Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042365.D
Acq On : 17 Apr 2025 19:31
Operator : SY/MD
Sample : Q1668-02
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B1-2-3252025

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\VL041725AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

Signal : TIC: VL042365.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.431	410	415	420	rBV	4141908	4695063	100.00%	16.122%
2	1.557	449	454	460	rBV	281816	152999	3.26%	0.525%
3	1.619	470	473	477	rVB	103865	55858	1.19%	0.192%
4	1.719	500	504	509	rBV	596794	352833	7.51%	1.212%
5	1.842	535	542	547	rVB2	250749	255734	5.45%	0.878%
6	1.884	549	555	560	rBV	92879	75702	1.61%	0.260%
7	1.962	575	579	584	rVB	116793	74687	1.59%	0.256%
8	2.473	732	737	744	rVB2	96982	95814	2.04%	0.329%
9	2.622	777	783	792	rVB2	64381	70818	1.51%	0.243%
10	2.787	826	834	840	rBV	435768	454320	9.68%	1.560%
11	2.826	840	846	859	rVB2	211668	240759	5.13%	0.827%
12	3.227	962	970	980	rVB2	54239	74605	1.59%	0.256%
13	3.855	1153	1164	1175	rBV3	61345	99575	2.12%	0.342%
14	3.956	1182	1195	1209	rBV2	554957	910647	19.40%	3.127%
15	4.050	1212	1224	1233	rVV2	117128	221708	4.72%	0.761%
16	4.095	1233	1238	1249	rVB4	50648	78154	1.66%	0.268%
17	4.266	1276	1291	1304	rVB3	144740	277896	5.92%	0.954%
18	4.522	1356	1370	1376	rBV9	21328	48449	1.03%	0.166%
19	4.978	1497	1511	1525	rVB5	67437	146959	3.13%	0.505%
20	5.665	1701	1723	1737	rBV4	50324	131187	2.79%	0.450%
21	5.746	1737	1748	1771	rBV3	556848	1392302	29.65%	4.781%
22	6.930	2100	2114	2133	rBV2	90218	183785	3.91%	0.631%
23	7.691	2336	2349	2361	rVB6	40493	82301	1.75%	0.283%
24	8.302	2519	2538	2554	rVB8	45108	125963	2.68%	0.433%
25	8.879	2701	2716	2727	rBV	755041	1135538	24.19%	3.899%
26	8.979	2740	2747	2762	rVB9	41756	83444	1.78%	0.287%
27	9.147	2790	2799	2810	rVB4	44198	66685	1.42%	0.229%
28	9.354	2852	2863	2876	rBV	103726	168110	3.58%	0.577%
29	9.529	2907	2917	2935	rVB3	490845	854946	18.21%	2.936%
30	9.630	2940	2948	2964	rVV	127446	214582	4.57%	0.737%
31	9.730	2964	2979	2990	rVB6	87260	206864	4.41%	0.710%
32	9.859	3004	3019	3029	rBV4	113741	189758	4.04%	0.652%
33	9.960	3037	3050	3072	rVB2	253251	453620	9.66%	1.558%
34	10.099	3087	3093	3101	rVB4	50465	72865	1.55%	0.250%
35	10.374	3156	3178	3188	rBV2	942848	1390355	29.61%	4.774%
36	10.429	3188	3195	3203	rVB2	46612	60199	1.28%	0.207%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042365.D
Acq On : 17 Apr 2025 19:31
Operator : SY/MD
Sample : Q1668-02
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B1-2-3252025

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\VL041725AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

37	10.769	3288	3300	3304	rBV4	46522	70979	1.51%	0.244%
38	10.853	3321	3326	3333	rVB7	56426	67266	1.43%	0.231%
39	10.898	3333	3340	3352	rVB2	62822	83032	1.77%	0.285%
40	10.989	3352	3368	3381	rBV2	124238	212645	4.53%	0.730%
41	11.096	3393	3401	3406	rBV	490017	564207	12.02%	1.937%
42	11.125	3406	3410	3421	rVB	204076	229248	4.88%	0.787%
43	11.203	3421	3434	3442	rBV2	303503	364339	7.76%	1.251%
44	11.254	3442	3450	3453	rBV4	62581	69236	1.47%	0.238%
45	11.280	3453	3458	3463	rVV2	99116	121422	2.59%	0.417%
46	11.313	3463	3468	3471	rVV3	118355	120415	2.56%	0.413%
47	11.335	3471	3475	3488	rVB	171209	209341	4.46%	0.719%
48	11.400	3488	3495	3501	rBV2	131892	142005	3.02%	0.488%
49	11.536	3528	3537	3547	rBV	878398	1010184	21.52%	3.469%
50	11.588	3547	3553	3565	rVB6	51057	85776	1.83%	0.295%
51	11.724	3584	3595	3597	rBV4	51879	71154	1.52%	0.244%
52	11.753	3597	3604	3617	rVB4	302075	425736	9.07%	1.462%
53	11.879	3636	3643	3650	rVB2	273356	286710	6.11%	0.985%
54	12.018	3674	3686	3690	rBV	169430	210264	4.48%	0.722%
55	12.038	3690	3692	3703	rVB4	86129	86400	1.84%	0.297%
56	12.096	3703	3710	3716	rBV5	46264	56797	1.21%	0.195%
57	12.170	3726	3733	3736	rBV4	58552	63417	1.35%	0.218%
58	12.193	3736	3740	3744	rVV2	82862	82599	1.76%	0.284%
59	12.222	3744	3749	3757	rVV	245543	260762	5.55%	0.895%
60	12.271	3757	3764	3767	rVV3	99326	120716	2.57%	0.415%
61	12.293	3767	3771	3777	rVB2	206331	209849	4.47%	0.721%
62	12.403	3794	3805	3811	rBV4	169382	188598	4.02%	0.648%
63	12.439	3811	3816	3821	rVB3	97284	96378	2.05%	0.331%
64	12.475	3821	3827	3831	rBV3	107338	105891	2.26%	0.364%
65	12.504	3831	3836	3839	rVV2	179220	185747	3.96%	0.638%
66	12.523	3839	3842	3845	rVV2	138934	136524	2.91%	0.469%
67	12.542	3845	3848	3855	rVB	171800	160806	3.43%	0.552%
68	12.588	3855	3862	3872	rVB2	280321	392865	8.37%	1.349%
69	12.669	3872	3887	3893	rBV6	104901	152580	3.25%	0.524%
70	12.772	3913	3919	3922	rBV5	42228	48149	1.03%	0.165%
71	12.827	3930	3936	3942	rVB	343971	331834	7.07%	1.139%
72	12.860	3942	3946	3955	rVB7	51185	64682	1.38%	0.222%
73	12.918	3955	3964	3969	rBV2	157612	182379	3.88%	0.626%
74	12.950	3969	3974	3983	rVB2	211957	209676	4.47%	0.720%
75	13.002	3983	3990	4000	rVB5	114499	169289	3.61%	0.581%
76	13.102	4015	4021	4024	rBV3	84600	96977	2.07%	0.333%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042365.D
Acq On : 17 Apr 2025 19:31
Operator : SY/MD
Sample : Q1668-02
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B1-2-3252025

