

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092921\
 Data File : VL037731.D
 Acq On : 29 Sep 2021 14:39
 Operator : SY/AP
 Sample : VL0929SBS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0929ABS01

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

Min Area: 1 % of largest Peak

Start Thrs: 0.001

Max Peaks: 200

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\VL091621AIR.M

Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021

Signal : TIC: VL037731.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.877	16	28	53	rBV	2744158	5648638	19.91%	0.969%
2	3.012	66	70	77	rVB	1459613	1801296	6.35%	0.309%
3	3.051	77	82	102	rVB	1947842	3265642	11.51%	0.560%
4	3.147	102	112	118	rBV	832016	1332213	4.69%	0.228%
5	3.192	118	126	141	rBV2	3938032	5855448	20.63%	1.004%
6	3.259	141	147	157	rVB	766692	1082013	3.81%	0.186%
7	3.330	157	169	190	rVB3	1646656	3257507	11.48%	0.559%
8	3.475	205	214	232	rBV2	700133	1263304	4.45%	0.217%
9	3.562	232	241	250	rBV2	362211	578526	2.04%	0.099%
10	3.742	282	297	307	rBV4	1113821	2240268	7.89%	0.384%
11	3.787	307	311	322	rVV2	292909	495694	1.75%	0.085%
12	3.851	322	331	349	rVB	861594	1508456	5.32%	0.259%
13	3.954	351	363	383	rBV3	2782325	5614847	19.79%	0.963%
14	4.089	393	405	427	rVB3	441516	942057	3.32%	0.162%
15	4.288	450	467	478	rBV4	3098774	6559318	23.11%	1.125%
16	4.346	478	485	498	rVV	1570338	3171711	11.18%	0.544%
17	4.414	498	506	518	rVV	1649818	3063460	10.80%	0.525%
18	4.488	518	529	542	rVV2	3426776	7023251	24.75%	1.204%
19	4.549	542	548	569	rVV	1221615	2577656	9.08%	0.442%
20	4.645	569	578	594	rVB4	256607	533084	1.88%	0.091%
21	4.890	641	654	681	rBV3	1819459	3663294	12.91%	0.628%
22	5.031	681	698	706	rVV4	2025969	5626009	19.83%	0.965%
23	5.073	706	711	735	rVB	1435076	2889395	10.18%	0.496%
24	5.247	753	765	789	rBV	1142727	2396240	8.44%	0.411%
25	5.549	844	859	884	rBV2	2381280	5001105	17.62%	0.858%
26	5.681	884	900	913	rVV4	5881737	15244096	53.72%	2.614%
27	5.755	913	923	949	rVB	2994254	7015863	24.72%	1.203%
28	6.054	1005	1016	1038	rBV2	1193844	2690040	9.48%	0.461%
29	6.308	1081	1095	1114	rBV	1792847	3813539	13.44%	0.654%
30	6.513	1142	1159	1194	rBV2	3163473	7263959	25.60%	1.246%
31	6.893	1263	1277	1300	rBV3	3600238	7792780	27.46%	1.336%
32	7.018	1303	1316	1335	rVV	3373404	7623969	26.87%	1.308%
33	7.131	1337	1351	1358	rVV	3691732	7790428	27.45%	1.336%
34	7.176	1358	1365	1396	rVB	4510538	9835371	34.66%	1.687%
35	7.616	1485	1502	1530	rBV3	3098828	7022423	24.75%	1.204%
36	7.793	1539	1557	1563	rBV2	3247066	6680250	23.54%	1.146%

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37	7.867	1563	1580	1611	rVV5	5642124	22404710	78.95%	3.842%
38	8.015	1611	1626	1646	rVV2	2937808	6545483	23.07%	1.123%
39	8.124	1646	1660	1690	rVB2	4413230	9968590	35.13%	1.710%
40	8.703	1822	1840	1845	rBV	2083106	3898974	13.74%	0.669%

