LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031722\
Data File : VN071356.D
Acq On : 17 Mar 2022 17:10
Operator : JC\MD
Sample : N1826-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
6NINF0322

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\624N031722W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

Signal : TIC: VN071356.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.258	39	46	52	rVB3	53187	103517	5.43%	0.643%
2	2.434	71	76	84	rVB	55355	93514	4.91%	0.581%
3	2.522	87	91	97	rVB2	12064	21085	1.11%	0.131%
4	3.128	185	194	207	rVB2	187580	422331	22.17%	2.623%
5	4.252	373	385	402	rBV3	68893	268521	14.09%	1.667%
6	5.081	508	526	536	rBV2	193133	740656	38.87%	4.599%
7	5.193	538	545	558	rVB3	46890	152495	8.00%	0.947%
8	5.363	561	574	592	rBV2	184397	658488	34.56%	4.089%
9	5.610	602	616	634	rBV2	224734	790858	41.51%	4.911%
10	6.493	756	766	778	rBV3	24433	71939	3.78%	0.447%
11	7.046	849	860	870	rBV3	59299	189344	9.94%	1.176%
12	7.146	872	877	888	rVB3	20505	55228	2.90%	0.343%
13	7.328	906	908	918	rVB3	13705	28192	1.48%	0.175%
14	7.657	953	964	981	rBV	293869	783575	41.13%	4.866%
15	7.840	988	995	996	rBV4	14965	25014	1.31%	0.155%
16	8.092	1029	1038	1044	rBV3	26281	67223	3.53%	0.417%
17	8.175	1044	1052	1062	rVB	160132	393802	20.67%	2.445%
18	8.357	1075	1083	1088	rBV5	13331	27530	1.44%	0.171%
19	8.451	1088	1099	1107	rVV4	477250	1449822	76.10%	9.003%
20	8.528	1107	1112	1119	rVV3	125514	310721	16.31%	1.930%
21	8.616	1119	1127	1137	rVV	178609	526654	27.64%	3.270%
22	8.704	1137	1142	1157	rVB4	42439	134554	7.06%	0.836%
23	8.963	1177	1186	1199	rBV	681411	1405742	73.78%	8.729%
24	9.422	1257	1264	1267	rBV5	33060	69829	3.67%	0.434%
25	9.592	1286	1293	1300	rVB3	14280	27420	1.44%	0.170%
26	9.728	1307	1316	1322	rBV3	24043	54598	2.87%	0.339%
27	9.881	1333	1342	1352	rBV2	100240	196977	10.34%	1.223%
28	10.010	1352	1364	1371	rBV	169609	369977	19.42%	2.297%
29	10.198	1388	1396	1399	rBV2	69977	148461	7.79%	0.922%
30	10.228	1399	1401	1411	rVB2	78021	136455	7.16%	0.847%
31	10.363	1418	1424	1429	rVB3	13114	24144	1.27%	0.150%
32	10.439	1429	1437	1446	rVV	1028109	1905244	100.00%	11.831%
33	10.545	1450	1455	1462	rVV	85836	172281	9.04%	1.070%
34	10.639	1466	1471	1478	rVV5	26003	53069	2.79%	0.330%
35	10.716	1478	1484	1489	rVV2	25258	45413	2.38%	0.282%
36	10.781	1489	1495	1500	rVV6	12260	24690	1.30%	0.153%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031722\
Data File : VN071356.D
Acq On : 17 Mar 2022 17:10
Operator : JC\MD
Sample : N1826-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
6NINF0322

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\624N031722W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

37	10.869	1503	1510	1517	rVV8	14267	39215	2.06%	0.244%
38	10.939	1517	1522	1532	rVB4	9163	23240	1.22%	0.144%
39	11.086	1537	1547	1550	rBV2	23408	48776	2.56%	0.303%
40	11.128	1550	1554	1561	rVV	45428	81168	4.26%	0.504%
41	11.216	1563	1569	1573	rVV5	12560	27376	1.44%	0.170%
42	11.622	1628	1638	1649	rVB3	39942	110096	5.78%	0.684%
43	11.739	1649	1658	1669	rBV	931218	1710751	89.79%	10.623%
44	11.845	1669	1676	1687	rVB6	38367	111028	5.83%	0.689%
45	11.957	1687	1695	1698	rBV7	16668	35681	1.87%	0.222%
46	12.357	1757	1763	1767	rBV3	15308	26967	1.42%	0.167%
47	12.533	1786	1793	1796	rBV8	9442	19082	1.00%	0.118%
48	12.575	1796	1800	1805	rVB2	19031	30751	1.61%	0.191%
49	12.633	1805	1810	1818	rBV7	7161	19736	1.04%	0.123%
50	12.727	1818	1826	1836	rBV	572484	1000610	52.52%	6.214%
51	12.839	1840	1845	1851	rBV4	20810	43975	2.31%	0.273%
52	13.051	1877	1881	1888	rVB6	10597	21199	1.11%	0.132%
53	13.492	1948	1956	1961	rVB6	12973	33665	1.77%	0.209%
54	13.698	1982	1991	1998	rBV9	19395	48258	2.53%	0.300%
55	13.763	1998	2002	2009	rVV4	16960	31501	1.65%	0.196%
56	13.833	2009	2014	2017	rVV2	38011	63781	3.35%	0.396%
57	13.874	2017	2021	2036	rVB	65373	120918	6.35%	0.751%
58	13.998	2036	2042	2047	rBV3	17325	27198	1.43%	0.169%
59	14.069	2047	2054	2060	rVB4	11413	22253	1.17%	0.138%
60	14.145	2060	2067	2074	rBV2	57372	102180	5.36%	0.635%
61	14.327	2085	2098	2103	rBV	117009	213689	11.22%	1.327%
62	14.398	2103	2110	2116	rVV7	20328	44848	2.35%	0.278%
63	14.457	2116	2120	2126	rVV2	18994	34056	1.79%	0.211%
64	14.533	2126	2133	2139	rVB5	21807	37685	1.98%	0.234%
65	14.810	2175	2180	2187	rVB5	12512	24546	1.29%	0.152%