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\VL041725AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

77	13.125	4024	4028	4035	rVB3	163603	168046	3.58%	0.577%
78	13.164	4035	4040	4045	rBV5	113495	118721	2.53%	0.408%
79	13.190	4045	4048	4053	rVB5	71019	59158	1.26%	0.203%
80	13.225	4053	4059	4065	rBV	237940	295096	6.29%	1.013%
81	13.251	4065	4067	4074	rVB2	104393	104079	2.22%	0.357%
82	13.293	4074	4080	4085	rBV5	50136	61846	1.32%	0.212%
83	13.329	4085	4091	4097	rBV5	254292	307548	6.55%	1.056%
84	13.387	4102	4109	4114	rVB4	174138	203101	4.33%	0.697%
85	13.423	4114	4120	4124	rBV3	114712	120567	2.57%	0.414%
86	13.449	4124	4128	4134	rVB3	57445	56234	1.20%	0.193%
87	13.484	4134	4139	4144	rBV	66778	53202	1.13%	0.183%
88	13.513	4144	4148	4151	rBV	62803	55129	1.17%	0.189%
89	13.536	4151	4155	4160	rVB4	69531	64336	1.37%	0.221%
90	13.575	4160	4167	4170	rBV2	115719	126828	2.70%	0.436%
91	13.591	4170	4172	4177	rVB3	81718	67030	1.43%	0.230%
92	13.659	4177	4193	4204	rVB5	183583	351962	7.50%	1.209%
93	13.724	4204	4213	4219	rBV	379415	388375	8.27%	1.334%
94	13.750	4219	4221	4231	rVB7	56914	66928	1.43%	0.230%
95	13.827	4231	4245	4251	rBV2	138116	196648	4.19%	0.675%
96	13.860	4251	4255	4259	rVV	88629	83118	1.77%	0.285%
97	13.895	4259	4266	4273	rVB5	82075	112018	2.39%	0.385%
98	13.980	4281	4292	4297	rBV8	78468	104677	2.23%	0.359%
99	14.028	4297	4307	4311	rBV10	56209	74863	1.59%	0.257%
100	14.106	4318	4331	4337	rBV4	89741	152823	3.25%	0.525%
101	14.171	4349	4351	4360	rVB9	46307	49433	1.05%	0.170%
102	14.232	4360	4370	4386	rBV6	235507	411559	8.77%	1.413%
103	14.303	4386	4392	4397	rVV5	83864	87475	1.86%	0.300%
104	14.339	4397	4403	4410	rVV4	124673	146617	3.12%	0.503%
105	14.374	4410	4414	4420	rVB6	52669	51572	1.10%	0.177%
106	14.449	4428	4437	4444	rBV4	154343	239826	5.11%	0.824%
107	14.488	4444	4449	4453	rVV7	50370	54463	1.16%	0.187%
108	14.520	4453	4459	4472	rVB	341906	386516	8.23%	1.327%
109	14.585	4472	4479	4484	rBV3	67710	77439	1.65%	0.266%
110	14.662	4495	4503	4513	rBV3	182218	276746	5.89%	0.950%
111	14.789	4534	4542	4551	rVB6	65436	107127	2.28%	0.368%
112	14.896	4568	4575	4580	rVB5	53476	66153	1.41%	0.227%
113	14.999	4599	4607	4612	rVB7	48418	47518	1.01%	0.163%
114	15.051	4618	4623	4634	rBV9	42816	73526	1.57%	0.252%
115	15.109	4634	4641	4649	rVB4	84907	111910	2.38%	0.384%
116	15.193	4661	4667	4671	rBV4	77632	75433	1.61%	0.259%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042365.D
Acq On : 17 Apr 2025 19:31
Operator : SY/MD
Sample : Q1668-02
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B1-2-3252025

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\VL041725AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

117	15.242	4676	4682	4690	rVV2	232712	257399	5.48%	0.884%
118	15.284	4690	4695	4702	rVB10	41012	49510	1.05%	0.170%
119	15.472	4746	4753	4760	rVB10	31369	50014	1.07%	0.172%
120	15.582	4783	4787	4801	rVB10	80292	115772	2.47%	0.398%
121	15.795	4846	4853	4858	rBV10	48719	51623	1.10%	0.177%