41	8.742	1845	1852	1891	rVB2	2543586	6409896	22.59%	1.099%
42	9.279	2001	2019	2043	rBV3	1507014	3317903	11.69%	0.569%
43	9.475	2060	2080	2105	rBV2	3421409	7869108	27.73%	1.350%
44	9.806	2165	2183	2209	rBV2	4457062	10264990	36.17%	1.760%
45	10.137	2271	2286	2314	rBV3	1093770	2773772	9.77%	0.476%

46	10.304	2320	2338	2357	rBV3	3175258	7321505	25.80%	1.256%
47	10.610	2417	2433	2459	rBV	2093731	4952271	17.45%	0.849%
48	11.224	2604	2624	2648	rBV2	4508507	10544235	37.16%	1.808%
49	12.086	2868	2892	2898	rBV2	4688499	10710845	37.74%	1.837%
50	12.134	2898	2907	2938	rVB3	6348719	18911589	66.64%	3.243%

51	12.709	3068	3086	3108	rBV2	4911881	12006377	42.31%	2.059%
52	12.970	3150	3167	3169	rBV	5319945	9775026	34.45%	1.676%
53	12.995	3169	3175	3184	rVV2	5521695	13172060	46.42%	2.259%
54	13.037	3184	3188	3214	rVB2	2988417	6214327	21.90%	1.066%
55	13.526	3324	3340	3361	rBV2	3245246	7828422	27.59%	1.343%

56	13.684	3366	3389	3424	rVB3	7113974	20416253	71.94%	3.501%
57	14.285	3561	3576	3589	rBV4	396006	864661	3.05%	0.148%
58	14.413	3595	3616	3640	rBV2	4633764	11648438	41.05%	1.998%
59	14.664	3674	3694	3717	rBV	5508945	14002735	49.34%	2.401%
60	14.809	3731	3739	3757	rVB5	144381	355046	1.25%	0.061%

61	15.449	3920	3938	3957	rBV3	4704150	11685600	41.18%	2.004%
62	15.558	3957	3972	4015	rVB2	5485100	14305679	50.41%	2.453%
63	15.767	4024	4037	4043	rBV2	193864	415512	1.46%	0.071%
64	15.838	4043	4059	4091	rVB	5013619	12303275	43.36%	2.110%
65	15.995	4091	4108	4129	rBV2	5144962	12464246	43.92%	2.138%

66	16.748	4319	4342	4376	rBV5	9467371	28377898	100.00%	4.867%
67	16.992	4394	4418	4445	rBV3	5045937	12831167	45.22%	2.201%
68	17.134	4445	4462	4491	rVV	4607419	11431501	40.28%	1.960%
69	17.291	4491	4511	4541	rVB2	6359929	16196115	57.07%	2.778%
70	17.651	4604	4623	4646	rBV	6572568	16183868	57.03%	2.776%

71	17.815	4653	4674	4702	rBV2	4403844	11054516	38.95%	1.896%
72	18.410	4841	4859	4873	rBV5	103541	300015	1.06%	0.051%
73	18.545	4879	4901	4927	rBV	6210117	15447752	54.44%	2.649%
74	21.918	5925	5950	5974	rBV3	3699318	10968301	38.65%	1.881%
75	22.188	6013	6034	6055	rBV2	2331855	6823297	24.04%	1.170%

76	23.368	6378	6401	6426	rBV4	6545507	17208002	60.64%	2.951%
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Instrument :
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Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.001 Max Peaks: 200
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\VL091621AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021