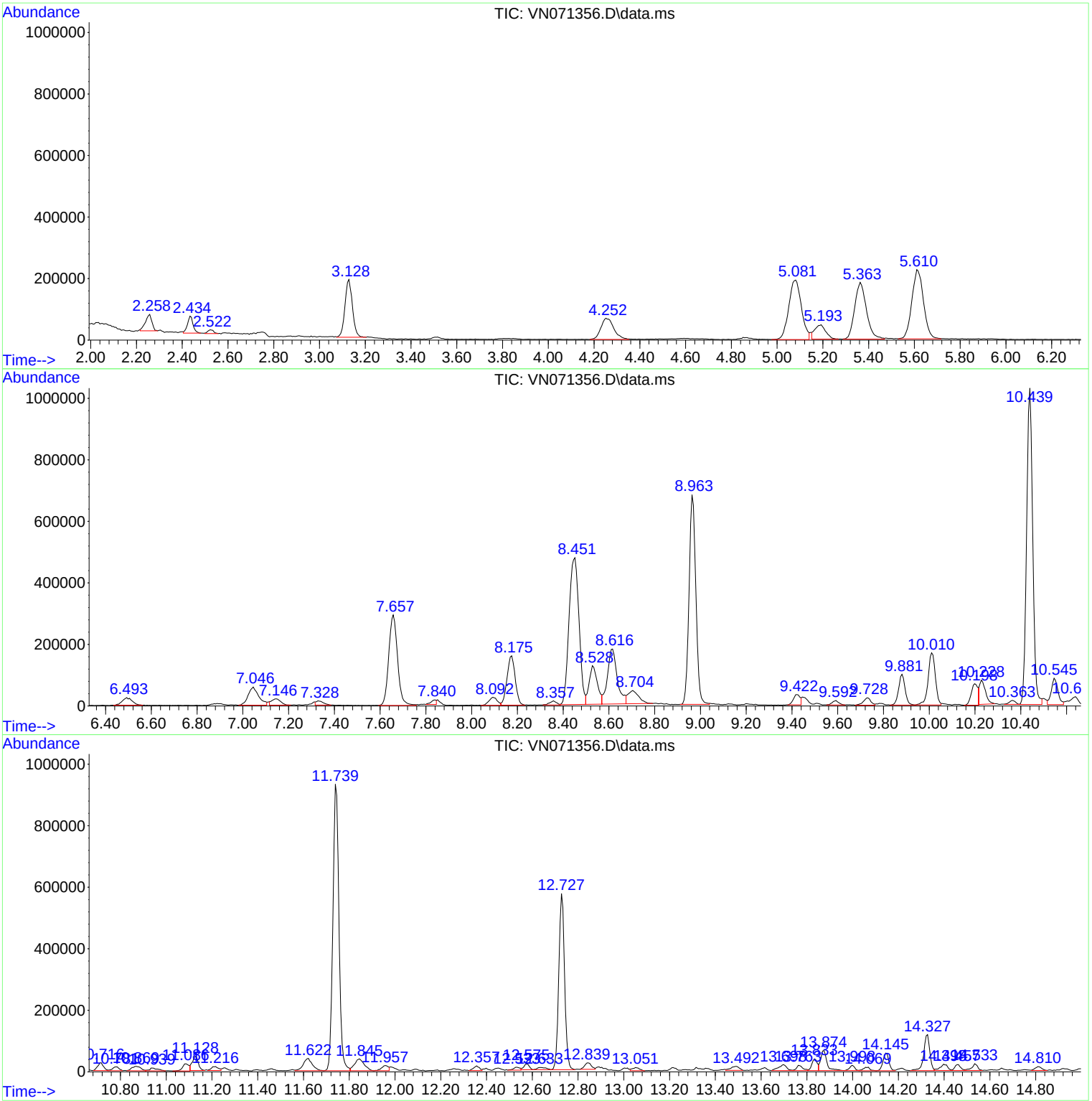
Sum of corrected areas: 16103592

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031722\
Data File : VN071356.D
Acq On : 17 Mar 2022 17:10
Operator : JC\MD
Sample : N1826-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
6NINF0322

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N031722W.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\VN031722\
Data File : VN071356.D
Acq On : 17 Mar 2022 17:10
Operator : JC\MD
Sample : N1826-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
6NINF0322

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N031722W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

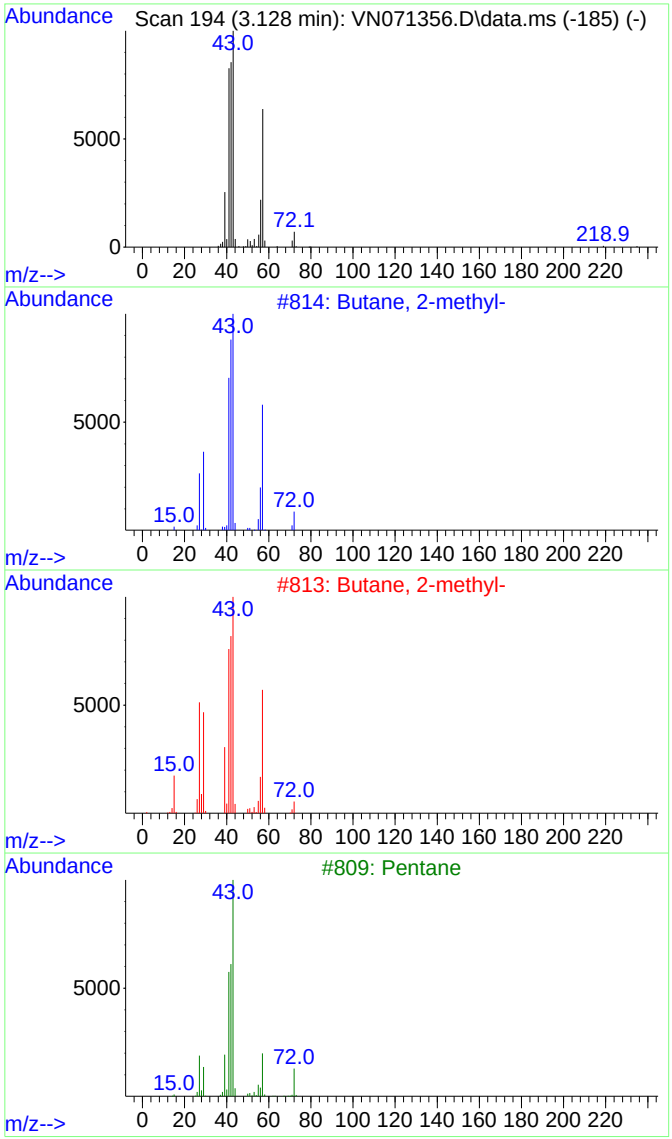
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