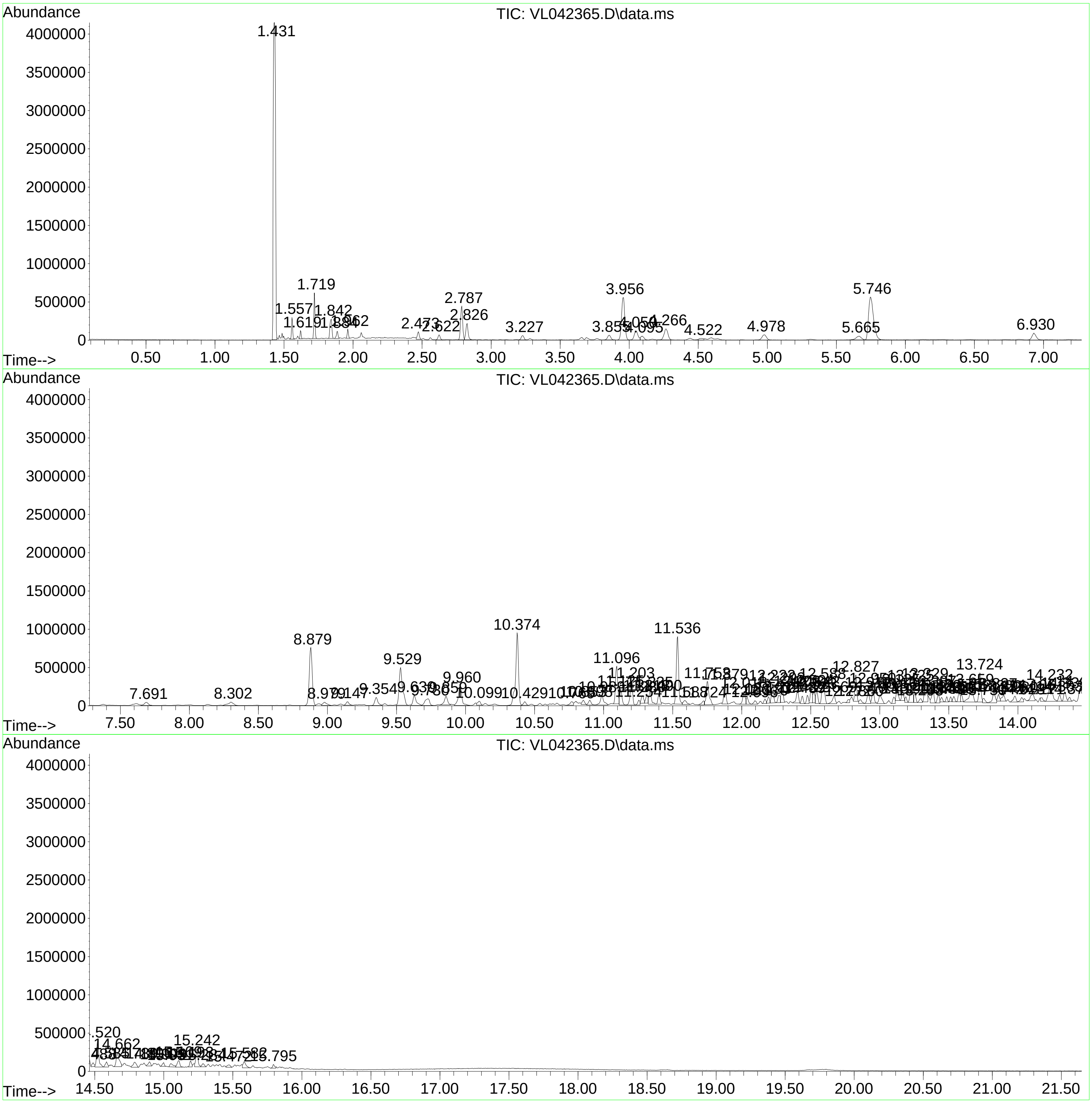
Sum of corrected areas: 29121922

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042365.D
Acq On : 17 Apr 2025 19:31
Operator : SY/MD
Sample : Q1668-02
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B1-2-3252025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042365.D
Acq On : 17 Apr 2025 19:31
Operator : SY/MD
Sample : Q1668-02
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B1-2-3252025

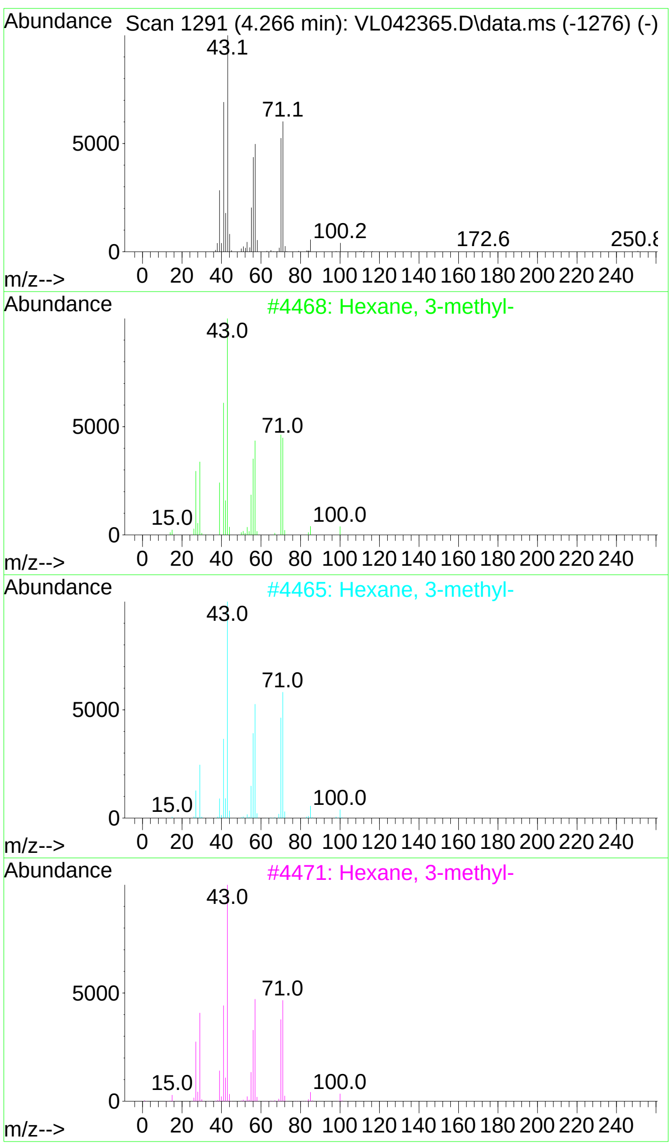
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

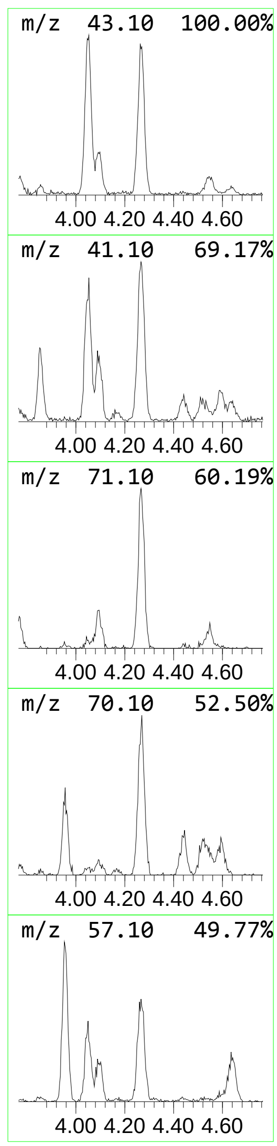
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Hexane, 3-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.266	3.05 ppbv	277896	1,4-Difluorobenzene	3.959

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	91
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	91
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	90
4	Heptane	100	C7H16	000142-82-5	59
5	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	53





Library Search Compound Report

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042365.D
Acq On    : 17 Apr 2025  19:31
Operator  : SY/MD
Sample    : Q1668-02
Misc      : 400mL/MSVOA_L
ALS Vial  : 6   Sample Multiplier: 1
```

Instrument :
MSVOA_L
ClientSampleId :
IA-B1-2-3252025

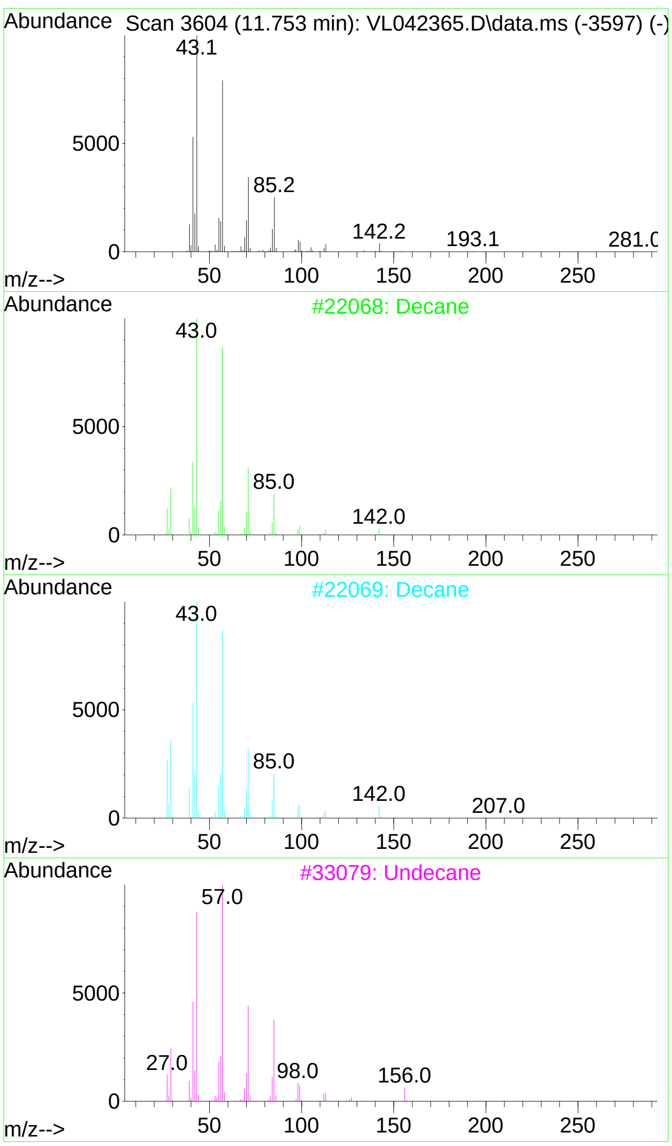
```
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title  : AIR ANALYSIS BY METHOD TO-15   Instrument: MSVOA_LFri Aug 26 06:05:16 2022

