LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121321\
Data File : VN070038.D
Acq On : 13 Dec 2021 17:45
Operator : JC/MD
Sample : M4929-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
6NINF1221

Integration Parameters: RTEINT3.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N121321W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

Signal : TIC: VN070038.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.140	420	429	450	rVB3	63846	142894	5.04%	0.600%
2	4.250	815	843	844	rBV3	137073	254670	8.98%	1.070%
3	5.077	1116	1151	1179	rBV	367328	1377018	48.55%	5.785%
4	5.382	1237	1265	1305	rBV2	387801	1410466	49.72%	5.926%
5	5.621	1326	1354	1394	rVB2	473182	1657550	58.44%	6.964%
6	6.498	1656	1681	1707	rVB2	58196	184426	6.50%	0.775%
7	7.048	1861	1886	1907	rBV4	99552	309225	10.90%	1.299%
8	7.343	1969	1996	2015	rBV4	28556	94947	3.35%	0.399%
9	7.659	2091	2114	2147	rBV2	458756	1445973	50.98%	6.075%
10	7.844	2170	2183	2204	rVB5	36540	99267	3.50%	0.417%
11	8.094	2260	2276	2288	rBV5	17572	36961	1.30%	0.155%
12	8.174	2288	2306	2328	rVB4	275082	699329	24.65%	2.938%
13	8.359	2358	2375	2386	rBV10	19916	49319	1.74%	0.207%
14	8.442	2386	2406	2427	rBV3	523132	1400468	49.37%	5.884%
15	8.539	2428	2442	2456	rVV3	252783	597584	21.07%	2.511%
16	8.614	2458	2470	2492	rVB2	276603	676526	23.85%	2.842%
17	8.968	2581	2602	2630	rBV	980074	2089255	73.66%	8.777%
18	9.424	2756	2772	2782	rBV4	55904	128335	4.52%	0.539%
19	9.590	2821	2834	2847	rBV4	27594	54635	1.93%	0.230%
20	9.732	2865	2887	2900	rBV3	43459	96773	3.41%	0.407%
21	9.883	2928	2943	2961	rBV2	183190	364699	12.86%	1.532%
22	10.014	2969	2992	3009	rBV2	323112	691753	24.39%	2.906%
23	10.202	3045	3062	3067	rBV5	133720	240506	8.48%	1.010%
24	10.368	3114	3124	3134	rVB7	23055	42361	1.49%	0.178%
25	10.443	3135	3152	3180	rBV	1480476	2836538	100.00%	11.917%
26	10.553	3181	3193	3209	rVV2	170598	323190	11.39%	1.358%
27	10.642	3220	3226	3241	rVB6	55047	94298	3.32%	0.396%
28	10.717	3243	3254	3268	rVV4	52245	95231	3.36%	0.400%
29	10.781	3269	3278	3293	rVB6	22828	43007	1.52%	0.181%
30	10.862	3298	3308	3311	rBV4	21605	29083	1.03%	0.122%
31	10.945	3328	3339	3357	rVB4	22168	47844	1.69%	0.201%
32	11.090	3378	3393	3400	rBV3	50681	97283	3.43%	0.409%
33	11.130	3401	3408	3422	rVB2	98328	171190	6.04%	0.719%
34	11.216	3429	3440	3449	rBV6	25240	49368	1.74%	0.207%
35	11.621	3577	3591	3613	rVB5	88478	225105	7.94%	0.946%
36	11.744	3619	3637	3661	rBV	1425508	2749586	96.93%	11.551%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121321\
Data File : VN070038.D
Acq On : 13 Dec 2021 17:45
Operator : JC/MD
Sample : M4929-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
6NINF1221

Integration Parameters: RTEINT3.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N121321W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

37	11.967	3704	3720	3725	rBV8	24891	49552	1.75%	0.208%
38	12.363	3857	3868	3877	rBV4	32710	59173	2.09%	0.249%
39	12.734	3990	4006	4029	rVB	851505	1577221	55.60%	6.626%
40	12.844	4038	4047	4060	rBV5	50997	96571	3.40%	0.406%
41	13.012	4100	4110	4119	rBV5	19473	36234	1.28%	0.152%
42	13.055	4119	4126	4139	rVB5	19350	40486	1.43%	0.170%
43	13.329	4217	4228	4238	rVV6	14442	30150	1.06%	0.127%
44	13.672	4346	4356	4364	rBV9	20600	39364	1.39%	0.165%
45	13.774	4383	4394	4404	rBV4	43856	71993	2.54%	0.302%
46	13.839	4408	4418	4428	rBV4	56022	82196	2.90%	0.345%
47	14.002	4468	4479	4491	rVB7	28584	49823	1.76%	0.209%
48	14.069	4493	4504	4516	rVB5	17646	33502	1.18%	0.141%
49	14.150	4518	4534	4549	rBV2	141958	257296	9.07%	1.081%
50	14.329	4584	4601	4615	rBV2	137199	252833	8.91%	1.062%
51	14.404	4615	4629	4640	rVB10	40512	87884	3.10%	0.369%
52	14.466	4640	4652	4661	rBV4	42900	72432	2.55%	0.304%
53	14.820	4770	4784	4794	rBV9	31244	59493	2.10%	0.250%