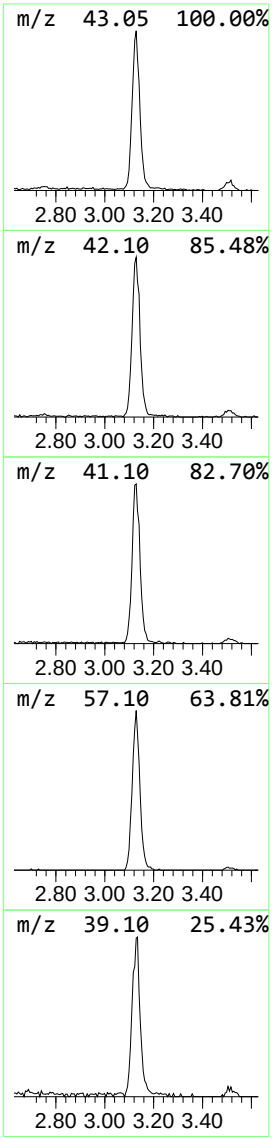
****

Peak Number 1 Butane, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.128	16.17 ug/l	422331	Bromochloromethane	7.657

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	91
2	Butane, 2-methyl-	72	C5H12	000078-78-4	80
3	Pentane	72	C5H12	000109-66-0	50
4	3-Buten-1-ol	72	C4H8O	000627-27-0	47
5	1-Butanol, 3,3-dimethyl-	102	C6H14O	000624-95-3	12





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031722\
Data File : VN071356.D
Acq On : 17 Mar 2022 17:10
Operator : JC\MD
Sample : N1826-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
6NINF0322

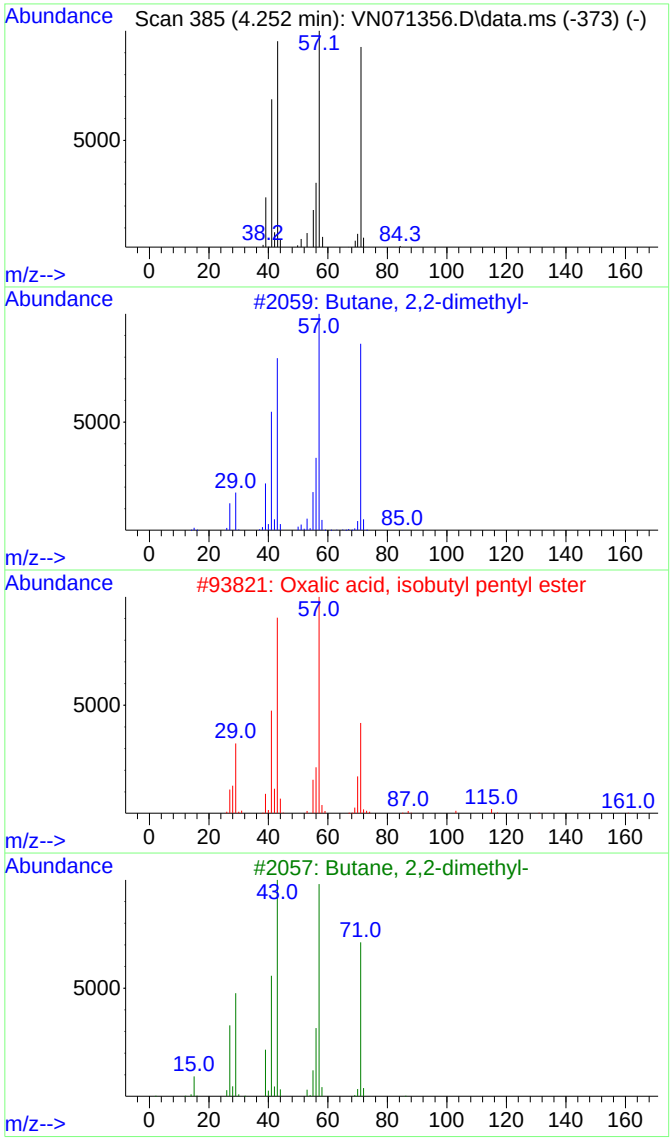
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N031722W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

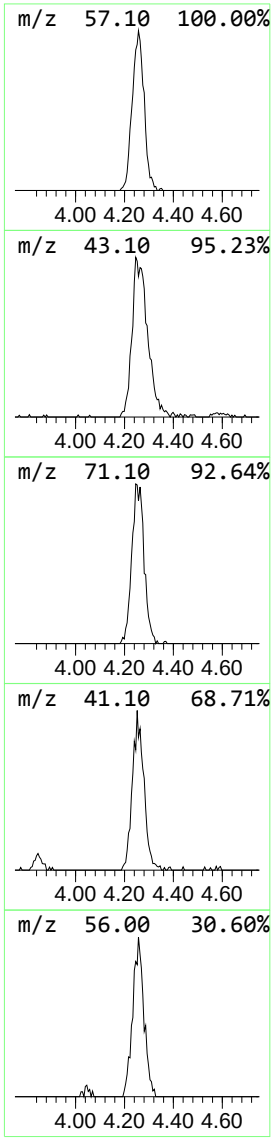
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Butane, 2,2-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.252	10.28 ug/l	268521	Bromochloromethane	7.657

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	90
2	Oxalic acid, isobutyl pentyl ester	216	C11H20O4	1000309-37-0	83
3	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	78
4	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	78
5	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	78





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031722\
Data File : VN071356.D
Acq On : 17 Mar 2022 17:10
Operator : JC\MD
Sample : N1826-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
6NINF0322

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N031722W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

