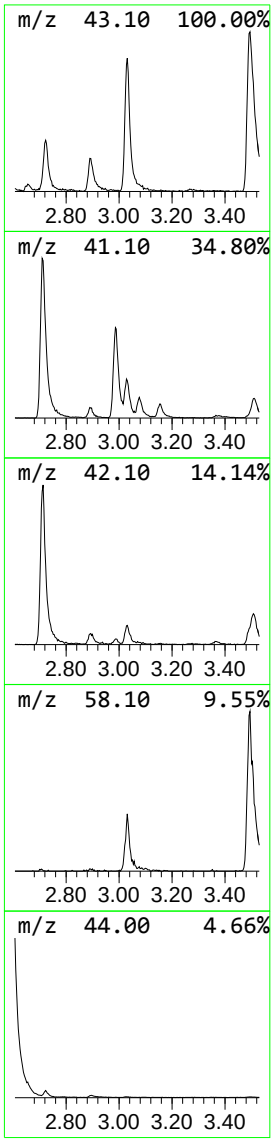
****

Peak Number 6 Butane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.028	2.11 ppbv	768295	Bromochloromethane	5.205

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane	58	C4H10	000106-97-8	64
2	Butane	58	C4H10	000106-97-8	50
3	Butane	58	C4H10	000106-97-8	9
4	Diazene, dimethyl-	58	C2H6N2	000503-28-6	4
5	(R)-(+)-2,2,2-Trifluoro-N-(3-pyr...	182	C6H9F3N2O	084424-06-6	4





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102522\
Data File : VL039800.D
Acq On : 25 Oct 2022 23:19
Operator : SY/AP
Sample : N5227-09
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
I

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

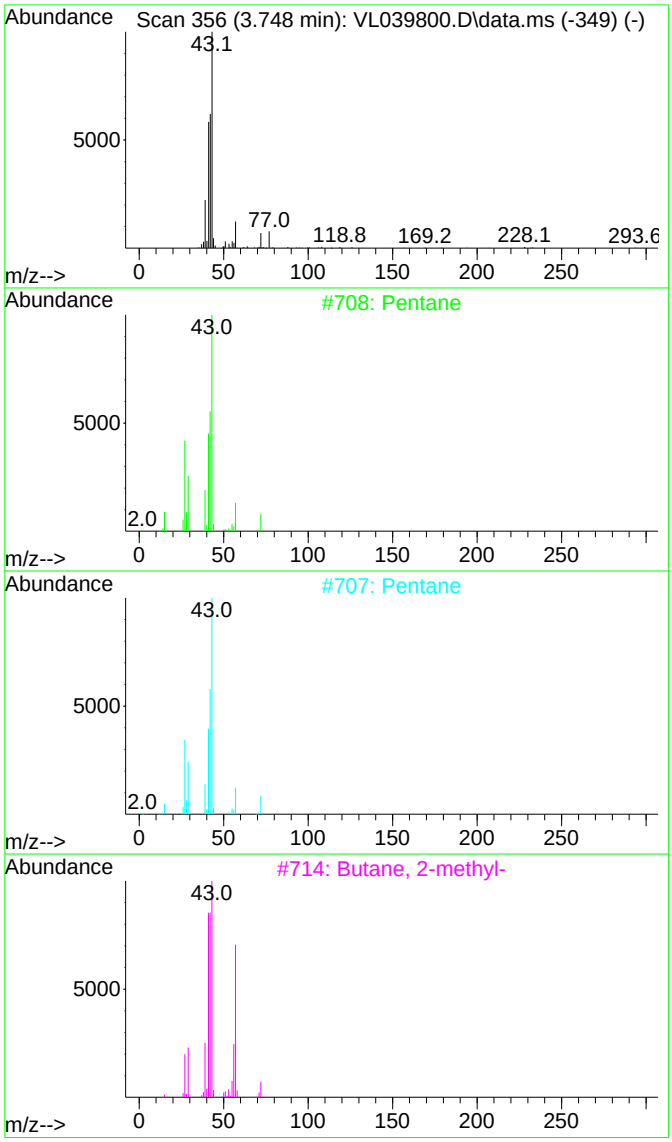
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

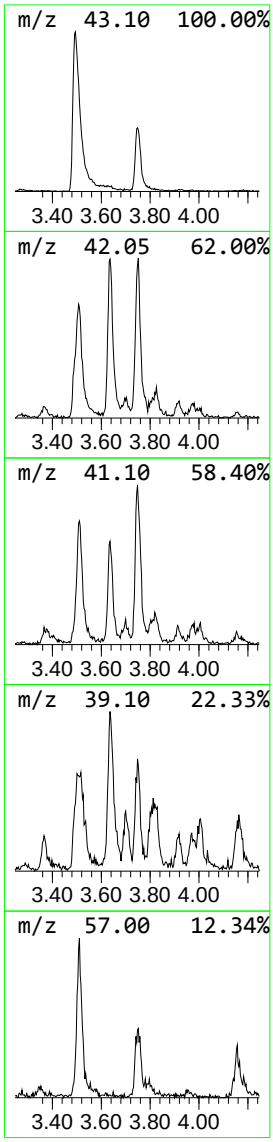
****

Peak Number 8 Pentane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.748	1.37 ppbv	501311	Bromochloromethane	5.205