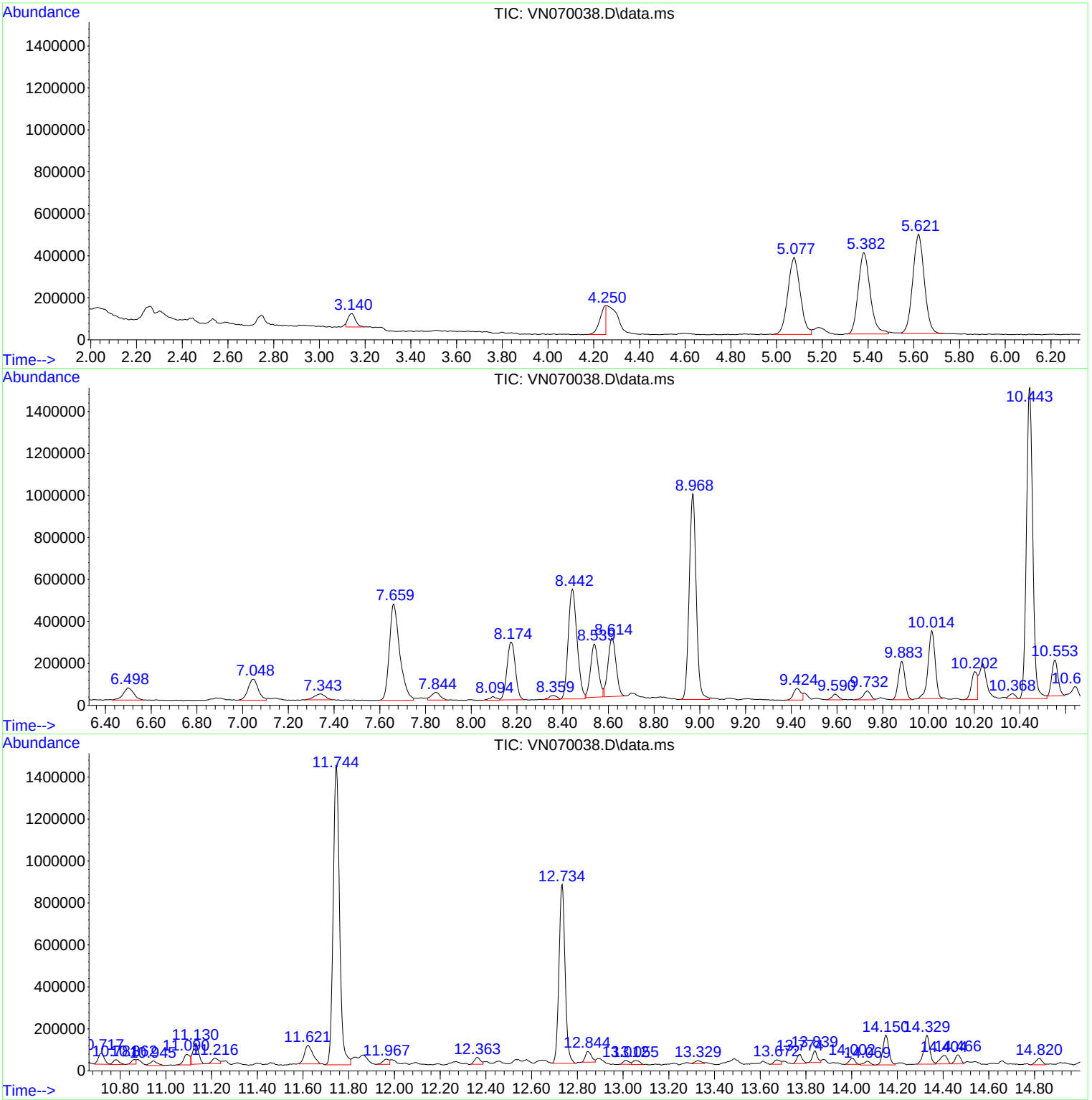
Sum of corrected areas: 23802866

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121321\
Data File : VN070038.D
Acq On : 13 Dec 2021 17:45
Operator : JC/MD
Sample : M4929-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
6NINF1221

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N121321W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121321\
Data File : VN070038.D
Acq On : 13 Dec 2021 17:45
Operator : JC/MD
Sample : M4929-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
6NINF1221

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N121321W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

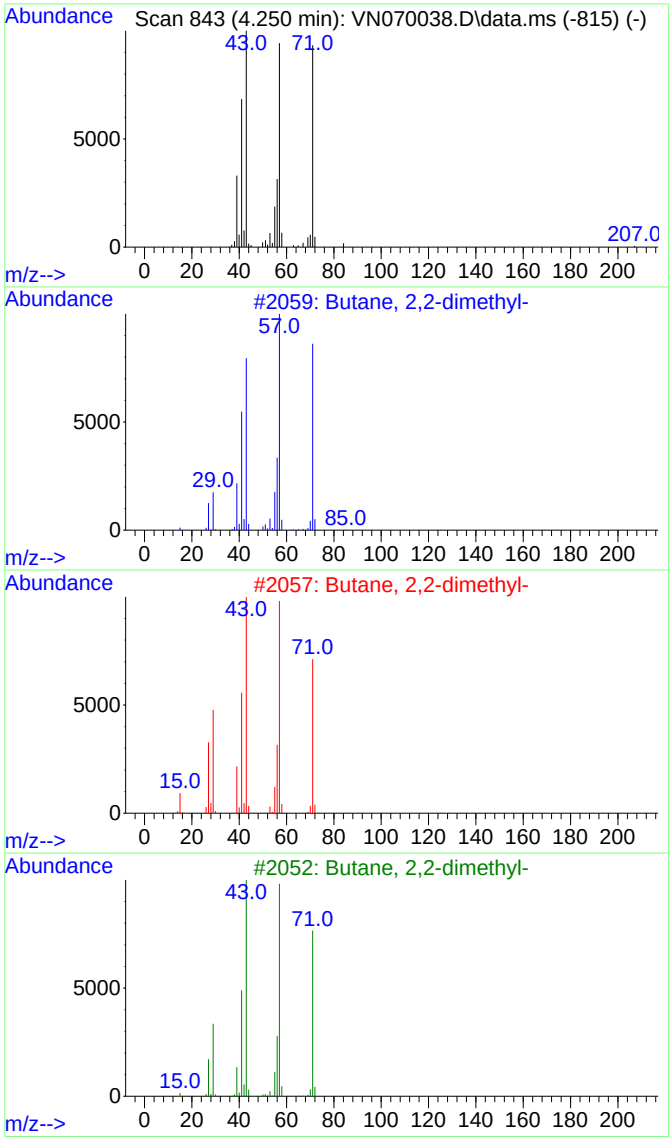
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