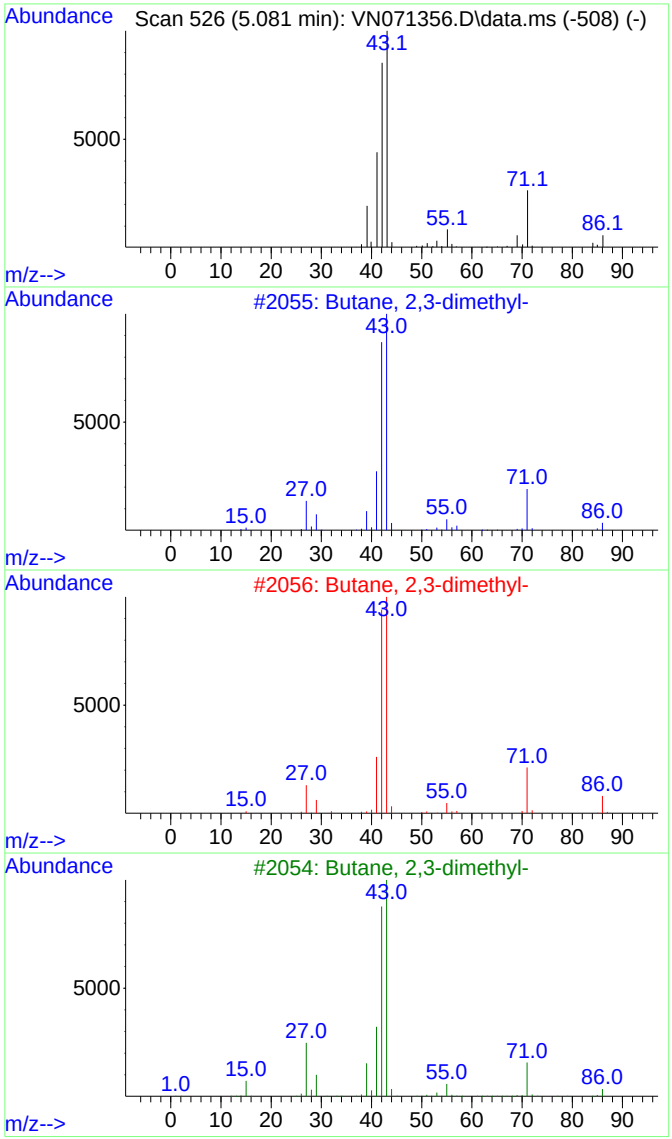
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

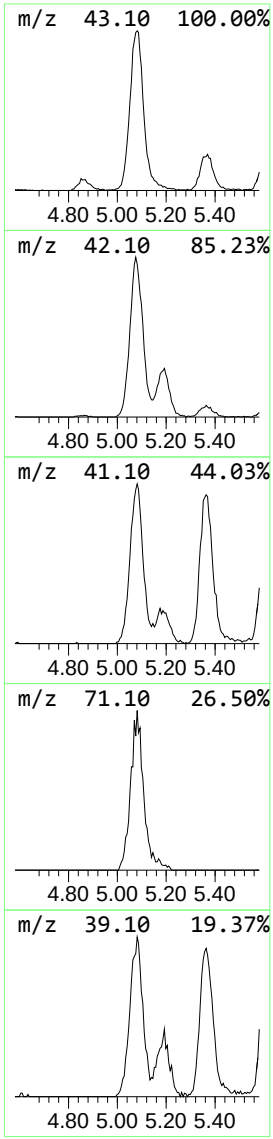
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.081	28.36 ug/l	740656	Bromochloromethane	7.657

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	80
4	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	80
5	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031722\
Data File : VN071356.D
Acq On : 17 Mar 2022 17:10
Operator : JC\MD
Sample : N1826-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
6NINF0322

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N031722W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

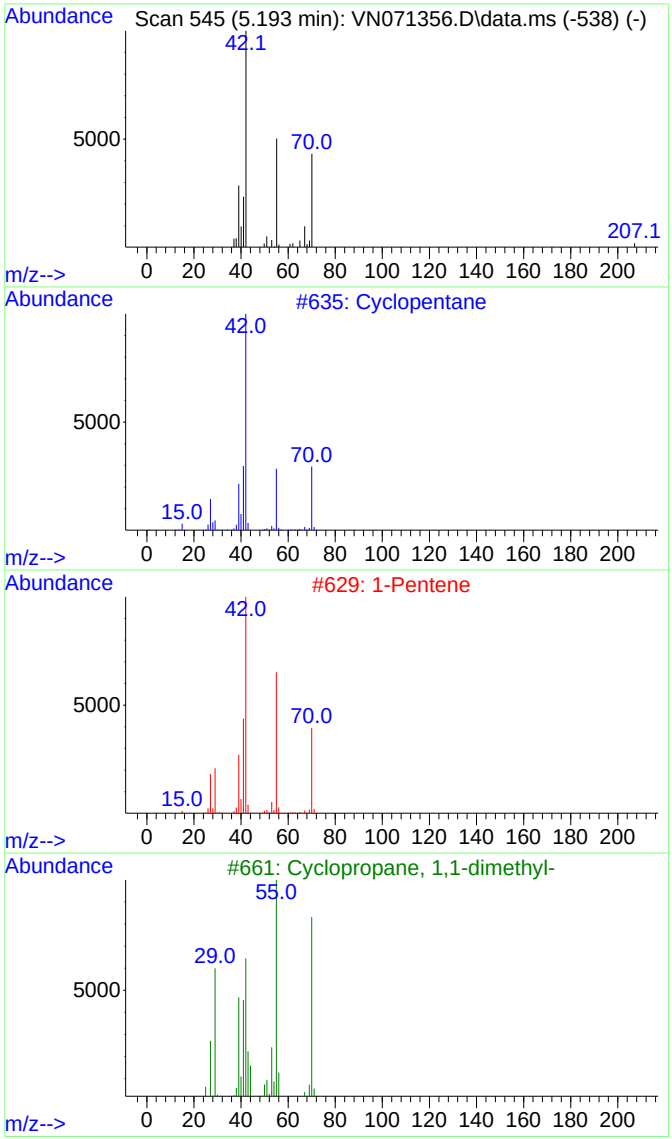
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

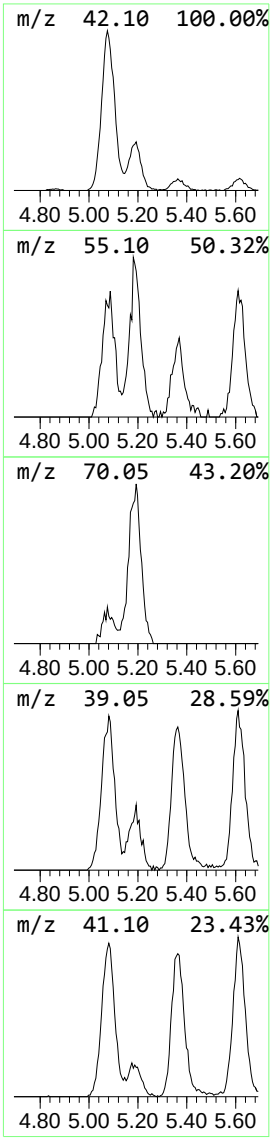
****

Peak Number 4 Cyclopentane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.193	5.84 ug/l	152495	Bromochloromethane	7.657