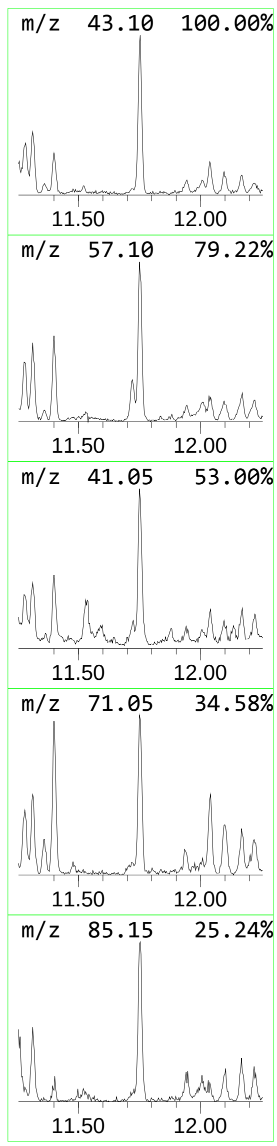
TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********************************************************************
Peak Number  2  Decane                          Concentration Rank  1
```

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.753	3.75 ppbv	425736	Chlorobenzene-d5	8.879

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	91
2	Decane	142	C10H22	000124-18-5	90
3	Undecane	156	C11H24	001120-21-4	83
4	Decane	142	C10H22	000124-18-5	72
5	Undecane, 4,7-dimethyl-	184	C13H28	017301-32-5	72





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042365.D
Acq On : 17 Apr 2025 19:31
Operator : SY/MD
Sample : Q1668-02
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B1-2-3252025

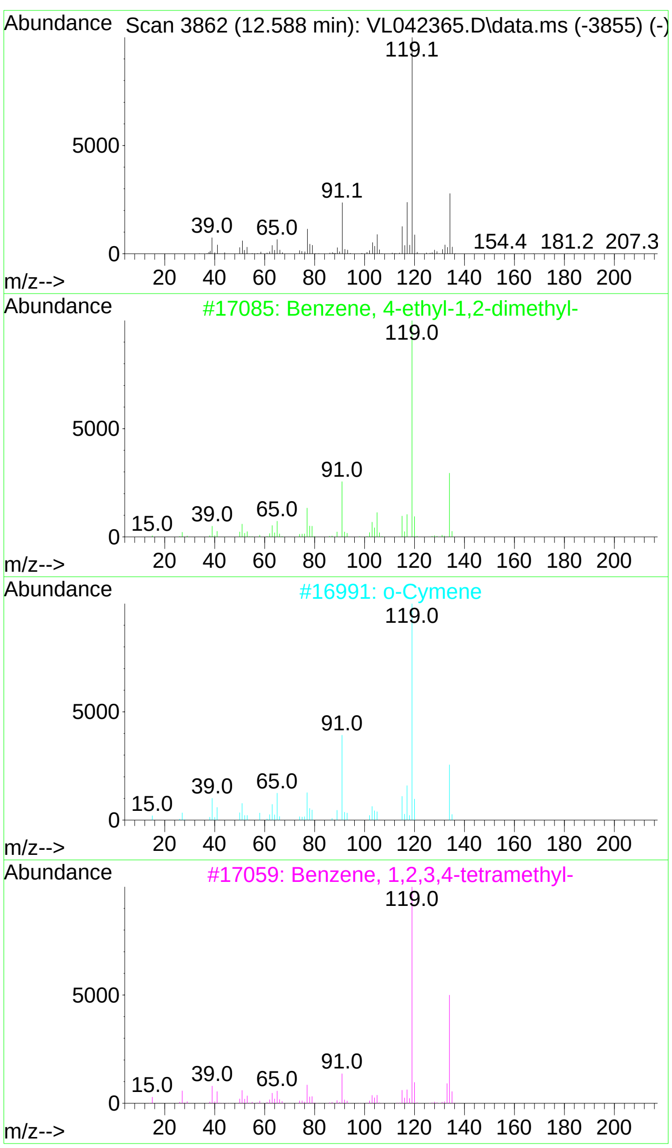
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

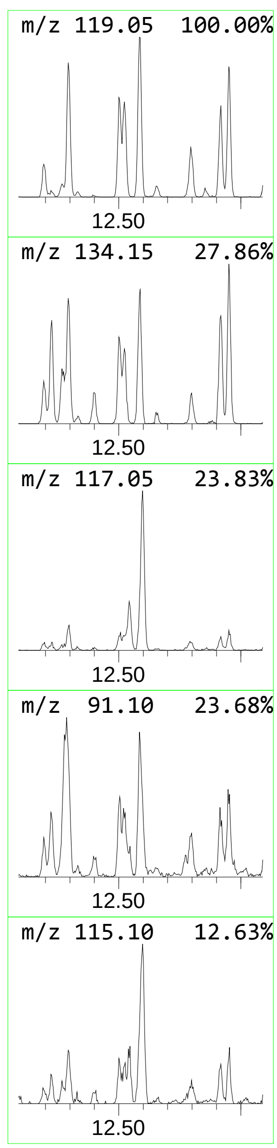
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.588	3.46 ppbv	392865	Chlorobenzene-d5	8.879

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
2	o-Cymene	134	C10H14	000527-84-4	90
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	87
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	87
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042365.D
Acq On : 17 Apr 2025 19:31
Operator : SY/MD
Sample : Q1668-02
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B1-2-3252025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

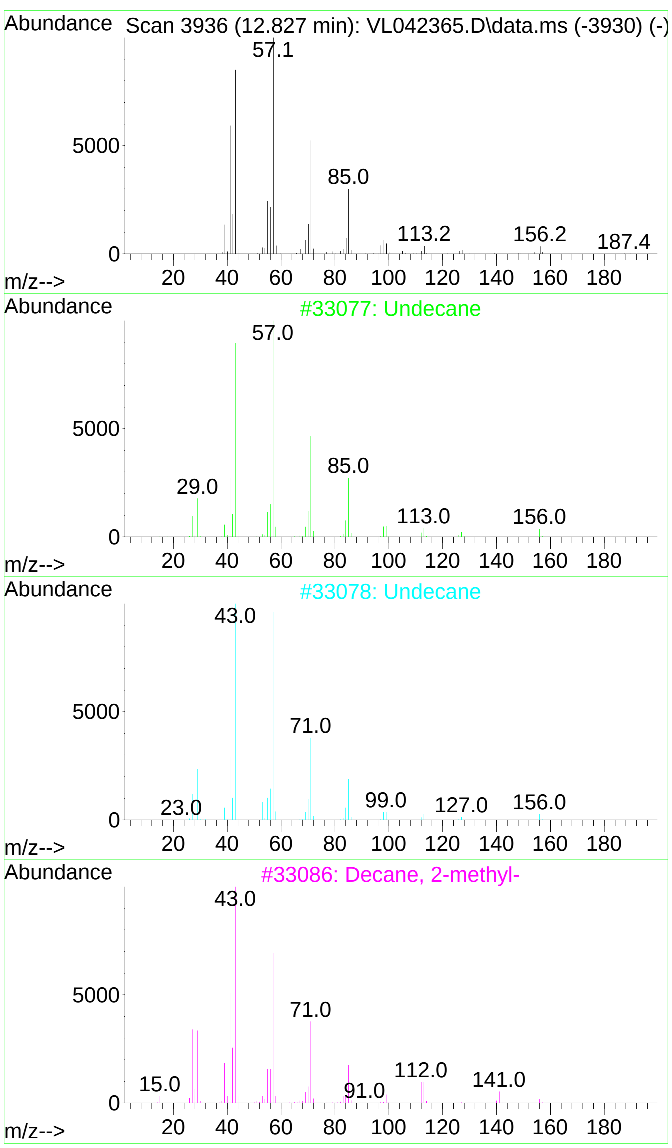
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