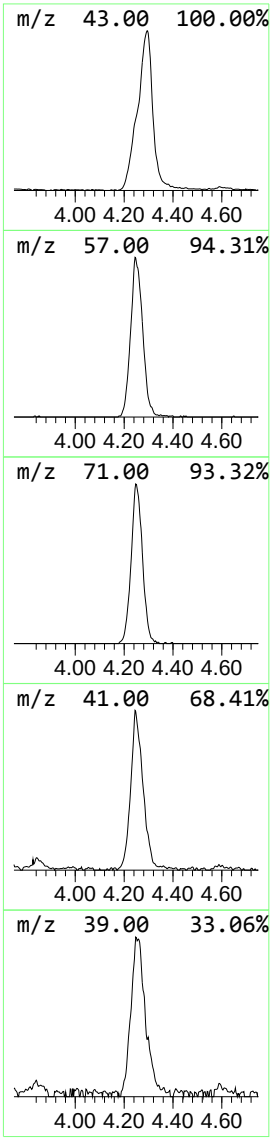
****

Peak Number 1 Butane, 2,2-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.250	5.28 ug/l	254670	Bromochloromethane	7.659

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	90
2	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	83
3	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	83
4	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	83
5	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121321\
Data File : VN070038.D
Acq On : 13 Dec 2021 17:45
Operator : JC/MD
Sample : M4929-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
6NINF1221

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N121321W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

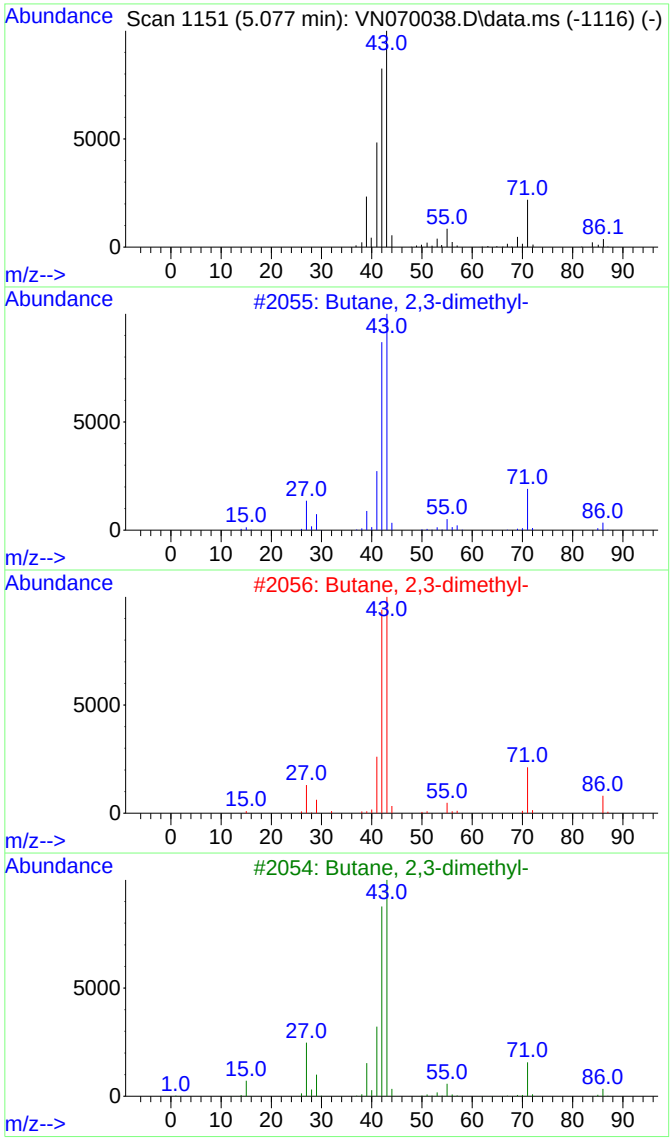
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

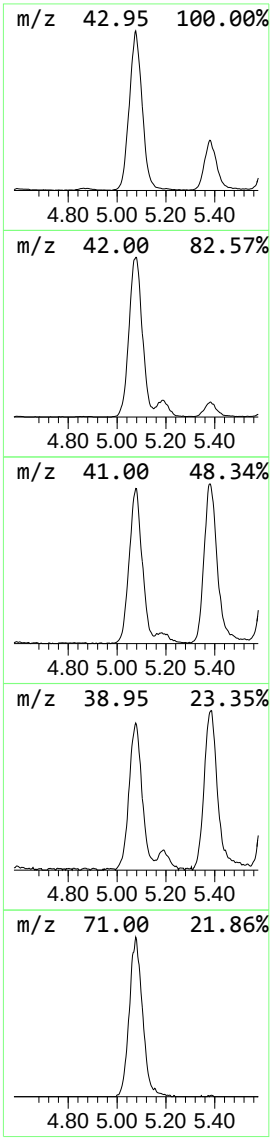
****

Peak Number 2 Butane, 2,3-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.077	28.57 ug/l	1377020	Bromochloromethane	7.659

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	86
2	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	86
3	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	86
4	Pentane, 2-methyl-	86	C6H14	000107-83-5	78
5	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121321\
Data File : VN070038.D
Acq On : 13 Dec 2021 17:45
Operator : JC/MD
Sample : M4929-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
6NINF1221

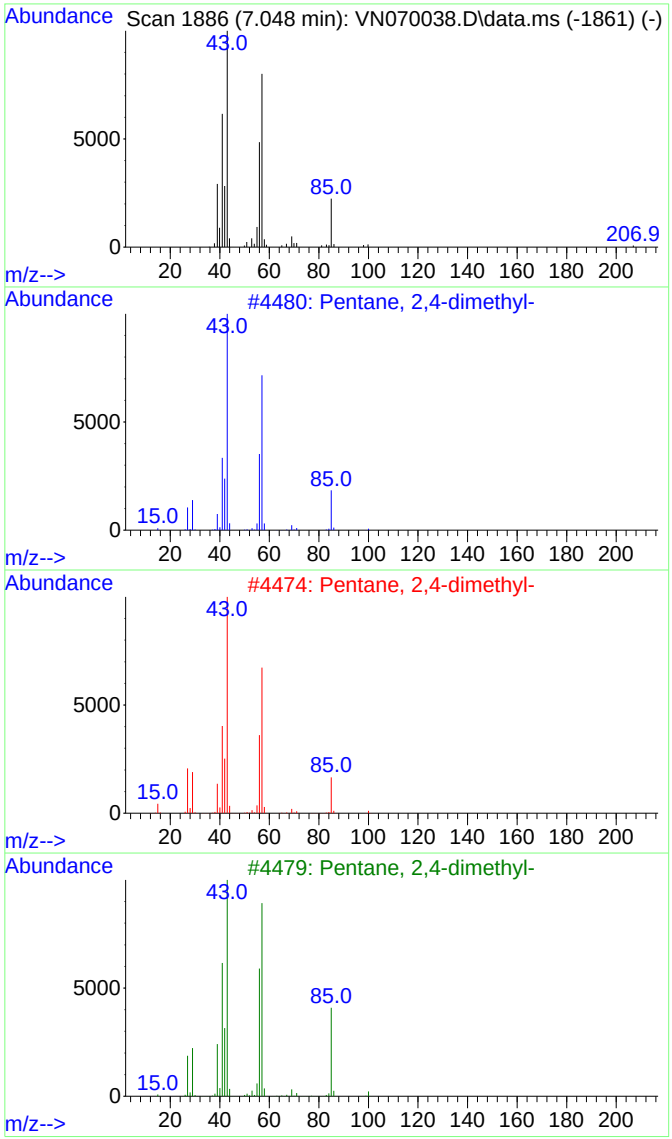
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N121321W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