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane	70	C5H10	000287-92-3	80
2	1-Pentene	70	C5H10	000109-67-1	40
3	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	32
4	1-Pentene	70	C5H10	000109-67-1	28
5	Isobutyronitrile	69	C4H7N	000078-82-0	28





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031722\
Data File : VN071356.D
Acq On : 17 Mar 2022 17:10
Operator : JC\MD
Sample : N1826-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
6NINF0322

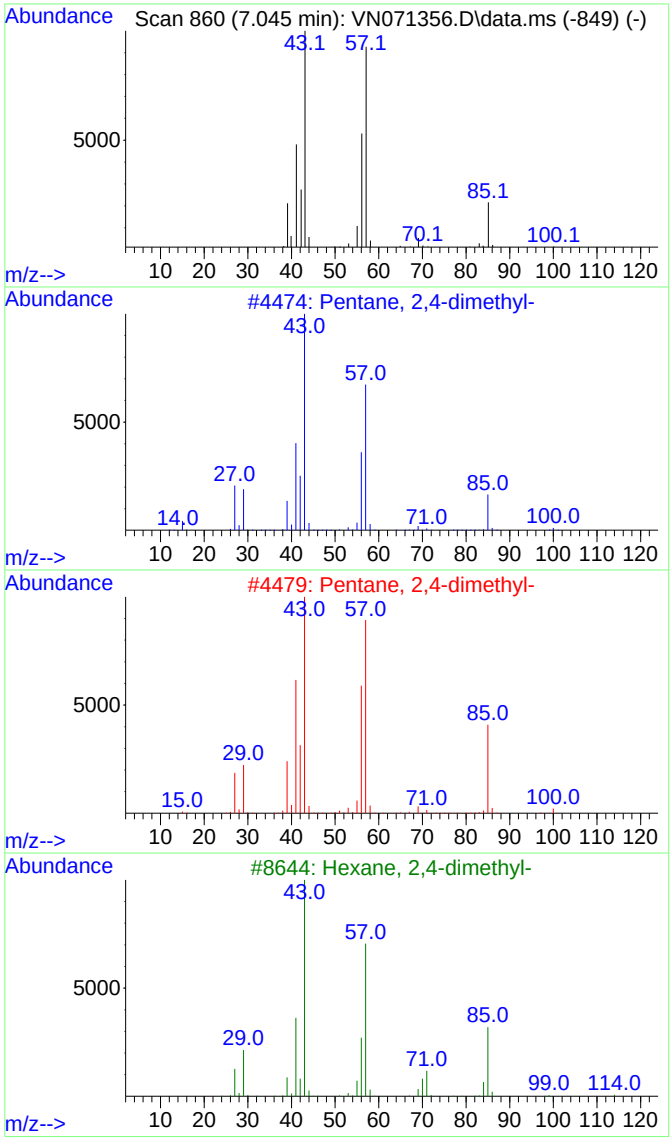
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N031722W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

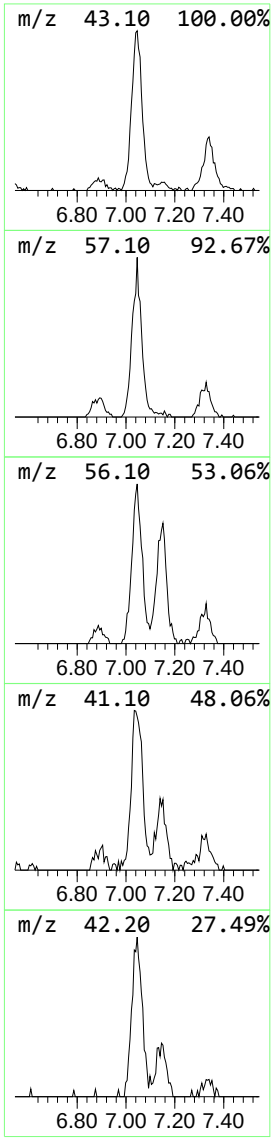
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Pentane, 2,4-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.045	7.25 ug/l	189344	Bromochloromethane	7.657

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	74
3	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	72
4	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	72
5	Heptane, 3-methyl-	114	C8H18	000589-81-1	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031722\
Data File : VN071356.D
Acq On : 17 Mar 2022 17:10
Operator : JC\MD
Sample : N1826-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
6NINF0322

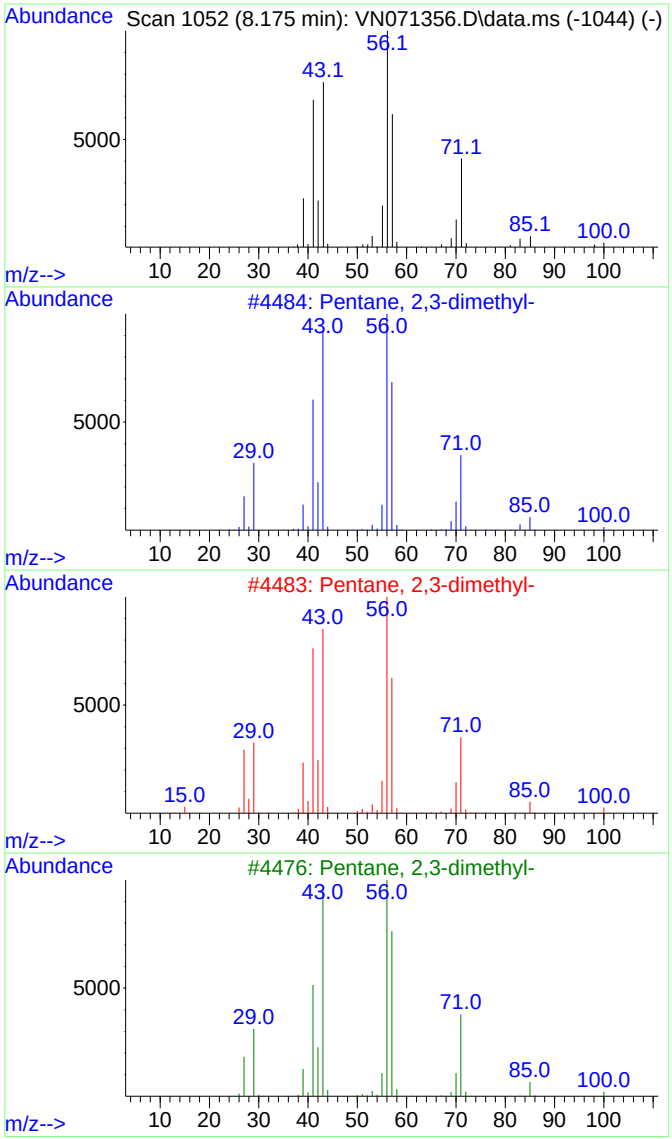
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N031722W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