77 24.966 6885 6898 6917 rBV2 1265781 2755709 9.71% 0.473%

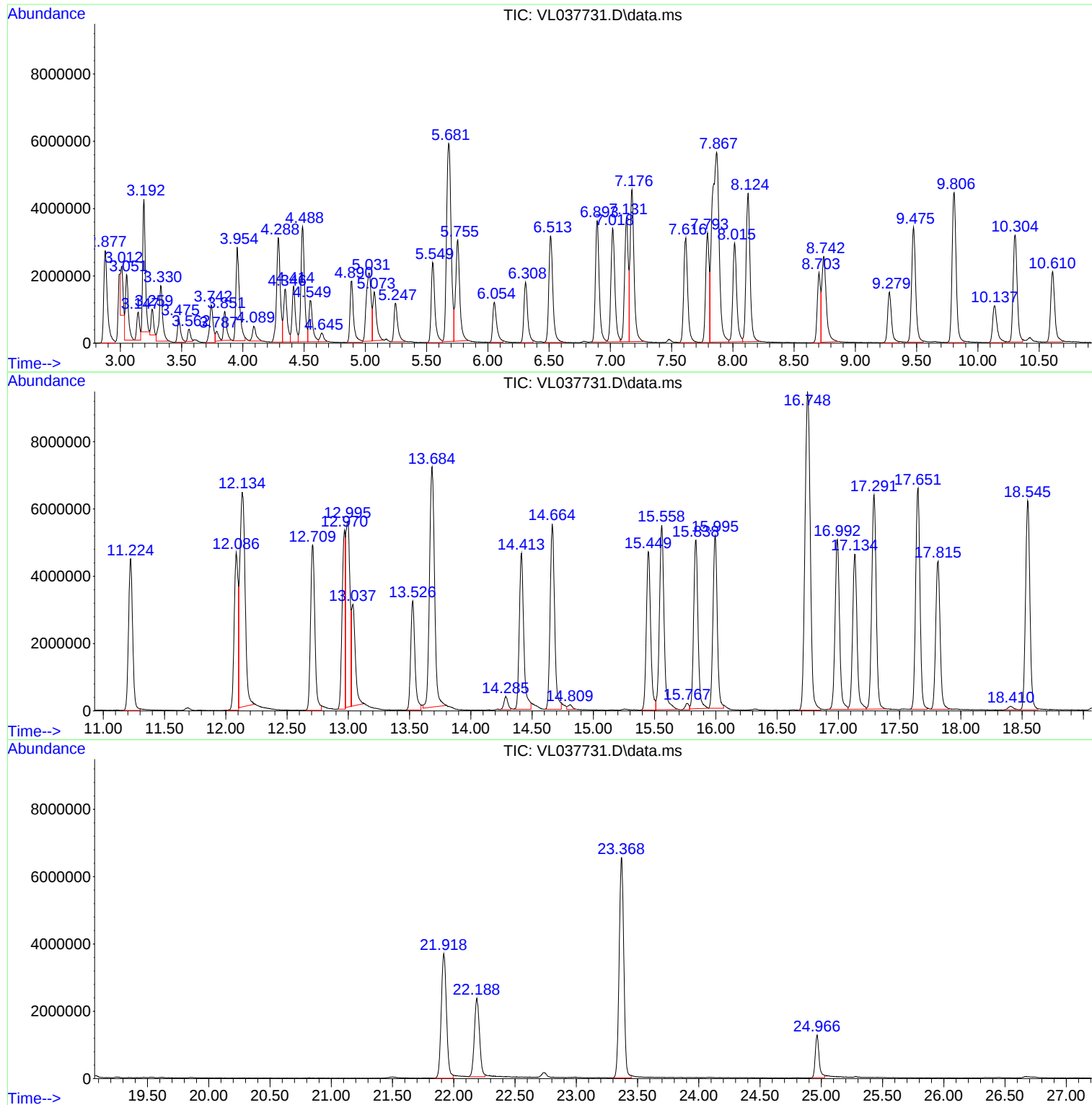
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021