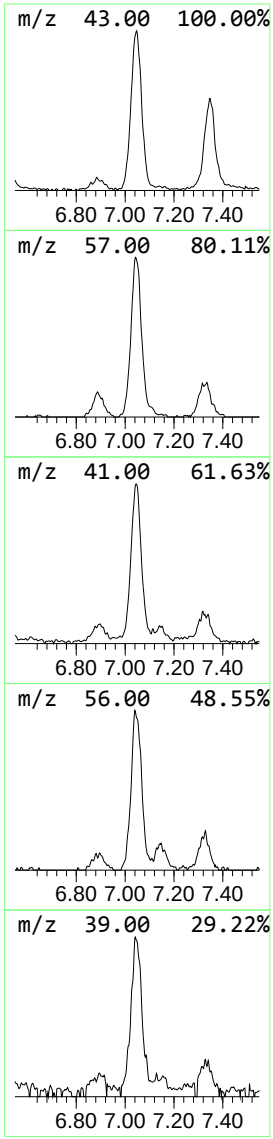
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Pentane, 2,4-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.048	6.42 ug/l	309225	Bromochloromethane	7.659

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	91
2	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	90
3	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	59
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	59
5	Heptane, 3-methyl-	114	C8H18	000589-81-1	56





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121321\
Data File : VN070038.D
Acq On : 13 Dec 2021 17:45
Operator : JC/MD
Sample : M4929-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
6NINF1221

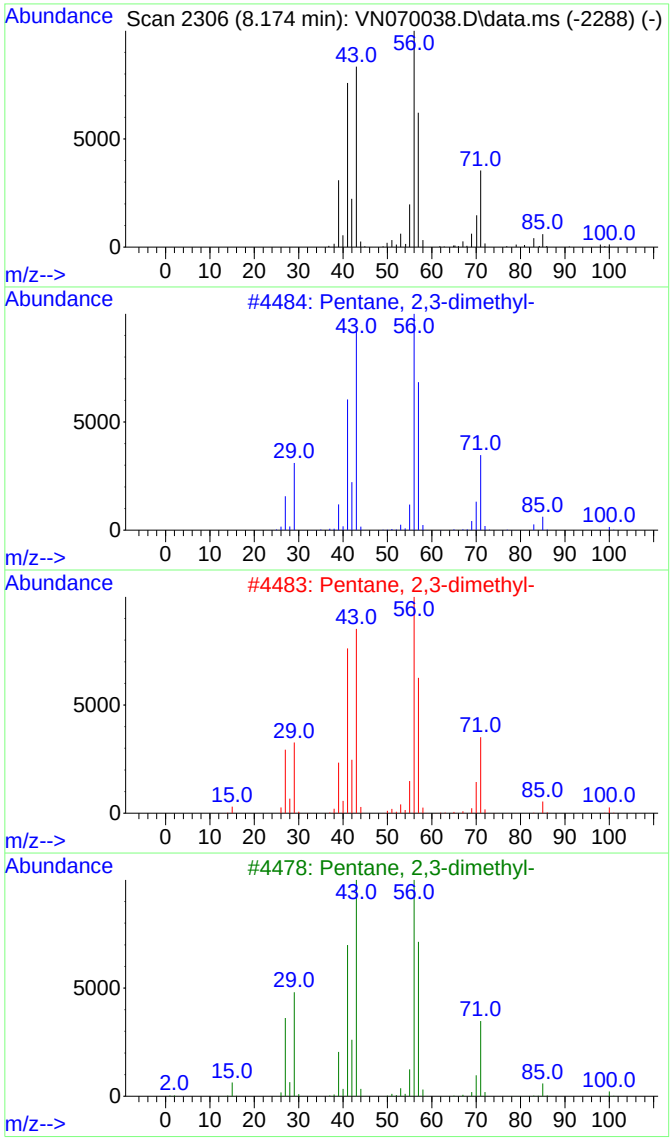
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N121321W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

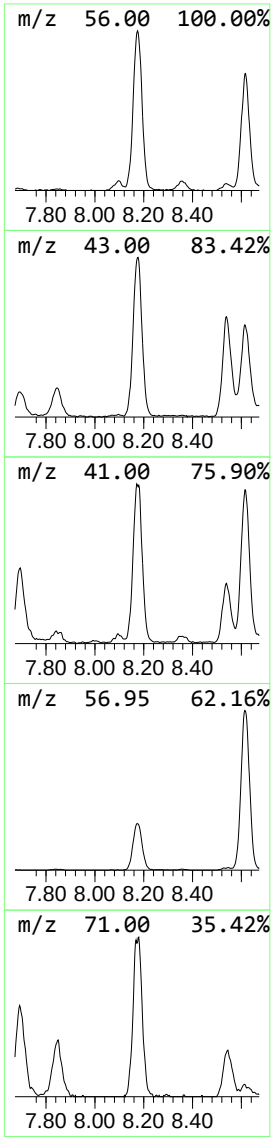
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Pentane, 2,3-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.174	14.51 ug/l	699329	Bromochloromethane	7.659

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	90
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	90
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	78
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	64
5	1-Hexene, 5-methyl-	98	C7H14	003524-73-0	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121321\
Data File : VN070038.D
Acq On : 13 Dec 2021 17:45
Operator : JC/MD
Sample : M4929-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
6NINF1221