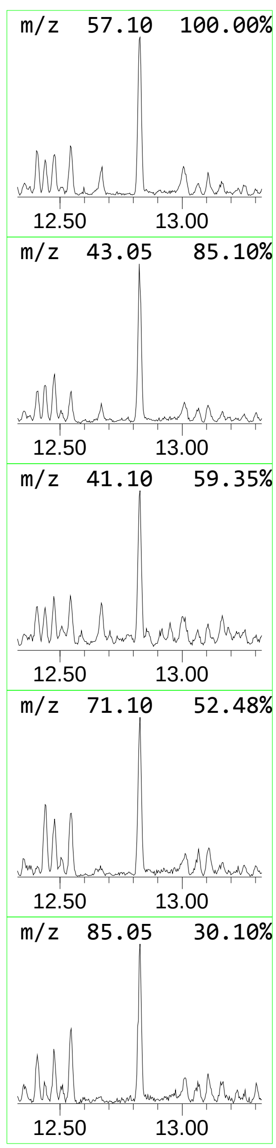
****

Peak Number 4 Undecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.827	2.92 ppbv	331834	Chlorobenzene-d5	8.879

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	87
2	Undecane	156	C11H24	001120-21-4	81
3	Decane, 2-methyl-	156	C11H24	006975-98-0	80
4	Decane	142	C10H22	000124-18-5	78
5	Tridecane	184	C13H28	000629-50-5	72





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Acq On : 17 Apr 2025 19:31
Operator : SY/MD
Sample : Q1668-02
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B1-2-3252025

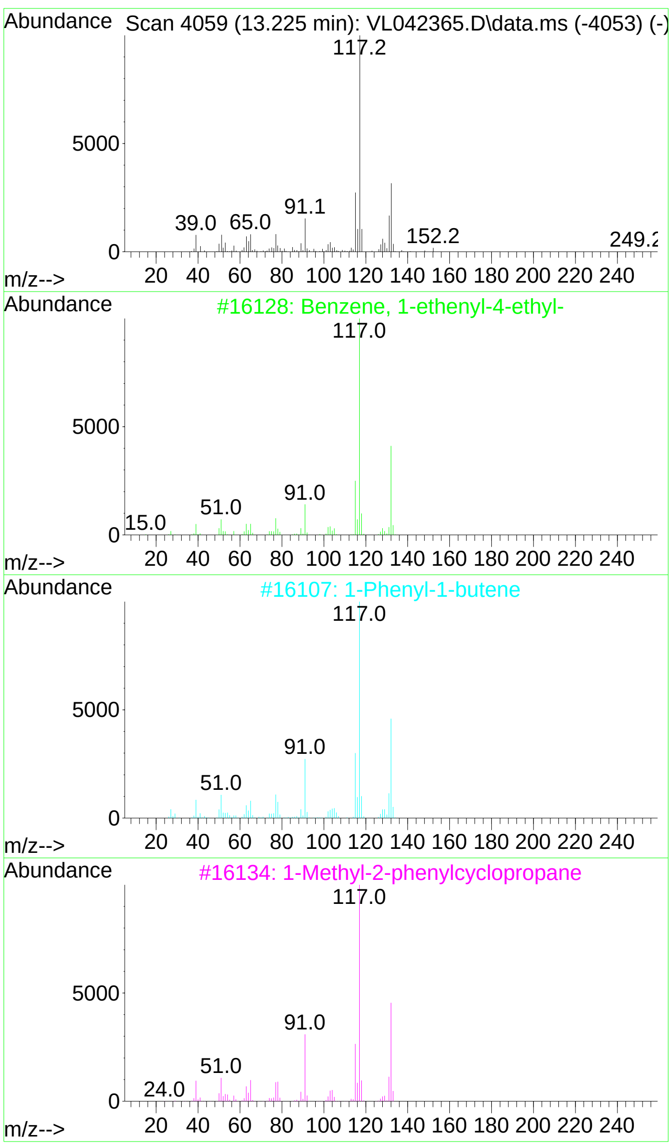
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

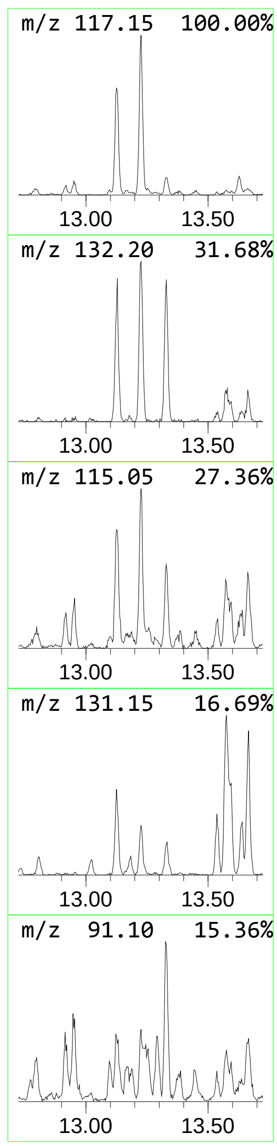
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.225	2.60 ppbv	295096	Chlorobenzene-d5	8.879

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	94
3	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	94
4	Indan, 1-methyl-	132	C10H12	000767-58-8	91
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	91





Library Search Compound Report

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Sample : Q1668-02
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ALS Vial : 6 Sample Multiplier: 1

Instrument :
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ClientSampleId :
IA-B1-2-3252025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

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

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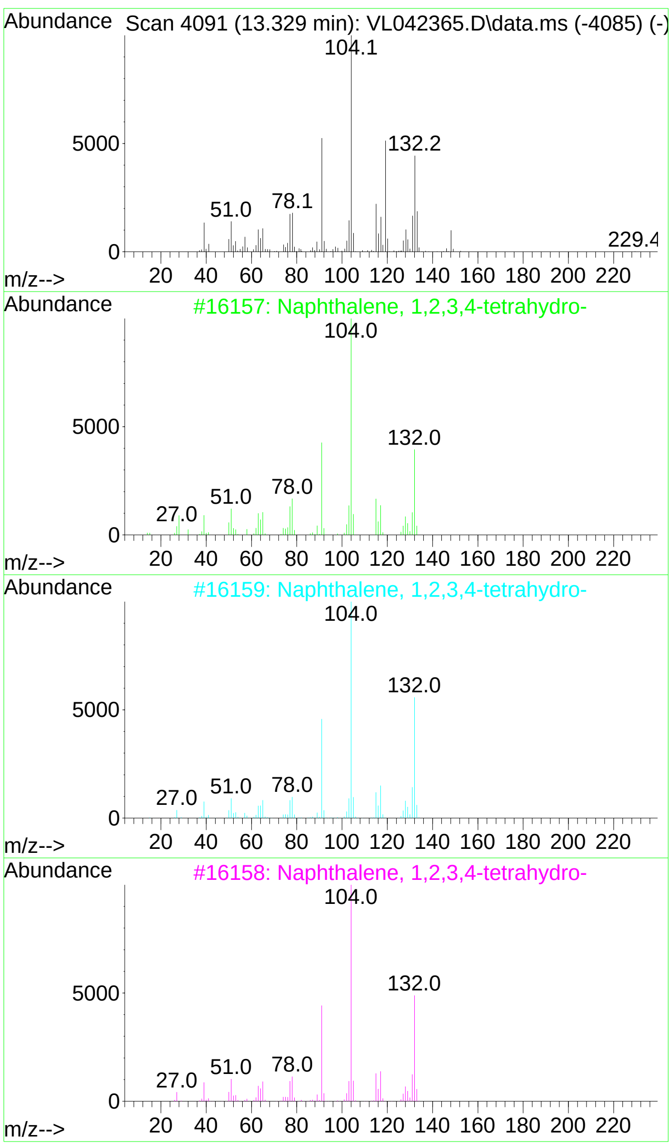
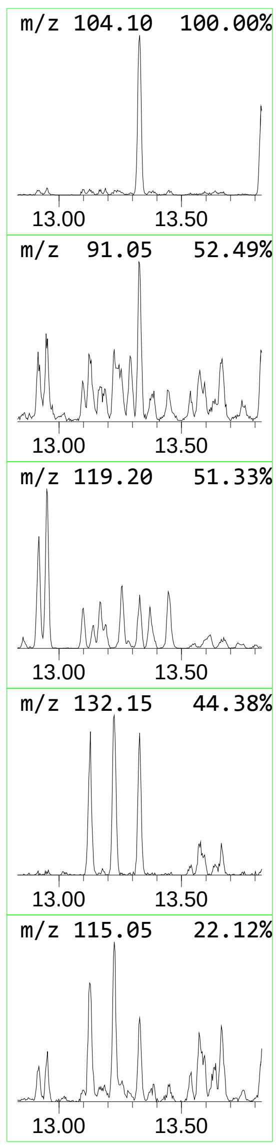