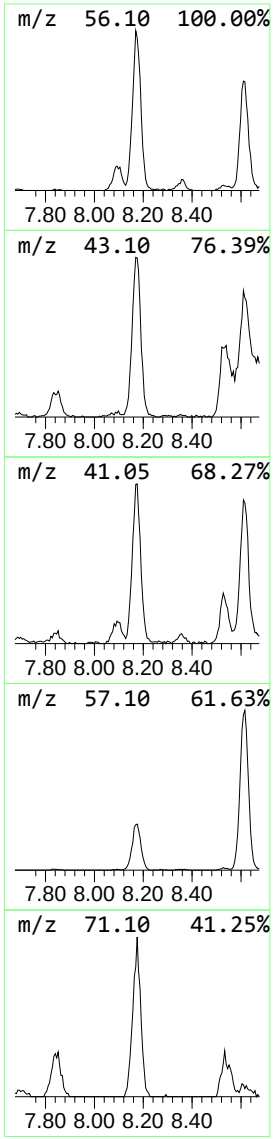
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.175	15.08 ug/l	393802	Bromochloromethane	7.657

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	94
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	94
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	83
5	Pentane, 1-bromo-3,4-dimethyl-	178	C7H15Br	006570-92-9	45





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031722\
Data File : VN071356.D
Acq On : 17 Mar 2022 17:10
Operator : JC\MD
Sample : N1826-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
6NINF0322

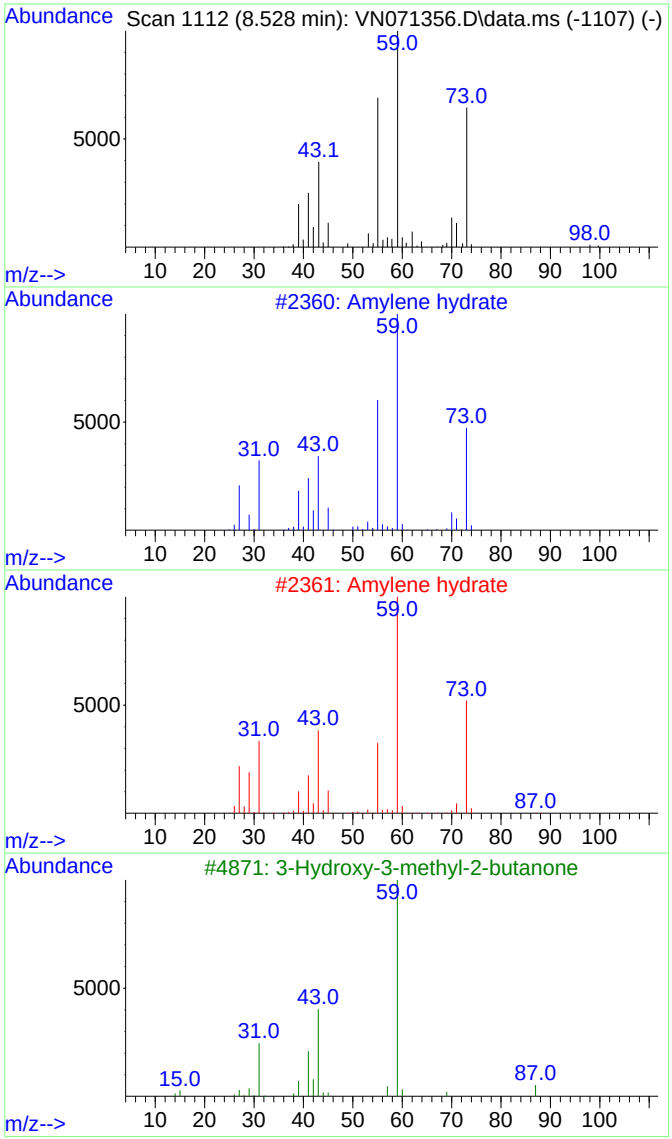
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N031722W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

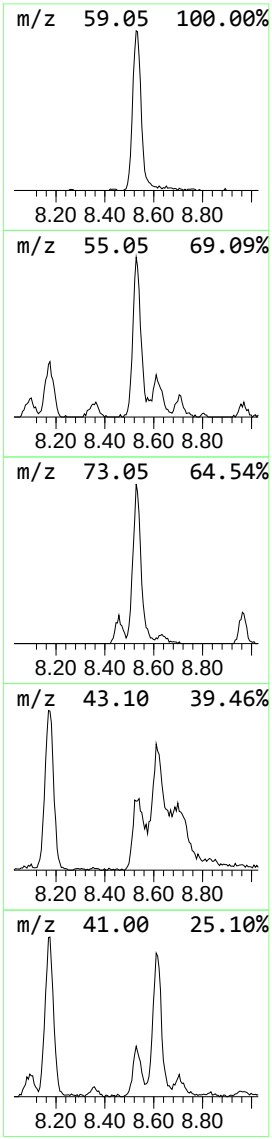
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Amylene hydrate Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.528	6.63 ug/l	310721	1,4-Difluorobenzene	8.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Amylene hydrate	88	C5H12O	000075-85-4	83
2	Amylene hydrate	88	C5H12O	000075-85-4	50
3	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	47
4	3-Pentanol, 2-methyl-	102	C6H14O	000565-67-3	45
5	Amylene hydrate	88	C5H12O	000075-85-4	40





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031722\
Data File : VN071356.D
Acq On : 17 Mar 2022 17:10
Operator : JC\MD
Sample : N1826-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
6NINF0322