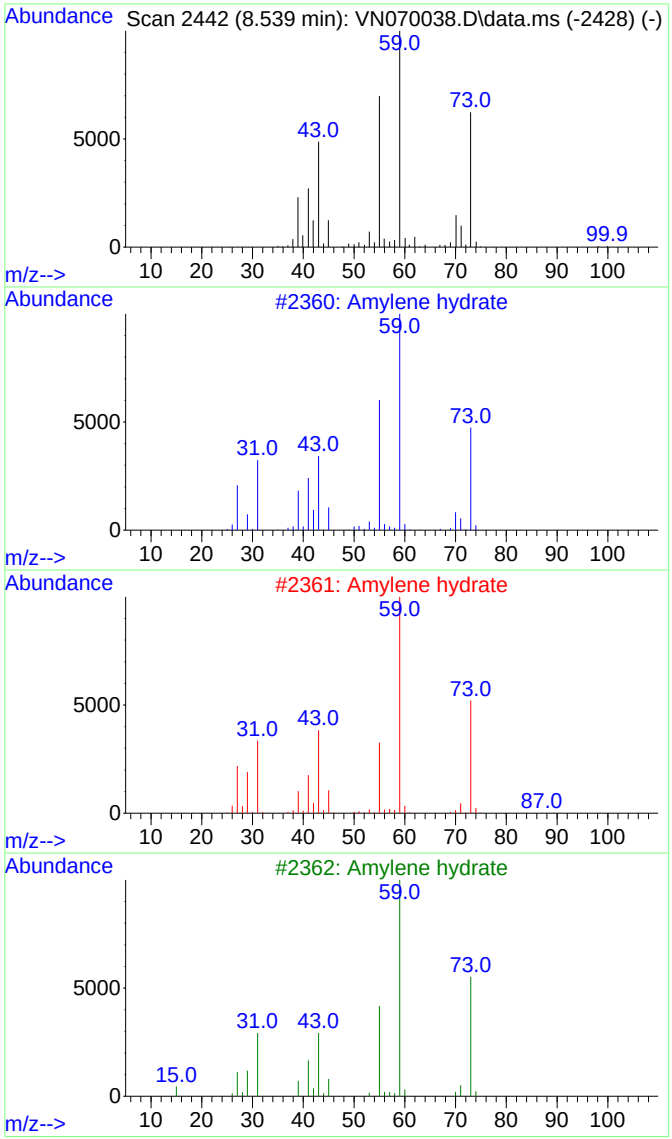
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N121321W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

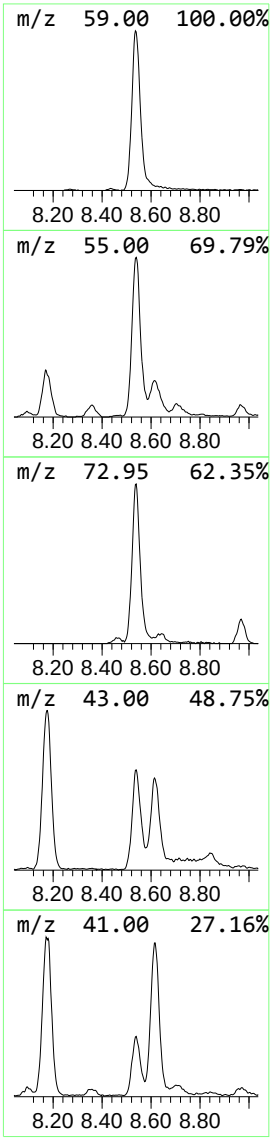
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Amylene hydrate Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.539	8.58 ug/l	597584	1,4-Difluorobenzene	8.968

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Amylene hydrate	88	C5H12O	000075-85-4	78
2	Amylene hydrate	88	C5H12O	000075-85-4	72
3	Amylene hydrate	88	C5H12O	000075-85-4	72
4	Amylene hydrate	88	C5H12O	000075-85-4	72
5	Amylene hydrate	88	C5H12O	000075-85-4	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121321\
Data File : VN070038.D
Acq On : 13 Dec 2021 17:45
Operator : JC/MD
Sample : M4929-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
6NINF1221

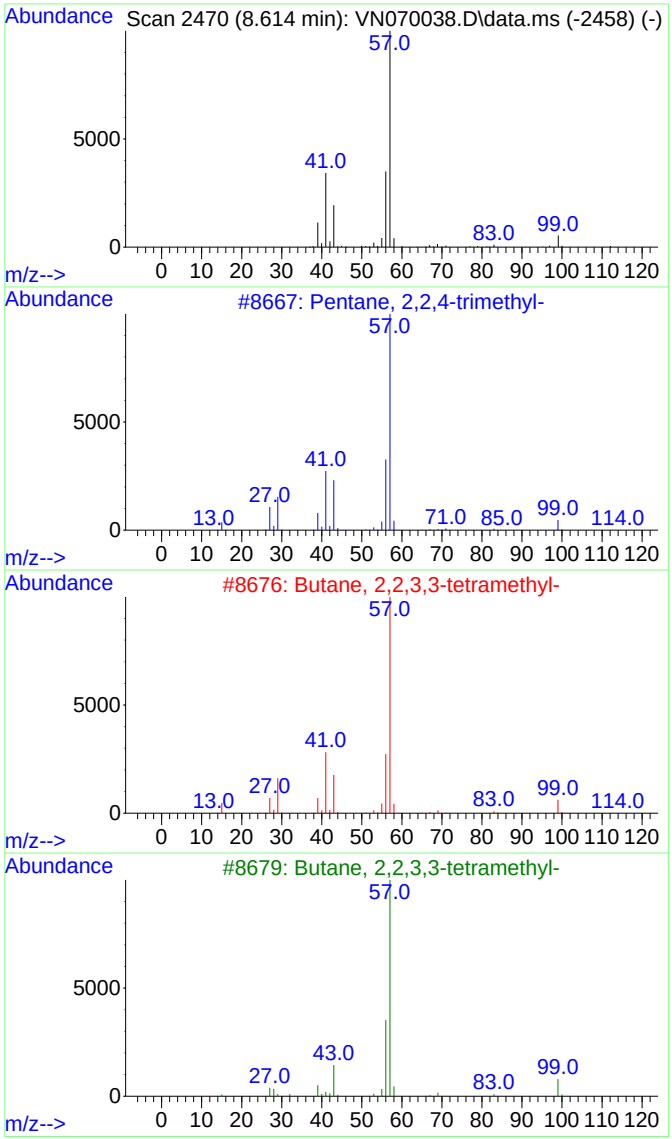
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N121321W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