Peak Number 6 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.329	2.71 ppbv	307548	Chlorobenzene-d5	8.879

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	95
2	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	92
3	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	92
4	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	64
5	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	64





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Operator  : SY/MD
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Misc      : 400mL/MSVOA_L
ALS Vial  : 6   Sample Multiplier: 1

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

TIC Library    : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
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Instrument :
MSVOA_L
ClientSampleId :
IA-B1-2-3252025

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*********************************************************************
Peak Number  7  Benzene, (1-methyl-1-butenyl)-  Concentration Rank  6
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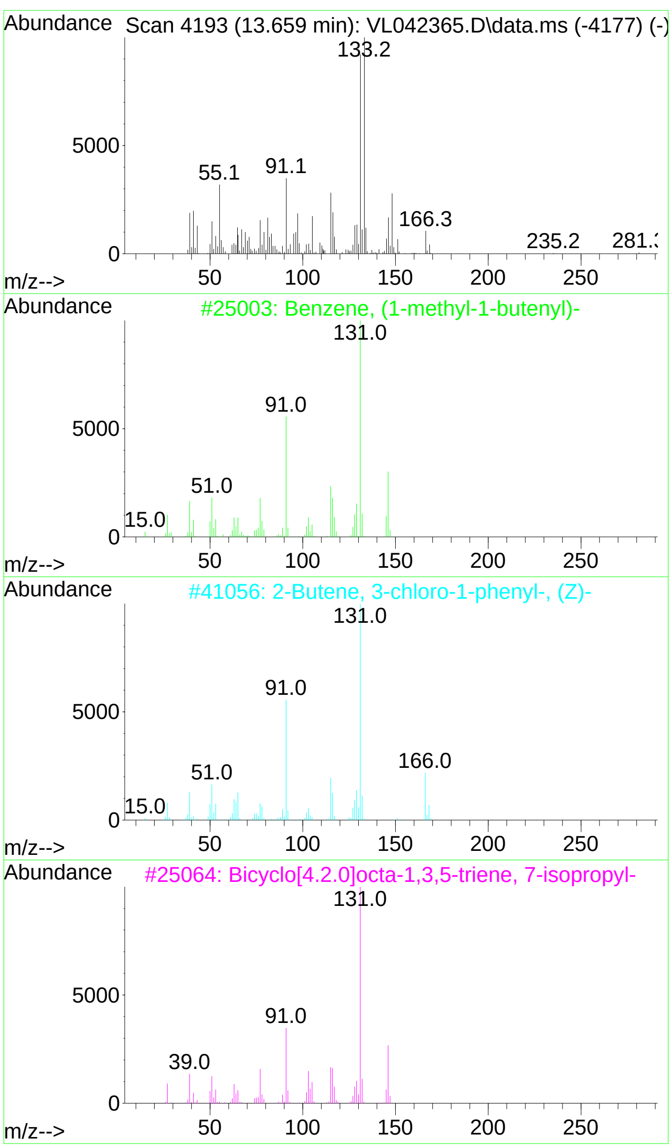
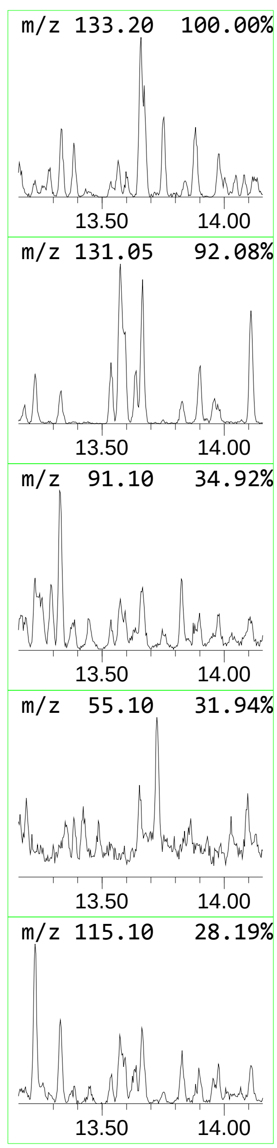
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.659	3.10 ppbv	351962	Chlorobenzene-d5	8.879

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	64
2	2-Butene, 3-chloro-1-phenyl-, (Z)-	166	C10H11Cl	016608-68-7	64
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	146	C11H14	027087-54-3	50
4	Benzene, (2-chloro-2-butenyl)-	166	C10H11Cl	054411-12-0	50