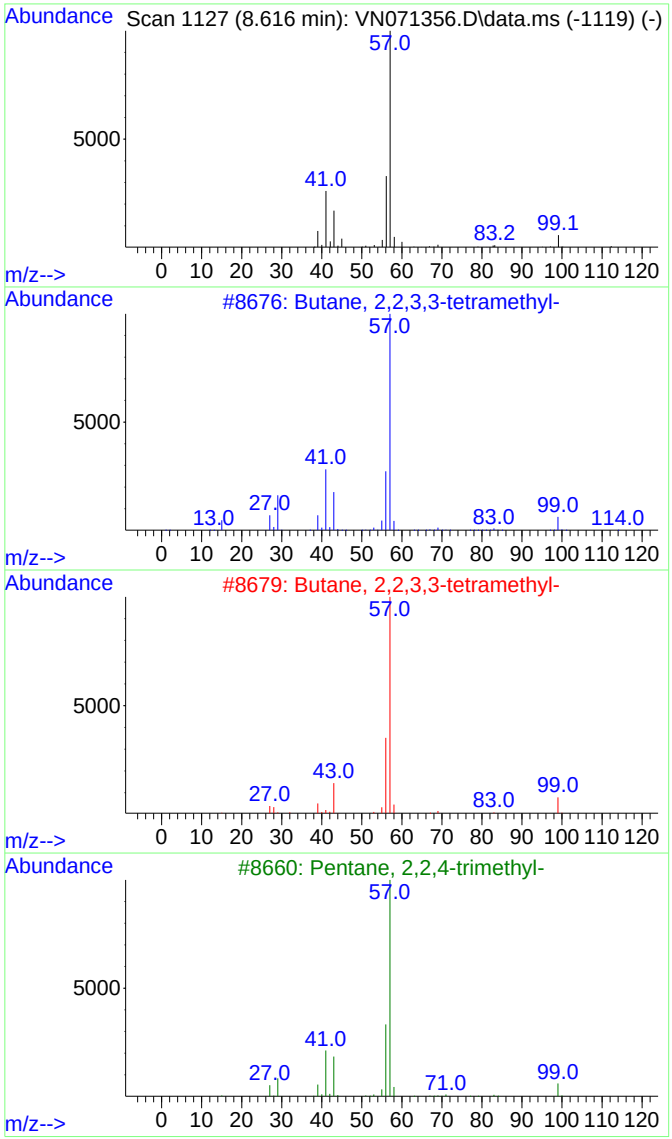
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N031722W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

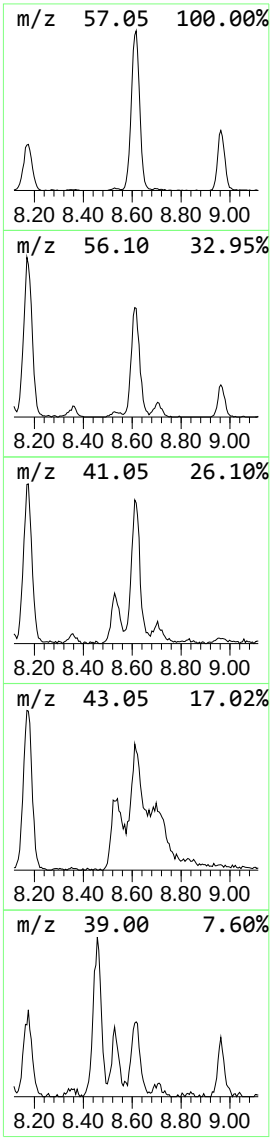
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Butane, 2,2,3,3-tetramethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.616	11.24 ug/l	526654	1,4-Difluorobenzene	8.963

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031722\
Data File : VN071356.D
Acq On : 17 Mar 2022 17:10
Operator : JC\MD
Sample : N1826-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
6NINF0322

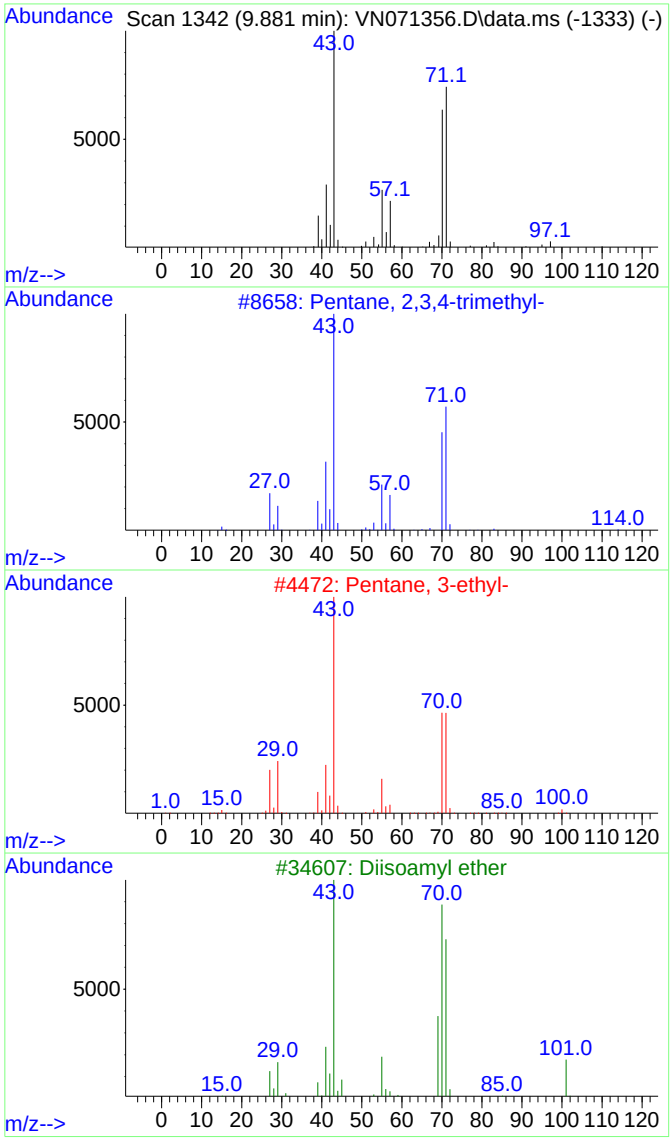
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N031722W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