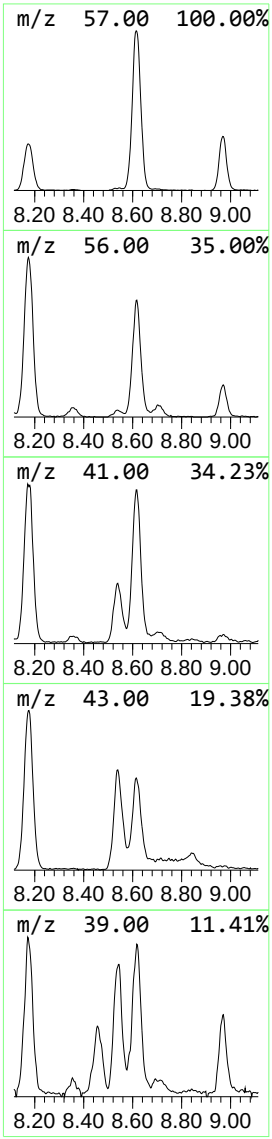
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Pentane, 2,2,4-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.614	9.71 ug/l	676526	1,4-Difluorobenzene	8.968

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	72
2	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
3	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	64
4	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	59
5	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121321\
Data File : VN070038.D
Acq On : 13 Dec 2021 17:45
Operator : JC/MD
Sample : M4929-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
6NINF1221

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N121321W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

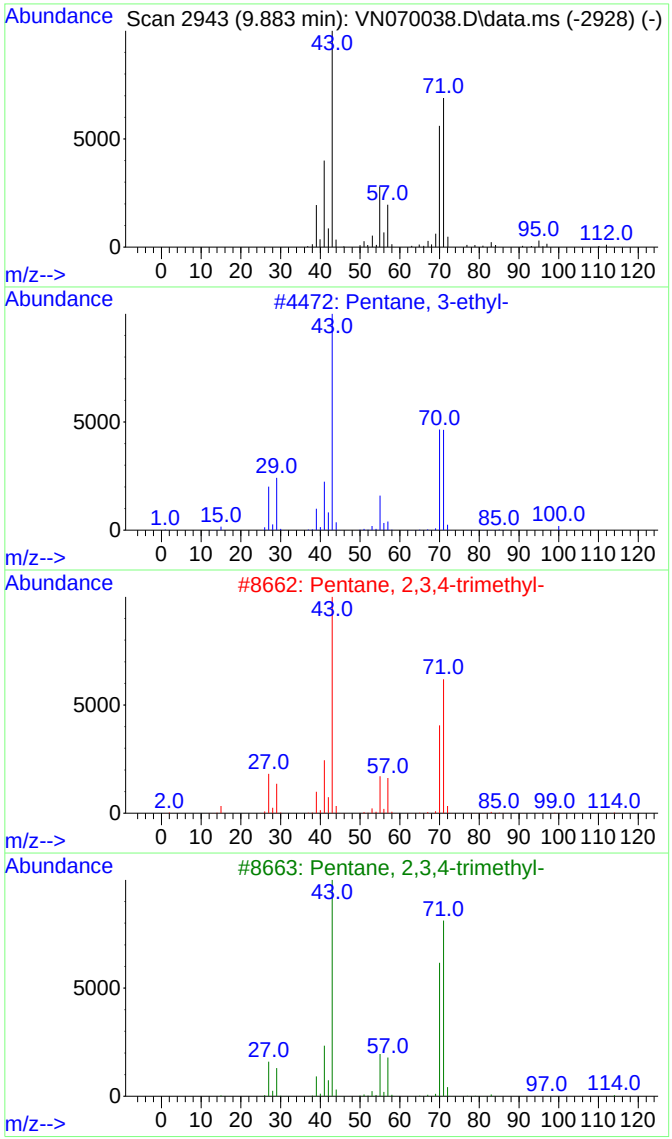
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

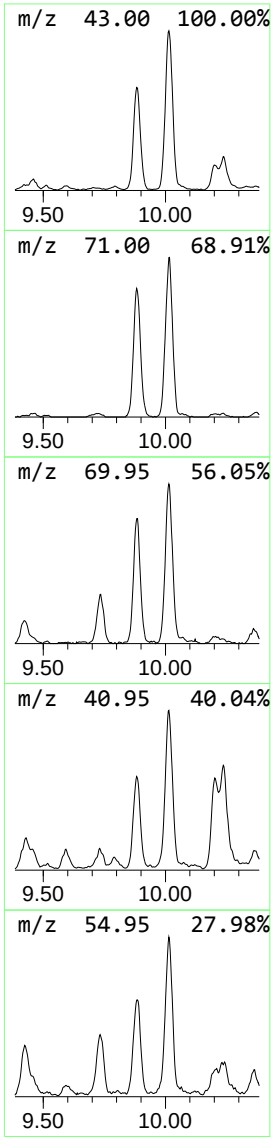
****

Peak Number 7 Pentane, 3-ethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.883	5.24 ug/l	364699	1,4-Difluorobenzene	8.968

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-ethyl-	100	C7H16	000617-78-7	78
2	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	72
3	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	72
4	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	72
5	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121321\
Data File : VN070038.D
Acq On : 13 Dec 2021 17:45
Operator : JC/MD
Sample : M4929-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
6NINF1221