5	Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	50





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Sample : Q1668-02
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B1-2-3252025

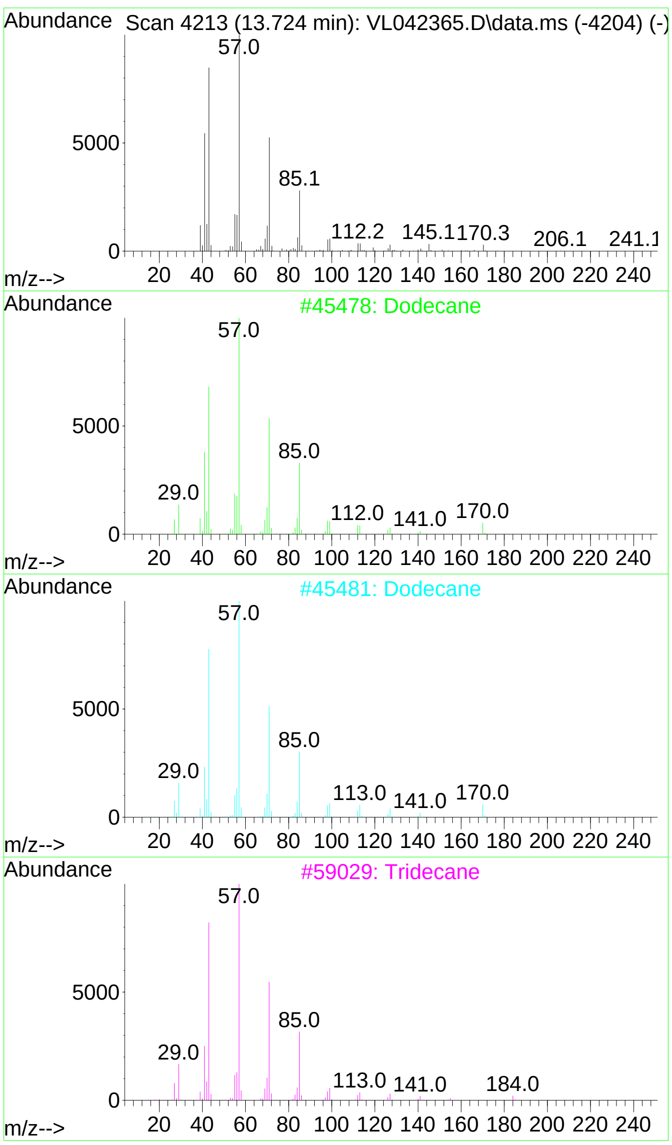
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

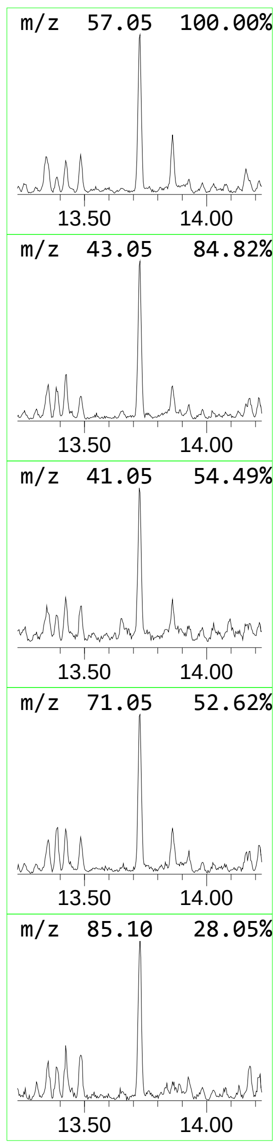
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Dodecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.724	3.42 ppbv	388375	Chlorobenzene-d5	8.879

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	96
2	Dodecane	170	C12H26	000112-40-3	95
3	Tridecane	184	C13H28	000629-50-5	90
4	Undecane	156	C11H24	001120-21-4	86
5	Dodecane	170	C12H26	000112-40-3	86





Library Search Compound Report

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Sample : Q1668-02
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B1-2-3252025

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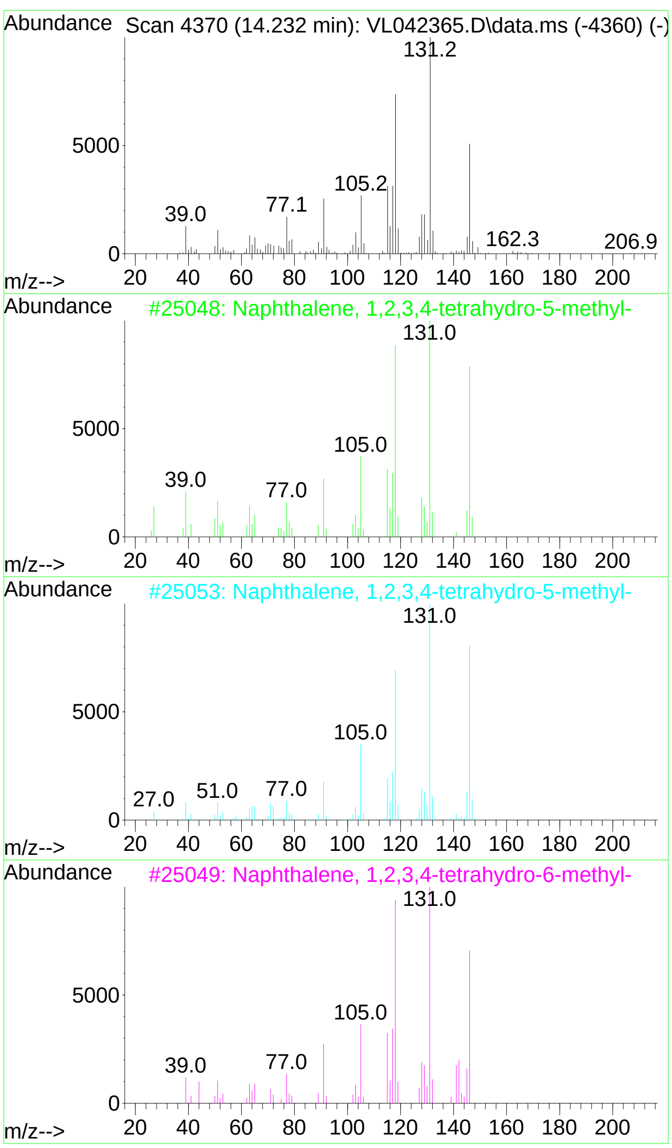
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

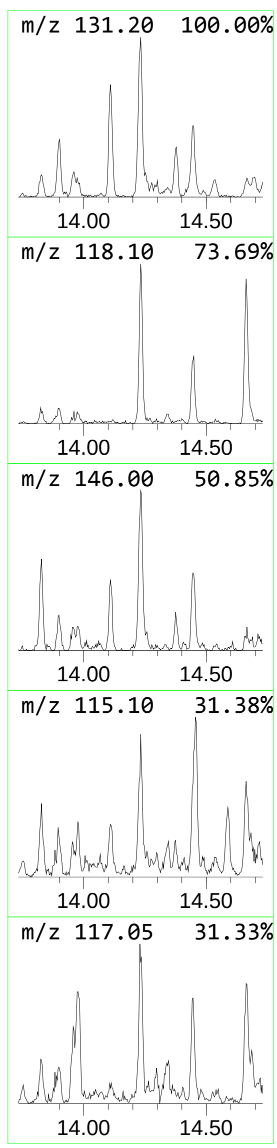
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.232	3.62 ppbv	411559	Chlorobenzene-d5	8.879

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	97
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	96
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	95
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	94
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	94





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Acq On : 17 Apr 2025 19:31
Operator : SY/MD
Sample : Q1668-02