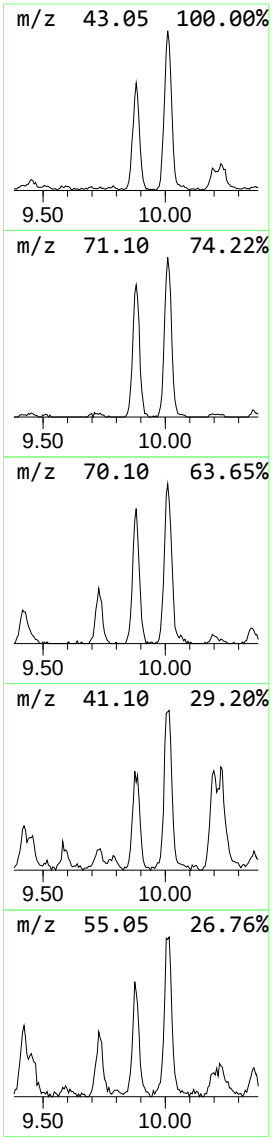
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Pentane, 2,3,4-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.881	4.20 ug/l	196977	1,4-Difluorobenzene	8.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	90
2	Pentane, 3-ethyl-	100	C7H16	000617-78-7	83
3	Diisoamyl ether	158	C10H22O	000544-01-4	78
4	Pentane, 3-ethyl-	100	C7H16	000617-78-7	74
5	Heptane, 4-methyl-	114	C8H18	000589-53-7	74





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031722\
Data File : VN071356.D
Acq On : 17 Mar 2022 17:10
Operator : JC\MD
Sample : N1826-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
6NINF0322

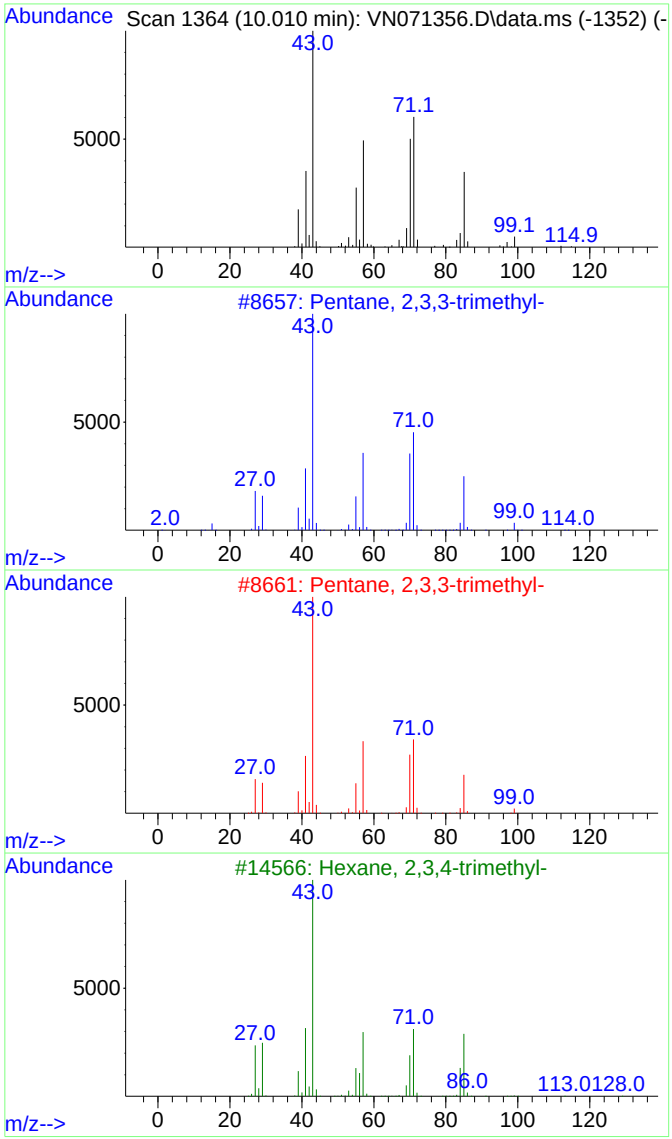
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N031722W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

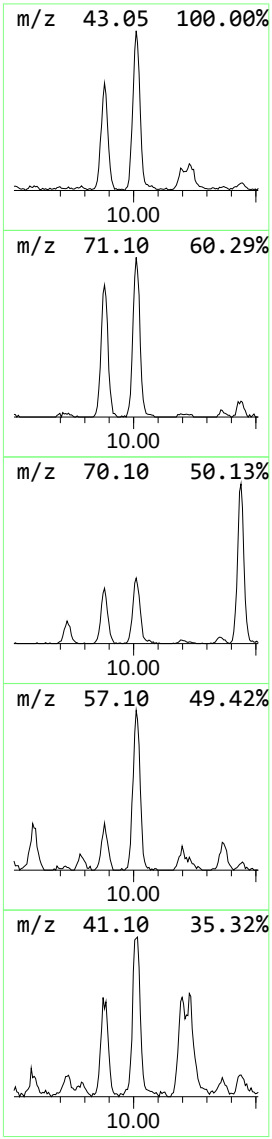
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Pentane, 2,3,3-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.010	7.90 ug/l	369977	1,4-Difluorobenzene	8.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	83
2	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	83
3	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	59
4	Propanoic acid, 2-methyl-, 2-eth...	200	C12H24O2	035061-61-1	59
5	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	59





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031722\
Data File : VN071356.D
Acq On : 17 Mar 2022 17:10
Operator : JC\MD
Sample : N1826-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
6NINF0322

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N031722W.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-methyl-	3.128	16.2	ug/l	422331	1	7.657	783575	30.0
Butane, 2,2-dim...	4.252	10.3	ug/l	268521	1	7.657	783575	30.0
Butane, 2,3-dim...	5.081	28.4	ug/l	740656	1	7.657	783575	30.0
Cyclopentane	5.193	5.8	ug/l	152495	1	7.657	783575	30.0
Pentane, 2,4-di...	7.045	7.3	ug/l	189344	1	7.657	783575	30.0
Pentane, 2,3-di...	8.175	15.1	ug/l	393802	1	7.657	783575	30.0
Amylene hydrate	8.528	6.6	ug/l	310721	2	8.963	1405740	30.0
Butane, 2,2,3,3...	8.616	11.2	ug/l	526654	2	8.963	1405740	30.0
Pentane, 2,3,4-...	9.881	4.2	ug/l	196977	2	8.963	1405740	30.0
Pentane, 2,3,3-...	10.010	7.9	ug/l	369977	2	8.963	1405740	30.0