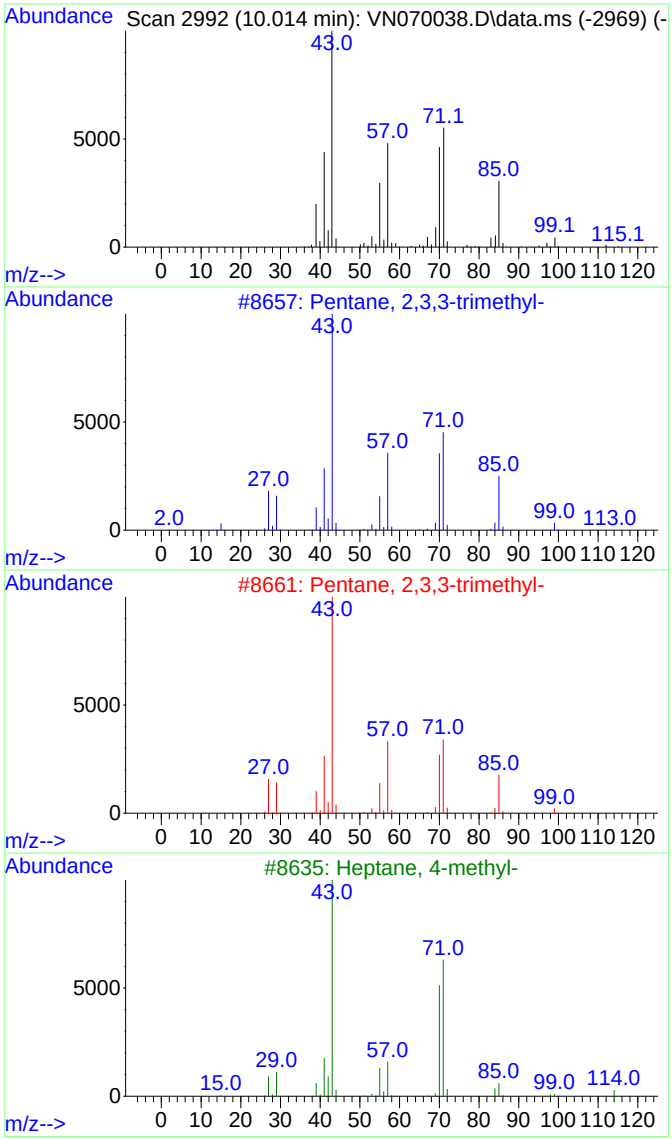
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N121321W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

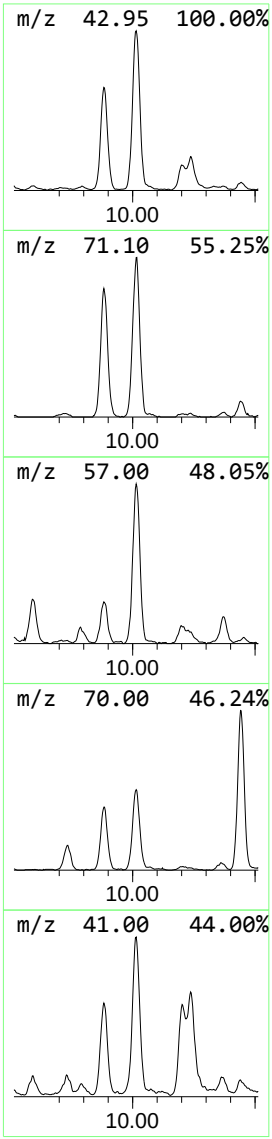
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Pentane, 2,3,3-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.014	9.93 ug/l	691753	1,4-Difluorobenzene	8.968

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	86
2	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	74
3	Heptane, 4-methyl-	114	C8H18	000589-53-7	64
4	Hexane, 3-methyl-	100	C7H16	000589-34-4	59
5	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	59





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Data File : VN070038.D
Acq On : 13 Dec 2021 17:45
Operator : JC/MD
Sample : M4929-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
6NINF1221

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N121321W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

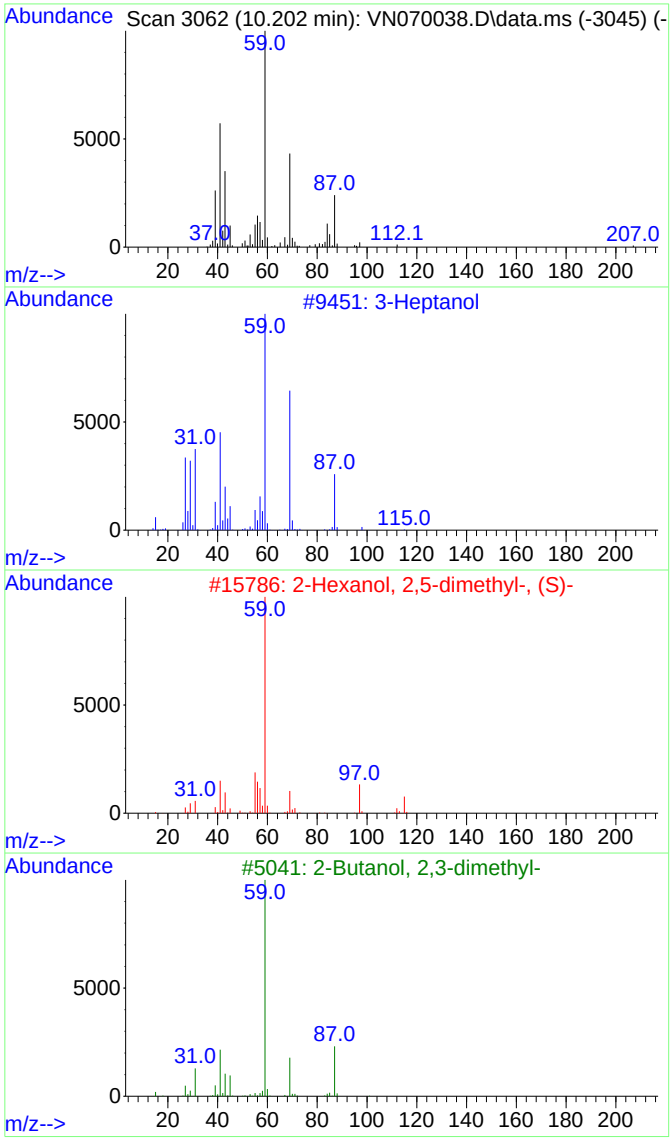
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