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	80
2	Pentane	72	C5H12	000109-66-0	72
3	Butane, 2-methyl-	72	C5H12	000078-78-4	45
4	Butane, 2-methyl-	72	C5H12	000078-78-4	40
5	Pentane	72	C5H12	000109-66-0	32





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102522\
Data File : VL039800.D
Acq On : 25 Oct 2022 23:19
Operator : SY/AP
Sample : N5227-09
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
I

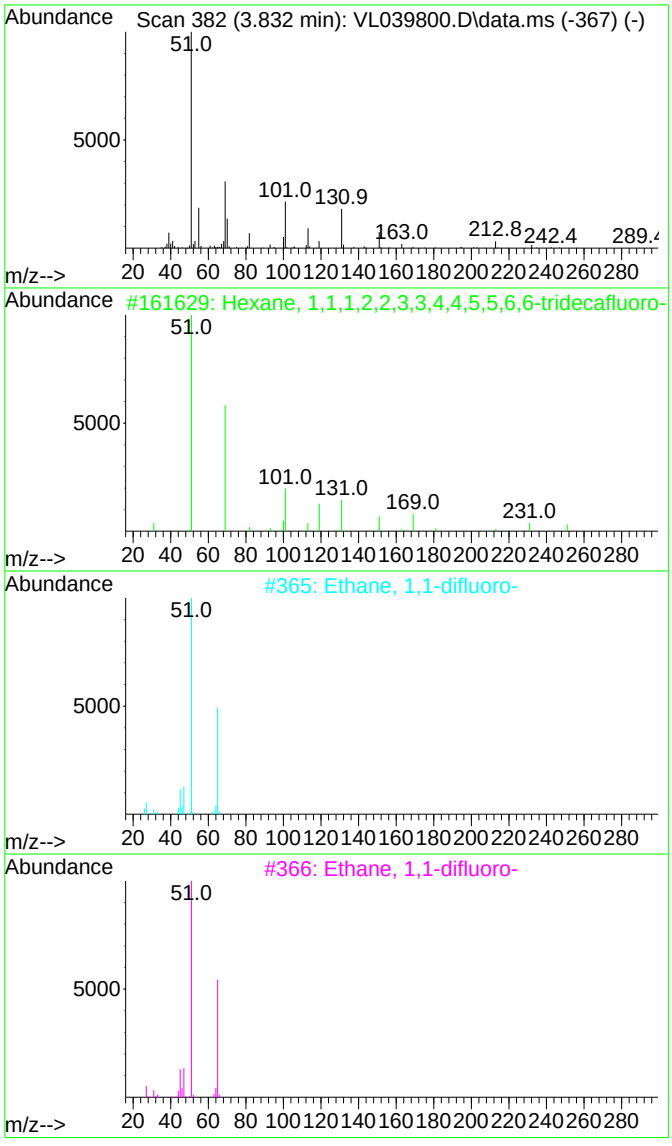
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL102422AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

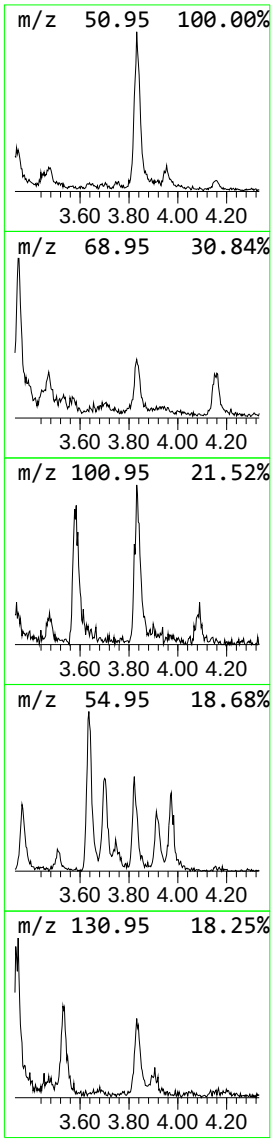
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Hexane, 1,1,1,2,2,3,3,4,4,5... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.832	1.82 ppbv	663138	Bromochloromethane	5.205

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	74
2	Ethane, 1,1-difluoro-	66	C2H4F2	000075-37-6	7
3	Ethane, 1,1-difluoro-	66	C2H4F2	000075-37-6	7
4	Ethane, 1,1-difluoro-	66	C2H4F2	000075-37-6	5
5	2,2,3,3,4,4,5,5-Octafluoropentanal	230	C5H2F8O	002648-47-7	4





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102522\
Data File : VL039800.D
Acq On : 25 Oct 2022 23:19
Operator : SY/AP
Sample : N5227-09
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
I

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

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown2.658	2.658	32.8	ppbv	11977500	1	5.205	3649310	10.0
1-Butene, 1,1,2...	2.803	8.5	ppbv	3106490	1	5.205	3649310	10.0
Perfluoro-1-hep...	2.822	7.2	ppbv	2625510	1	5.205	3649310	10.0
unknown2.870	2.870	1.6	ppbv	590734	1	5.205	3649310	10.0
1-Propene, 2-me...	2.989	3.3	ppbv	1204140	1	5.205	3649310	10.0
Butane	3.028	2.1	ppbv	768295	1	5.205	3649310	10.0
Pentane	3.748	1.4	ppbv	501311	1	5.205	3649310	10.0
Hexane, 1,1,1,2...	3.832	1.8	ppbv	663138	1	5.205	3649310	10.0