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



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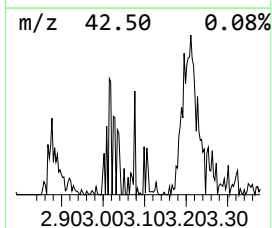
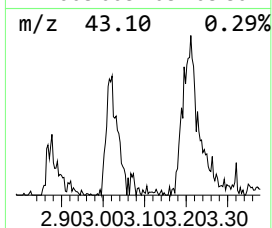
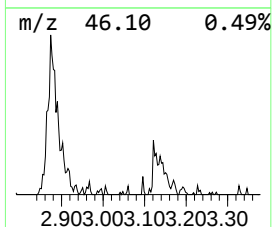
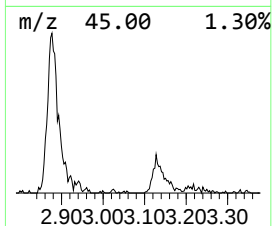
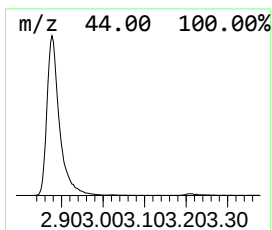
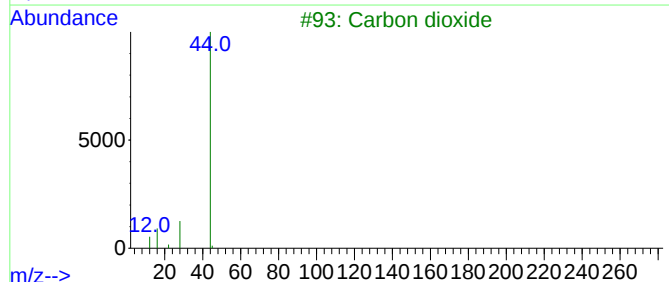
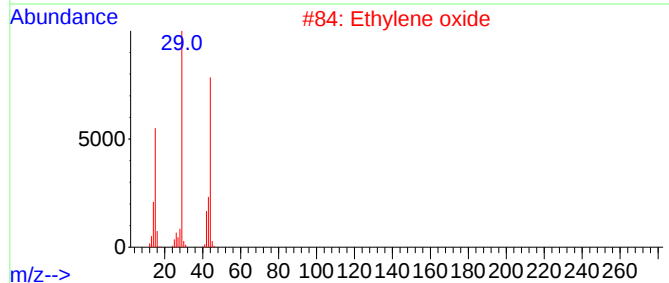
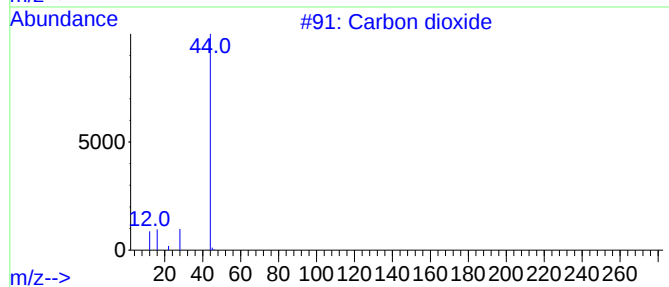
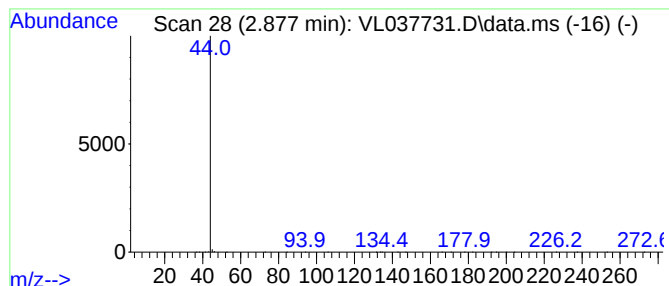
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021

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

Peak Number 1 Carbon dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.877	3.71 ppbv	5648640	Bromochloromethane	5.668

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Carbon dioxide	44	CO2	000124-38-9	4
2			Ethylene oxide	44	C2H4O	000075-21-8	3
3			Carbon dioxide	44	CO2	000124-38-9	3
4			Carbon dioxide	44	CO2	000124-38-9	3
5			Nitrous oxide	44	N2O	010024-97-2	3



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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Carbon dioxide	2.877	3.7	ppbv	5648640	1	5.668	15244100	10.0