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B1-2-3252025

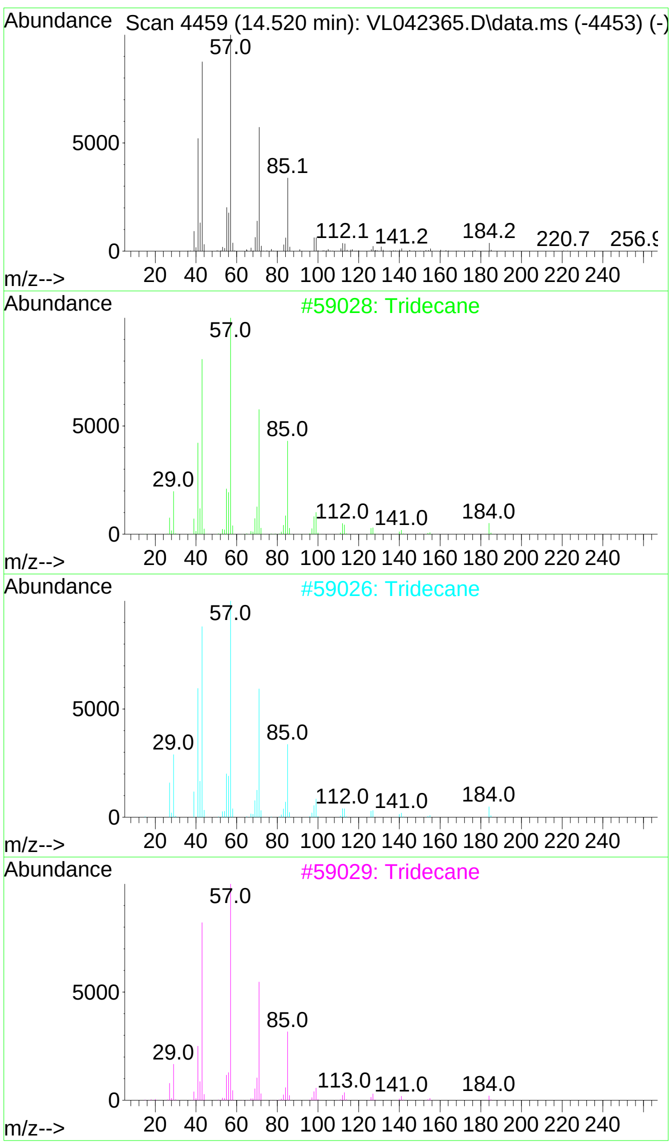
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

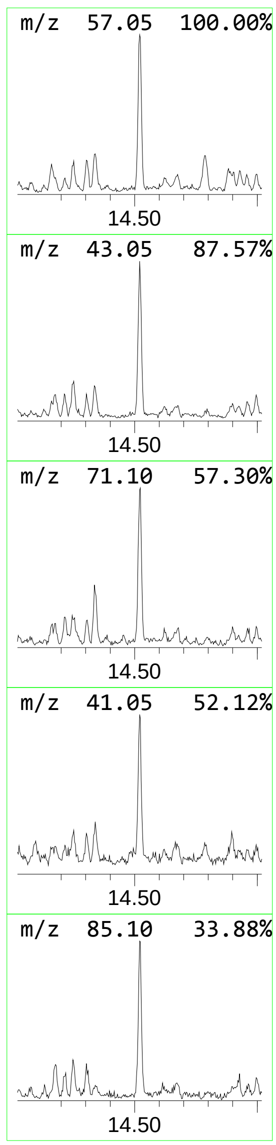
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Tridecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.520	3.40 ppbv	386516	Chlorobenzene-d5	8.879

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	95
2	Tridecane	184	C13H28	000629-50-5	94
3	Tridecane	184	C13H28	000629-50-5	94
4	Tridecane	184	C13H28	000629-50-5	90
5	Dodecane	170	C12H26	000112-40-3	90





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Data File : VL042365.D
Acq On : 17 Apr 2025 19:31
Operator : SY/MD
Sample : Q1668-02
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-B1-2-3252025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

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

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	RT	Resp	Conc
Hexane, 3-methyl-	4.266	3.0	ppbv	277896	2	3.959	910647	10.0
Decane	11.753	3.8	ppbv	425736	3	8.879	1135540	10.0
Benzene, 4-ethy...	12.588	3.5	ppbv	392865	3	8.879	1135540	10.0
Undecane	12.827	2.9	ppbv	331834	3	8.879	1135540	10.0
Benzene, 1-ethe...	13.225	2.6	ppbv	295096	3	8.879	1135540	10.0
Naphthalene, 1,...	13.329	2.7	ppbv	307548	3	8.879	1135540	10.0
Benzene, (1-met...	13.659	3.1	ppbv	351962	3	8.879	1135540	10.0
Dodecane	13.724	3.4	ppbv	388375	3	8.879	1135540	10.0
Naphthalene, 1,...	14.232	3.6	ppbv	411559	3	8.879	1135540	10.0
Tridecane	14.520	3.4	ppbv	386516	3	8.879	1135540	10.0