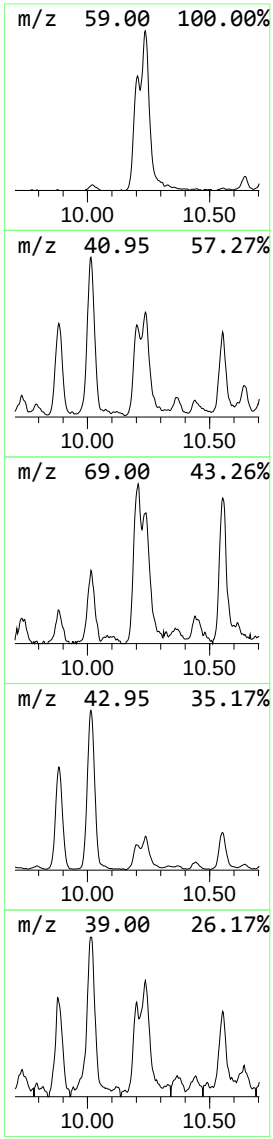
****

Peak Number 9 3-Heptanol Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.202	3.45 ug/l	240506	1,4-Difluorobenzene	8.968

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Heptanol	116	C7H16O	000589-82-2	56
2	2-Hexanol, 2,5-dimethyl-, (S)-	130	C8H18O	003730-60-7	50
3	2-Butanol, 2,3-dimethyl-	102	C6H14O	000594-60-5	50
4	2-Butanol, 2,3-dimethyl-	102	C6H14O	000594-60-5	50
5	2-Pentanol, 2,4-dimethyl-	116	C7H16O	000625-06-9	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121321\
Data File : VN070038.D
Acq On : 13 Dec 2021 17:45
Operator : JC/MD
Sample : M4929-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
6NINF1221

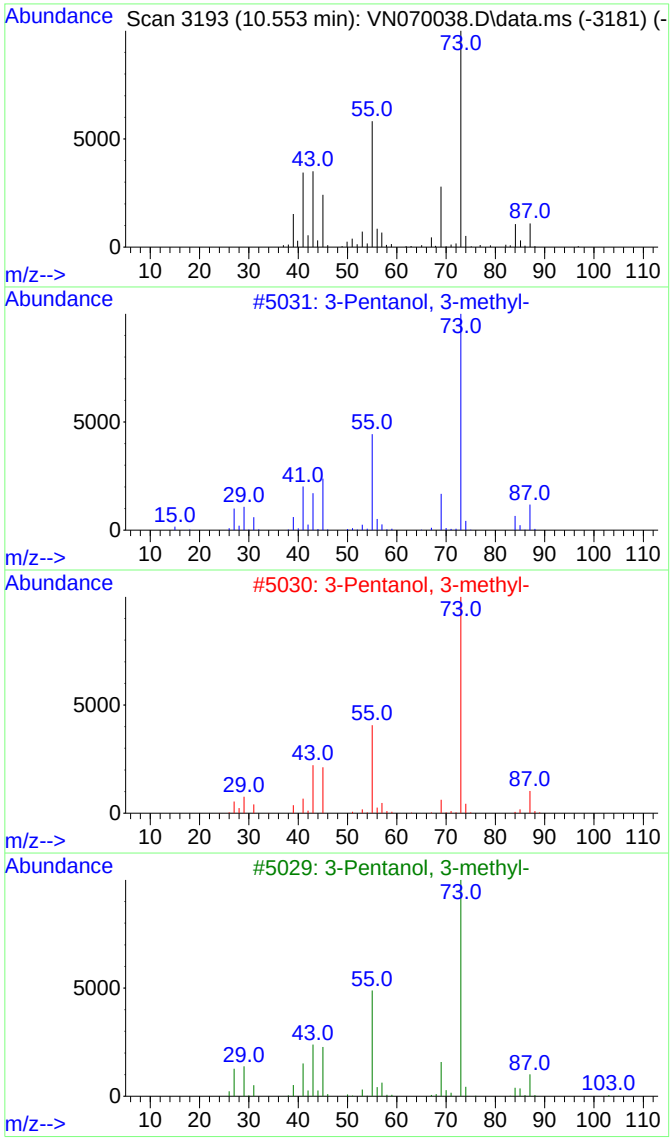
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N121321W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

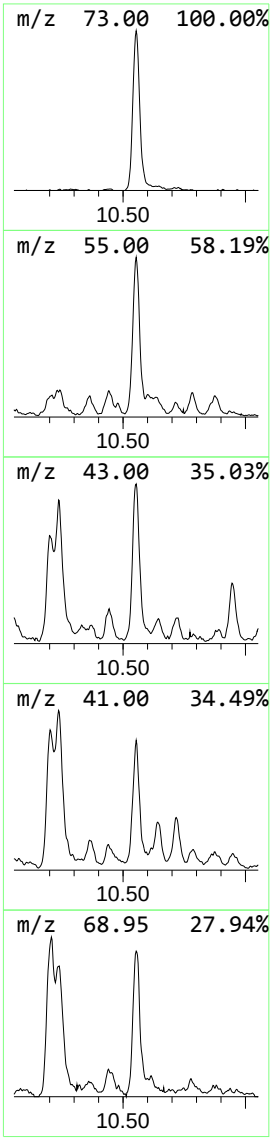
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 3-Pentanol, 3-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.553	3.53 ug/l	323190	Chlorobenzene-d5	11.747

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	72
2	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	64
3	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	64
4	4-Heptanol, 3-methyl-	130	C8H18O	001838-73-9	42
5	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121321\
Data File : VN070038.D
Acq On : 13 Dec 2021 17:45
Operator : JC/MD
Sample : M4929-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
6NINF1221

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N121321W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2,2-dim...	4.250	5.3	ug/l	254670	1	7.659	1445970	30.0
Butane, 2,3-dim...	5.077	28.6	ug/l	1377020	1	7.659	1445970	30.0
Pentane, 2,4-di...	7.048	6.4	ug/l	309225	1	7.659	1445970	30.0
Pentane, 2,3-di...	8.174	14.5	ug/l	699329	1	7.659	1445970	30.0
Amylene hydrate	8.539	8.6	ug/l	597584	2	8.968	2089260	30.0
Pentane, 2,2,4-...	8.614	9.7	ug/l	676526	2	8.968	2089260	30.0
Pentane, 3-ethyl-	9.883	5.2	ug/l	364699	2	8.968	2089260	30.0
Pentane, 2,3,3-...	10.014	9.9	ug/l	691753	2	8.968	2089260	30.0
3-Heptanol	10.202	3.5	ug/l	240506	2	8.968	2089260	30.0
3-Pentanol, 3-m...	10.553	3.5	ug/l	323190	3	11.747	2749590	30.0